



City of Fort Worth, Texas

FY2019-2023

ADOPTED 5 YEAR CAPITAL IMPROVEMENT PLAN

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City of Fort Worth

FY 2018

Bond Program

2018 Bond Program

Overview of the 2018 Bond Program

Introduction

On May 5, 2018 the voters were asked to consider the dollar amounts and proposition categories listed below for the 2018 Bond Program. City staff prepared the bond book that describes the proposed work plan for implementing each proposition approved by the voters, which includes additional detail on specific planned projects and their projected costs. The voter approved use of general obligation public securities for the proposition categories listed will be secured by property taxes levied and collected by the City. The City anticipates the current interest and sinking (I & S) tax rate of \$0.1550 per \$100 net taxable valuation to be sufficient in paying the debt service.

Fort Worth Proposition	Approved Amount
• A: Streets and Mobility Infrastructure Improvements	261,630,080
• B: Parks and Recreation Improvements	84,180,600
• C: Public Library Improvements	9,868,500
• D: Fire Safety Improvements	11,975,820
• E: Animal Care and Shelter Facility Improvements	13,770,000
• F: Police Facility Improvements	18,075,000
Total	\$399,500,000

Proposition A: Streets and Mobility Infrastructure Improvements

Fort Worth Proposition A will finance improvements to the City's transportation network. These network improvements will include the construction, reconstruction, and rehabilitation of streets and drainage improvements, median improvements, intersections, bicycle ways, bridges, park roads and parking lots, streetscapes, pedestrian ways, signals, sidewalks, street lighting, signage, other traffic and signal controls; and purchase and/or improvement of land, as necessary, to support these improvements.

Proposition B: Parks and Recreation Improvements

Fort Worth Proposition B will finance parks, recreation, and community center related improvements to enhance the number, quality, and accessibility of park land and facilities and to address growth in developing/redevelopment areas. These improvements include the renovation and/or construction of athletic fields and supporting infrastructure; replacement and/or expansion of existing community centers and/or construction of new community center facilities; enhancements to community parks; development of neighborhood parks; renovation of existing parks and recreation facilities; extension of roadways, parking, and/or drainage facility improvements at or integrated into parks; replacement or new installation of playgrounds; expansion of the City's walks and trail systems; design and construction of service facilities to support park maintenance operations; and the purchase and/or improvement of land, as necessary, to support these improvements.

2018 Bond Program

Proposition C: Public Library Improvements

Fort Worth Proposition C will finance the construction of a new library. The improvements would include the construction and equipping, including opening day book collection of the new library, and the purchase and/or improvement of land, as necessary, to support these improvements.

Proposition D: Fire Safety Improvements

Fort Worth Proposition D will finance fire safety related improvements. The improvements would include the design, construction and equipping of new stations, and the purchase and/or improvement of land, as necessary, to support these improvements.

Proposition E: Animal Care and Shelter Facility Improvements

Fort Worth Proposition E will finance the construction of an animal care and shelter facility and related improvements. The improvements would include the construction and equipping of the new facility and the purchase and/or improvement of land, as necessary, to support these improvements.

Proposition F: Police Facility Improvements

Fort Worth Proposition F will finance the construction of a police station and related improvements. The improvements would include the construction and equipping of the new facility and the purchase and/or improvement of land, as necessary, to support these improvements.

Appropriation

Proceeds from the voter approved bond program were appropriated in FY 2018 totaling \$269,171,000 and the 5 year CIP outlines the use of \$123,535,000. The remaining amounts not listed are for issuance fees, plan adjustments, and public art, which is calculated as a percentage of the approved amount (1 percent for proposition A and 2 percent for the remaining propositions).

Fort Worth Proposition	Approved Amount	2018 Appropriation	5 Year CIP
• A: Streets and Mobility Infrastructure Improvements	261,630,080	157,015,000	100,525,000
• B: Parks and Recreation Improvements	84,180,600	59,520,000	23,010,000
• C: Public Library Improvements	9,868,500	9,675,000	
• D: Fire Safety Improvements	11,975,820	11,741,000	
• E: Animal Care and Shelter Facility Improvements	13,770,000	13,500,000	
• F: Police Facility Improvements	18,075,000	17,720,000	
Total	\$399,500,000	\$269,171,000	\$123,535,000

City of Fort Worth

FY 2019 – 2023

5 Year Capital Improvement Plan

5 Year Capital Improvement Plan

Overview of the 7 Capital Improvement Plans

Introduction

Capital facilities and adequate infrastructure are critical for the City's continued growth. The City of Fort Worth (CFW) Capital Improvement Plan (CIP) describes the capital projects and the associated funding sources the City intends to undertake in the current fiscal year, plus four successive fiscal years, including the acquisition or construction of capital facilities and assets, and the maintenance of those facilities and assets.

A capital asset may be land, improvements to land, easements, buildings, building improvements, vehicles, machinery, equipment, works of art and historical treasures, infrastructure, and all other tangible or intangible assets that are used in operations and that have initial useful lives extending beyond a single reporting period.

The FY 2019-2023 CFW CIP includes a total of over \$1.7 Billion in planned capital expenditures during the five-year period. Planned capital expenditures are presented in CIPs that include the General CIP, Aviation CIP, Municipal Parking CIP, Public Events CIP, Solid Waste CIP, Stormwater CIP, and Water CIP. Each CIP is a set of capital expenditures for the City. Capital expenditures are defined as expenditures resulting in the acquisition of, or addition to, the government's capital assets.

Aviation CIP

The Aviation FY 2019-2023 CIP contains approximately \$117M in planned capital expenditures. Highlights of this CIP include the extension and connection of taxiways to Runway 16R/34L at Alliance Airport; the design and construction of the midfield redevelopment corridor at Meacham Airport and the construction of various taxiways improvements at Spinks Airport. The primary source of funding for capital improvements comes in the form of grants from the Federal Aviation Administration (approximately \$79M). Other funding sources include land credits, gas well revenues, and pay as you go (cash) funding. The FY 2019-2023 CIP positions the Aviation Department for future growth and enables responsible maintenance of critical infrastructure at the three airports.

Public Events CIP

The Public Events FY 2019-2023 CIP contains approximately \$28.5M in planned capital expenditures. Highlights of this CIP include multi-year contributions to the Dickies Arena, multi-year projects to allow for replacement of the roofs at the Convention Center and Will Rogers Memorial Center (WRMC); as well as, sound system upgrades at WRMC. The primary sources of funding for capital improvements comes in the form of the 2% Hotel Occupancy Tax, DFW Rental Car Tax, and the Culture and Tourism Operating Fund. The FY 2019-2023 CIP ensures the Public Events Department can continue to serve as a major contributor to the City's robust tourism industry and enables responsible maintenance and enhancements of the City's tourism related assets.

General CIP

The General FY 2019-2023 CIP contains approximately \$491.8M in planned capital expenditures. This plan reflects a sustained commitment to the upkeep of City Facilities, infrastructure, technological improvements, vehicles and equipment replacement. Additionally the plan enables the city's commitment to lasting improvements in the community with parks, community centers, and public safety.

5 Year Capital Improvement Plan

Municipal Parking CIP

The Municipal Parking FY 2019-2023 CIP contains \$211k in planned capital expenditures. Highlights of this CIP include new equipment outlay purchases such as parking meters, security systems and surface lot improvements parking lots to make the parking lots and garages safer and a provide more user friendly experience.

Solid Waste CIP

The Solid Waste's FY 2019-2023 CIP contains over \$30.6M in planned capital and defined pilot program expenditures over the next five years. Highlights of this CIP include a multi-year funding commitment to implement the City's 2017-2037 Comprehensive Solid Waste Management Plan; engagement of industrial, commercial and institutional organizations in waste minimization and diversion practices through the Material Management Program; evaluation and implementation of necessary programs to preserve the long-term disposal capacity in the City's Southeast Landfill; and improvement of Residential Services with enhanced contracts and programs. The FY 2019-2023 Solid Waste CIP ensures community safety and environmental improvements beyond the five-year period.

Stormwater CIP

The Stormwater FY 2019-2023 CIP contains over \$73.1M in planned capital expenditures. Fort Worth's Stormwater Management Program is a very capital-intensive enterprise, which requires continuous investment in extensive above- and below-ground infrastructure. Continued investment in the drainage system is a prerequisite for the health and safety of the community it serves as well as economic growth and prosperity in the future. The planned capital improvements to mitigate flood risk, ensure system reliability by replacing aging infrastructure and facilities, support the City's bond programs for street rehabilitation, meet corporate priorities, and facilitate economic revitalization in areas where development is hampered by chronic flooding.

Water CIP

The Water FY 2019-2023 CIP contains approximately \$1 billion in planned capital expenditures. The Plan furthers Water's mission to enable the community to thrive with clean water done right every time. The Plan includes strategies to address system growth, rehabilitation, corporate priorities, legislative and regulatory mandates and operational enhancements. Funding is primarily achieved through the sale of revenue bonds and pay-as you-go funding, but also leverages gas lease revenues, impact fee revenues and State funds. In FY2019, the Plan includes funding to construct a new biosolids processing facility at the Village Creek Water Reclamation Facility to produce a more marketable product, as well as funding for projects that address aging infrastructure and growth.

5 Year Capital Improvement Plan -- Summary of Plans

High Level Summary of the 5 Year Capital Improvement Plans

CIP Plans	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Aviation	28,918,111	28,948,886	20,319,155	22,960,305	15,805,439	116,951,896
Public Events	7,553,273	8,480,000	6,930,000	3,230,000	2,330,000	28,523,273
General	116,623,531	107,182,694	105,939,203	89,761,127	72,280,435	491,786,990
Municipal Parking	71,000	35,000	35,000	35,000	35,000	211,000
Solid Waste	1,280,000	2,880,000	2,220,000	2,020,000	22,215,000	30,615,000
Stormwater	22,143,555	12,094,000	12,518,000	12,964,000	13,388,000	73,107,555
Water	294,630,772	164,995,668	166,617,631	162,687,933	213,166,429	1,002,098,433
Total Plans	\$471,220,242	\$324,616,248	\$314,578,989	\$293,658,365	\$339,220,303	\$1,743,294,147

Funding Origin	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Total Funding Sources	\$471,220,242	\$324,616,248	\$314,578,989	\$293,658,365	\$339,220,303	\$1,743,294,147

Summary

As noted in the preceding paragraphs, the CFW has a robust, funded, and future-focused CIP. This document reflects a months-long, city-wide, dedicated, effort in the planning and production of the FY 2019-2023 CIP. The following pages provide enhanced detail and full transparency on all the elements of the CFW CIP.

5 Year Capital Improvement Plan

All Plans Chapters

Plan	Chapter	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Aviation	Alliance Airport	22,083,111	19,084,986	19,264,155	15,798,305	14,305,439	90,535,996
	Meacham Airport	6,490,000	9,838,900	860,000	7,162,000	1,500,000	25,850,900
	Spinks Airport	345,000	25,000	195,000	-	-	565,000
	Total	\$ 28,918,111	\$ 28,948,886	\$ 20,319,155	\$ 22,960,305	\$ 15,805,439	\$116,951,896
Public Events	Convention Ctr	280,000	5,330,000	2,130,000	30,000	530,000	8,300,000
	Cowtown Col	350,000	-	-	-	-	350,000
	New Arena	3,000,000	1,800,000	1,800,000	1,800,000	1,800,000	10,200,000
	Will Rogers Memorial Col	3,923,273	1,350,000	3,000,000	1,400,000	-	9,673,273
	Total	\$ 7,553,273	\$ 8,480,000	\$ 6,930,000	\$ 3,230,000	\$ 2,330,000	\$ 28,523,273
General	Capital Outlay	17,453,287	16,389,751	17,430,879	16,767,494	16,902,374	84,943,785
	City Facilities	3,660,000	3,805,000	3,956,000	4,112,000	4,275,000	19,808,000
	Future Capital Imp Prj	610,000	750,000	750,000	750,000	750,000	3,610,000
	Golf Course	135,000	40,000	105,000	225,000	400,000	905,000
	Information Technology	8,045,010	10,233,403	8,880,650	8,329,650	7,124,311	42,613,024
	Parks & Recreation	19,116,034	11,158,854	7,439,988	4,351,983	5,156,750	47,223,609
	Transportation	61,334,000	58,410,000	60,852,000	48,488,000	30,794,000	259,878,000
	Neighborhood Imp	3,147,000	3,272,000	3,401,000	3,537,000	3,678,000	17,035,000
	VERF	3,123,200	3,123,686	3,123,686	3,200,000	3,200,000	15,770,572
	Total	\$116,623,531	\$107,182,694	\$105,939,203	\$ 89,761,127	\$ 72,280,435	\$491,786,990
Municipal Parking	Parking Garages	71,000	35,000	35,000	35,000	35,000	211,000
	Total	\$ 71,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 211,000
Solid Waste	Environmental Prot	-	1,155,000	1,495,000	1,335,000	1,690,000	5,675,000
	Solid Waste Chapter	1,280,000	1,725,000	725,000	685,000	20,525,000	24,940,000
	Total	\$ 1,280,000	\$ 2,880,000	\$ 2,220,000	\$ 2,020,000	\$ 22,215,000	\$ 30,615,000
Stormwater	Capital Outlay	2,134,555	825,000	1,030,000	936,000	936,000	5,861,555
	Drainage Erosion Control	19,439,000	10,669,000	10,788,000	11,428,000	11,752,000	64,076,000
	Information Technology	-	-	100,000	-	100,000	200,000
	Transportation	570,000	600,000	600,000	600,000	600,000	2,970,000
	Total	\$ 22,143,555	\$ 12,094,000	\$ 12,518,000	\$ 12,964,000	\$ 13,388,000	\$ 73,107,555
Water	Assessments/Studies	300,000	-	-	-	300,000	600,000
	Sewer	201,698,136	42,340,000	55,600,000	55,000,000	128,500,000	483,138,136
	Water Prj	92,632,636	122,655,668	111,017,631	107,687,933	84,366,429	518,360,297
	Total	\$294,630,772	\$164,995,668	\$166,617,631	\$162,687,933	\$213,166,429	\$1,002,098,433
Total Plan		\$471,220,242	\$324,616,248	\$314,578,989	\$293,658,365	\$339,220,303	\$1,743,294,147

Aviation

FY 2019 – 2023

5 Year Capital Improvement Plan

Aviation 5 Year Capital Improvement Plan

Aviation 5 Year Capital Improvement Plan Summary

OVERVIEW

The City of Fort Worth Aviation System is home to three world-class airports – Alliance Airport (Alliance), Meacham International Airport (Meacham) and Spinks Airport (Spinks). Owned by the City of Fort Worth, each airport offers a diverse industrial base, which makes it an attractive location for a variety of businesses. The Capital Improvement Plan is meant to serve as a tool for planning improvements which will enhance the ability to serve the general aviation community and ensure on-going maintenance is completed and resulting in continued sustainability and growth.

BACKGROUND/HISTORY

The Aviation Department promotes economic activity through aeronautical and non-aeronautical spending generated by businesses and aircraft operators at the three Fort Worth Airports: Alliance, Meacham International, and Spinks. Meacham and Spinks are operated by Aviation Department staff, whereas the Department contracts with Alliance Air Services to manage Alliance.

The Aviation Department is a fully self-sustaining enterprise department supported through the collection of hangar and ground lease revenue, fuel flowage fees, Alliance revenue percentage and administration building revenue. These funds are administered through the Aviation Department and are discussed below.

The Aviation Department, Administration division is responsible for accounts payable/receivable, grants management, human resources, leasing, and accounting and budgeting for all three Fort Worth airports to varying degrees. The Operations division is responsible for the day-to-day operations of each airport and inspects each airport to identify deficiencies and implement appropriate corrective action. The Maintenance division is responsible for maintaining airfields and airport facilities.

FACILITIES

Fort Worth Alliance Airport – Established in 1989, Alliance Airport holds the distinction of being the world's first industrial airport and is the centerpiece of a 20,000 acre master-planned development known as AllianceTexas. Alliance was built to house large industrial and cargo operators, and potentially scheduled passenger service in the future. The airport is owned by the City of Fort Worth and operated by privately-held Alliance Air Services, a subsidiary of Hillwood Development Company, LLC. The airport features a vast array of flight services, including general aviation, industrial/air cargo, and military aviation. The airport maintains a U.S. Customs and Border Protection office for the convenience of its on-sight businesses and users. The airport is nearly 1,200 acres and contains two 11,000 foot concrete runways.

In addition to general aviation services, Alliance serves as the southwest regional hub for FedEx which is one of the principal anchor tenants. Other major tenants include Burlington Northern Santa Fe (BNSF) Railway, Bell Helicopter Textron, the Drug Enforcement Administration, and DynCorp International. Alliance Air Services serves as the only FBO at the airport and provides: 20,000 square feet of customer services areas/office space, multiple community hangars, fuel, and based aircraft.

Fort Worth Meacham International Airport – As the city's oldest operating airport – dating to 1925 - it is situated just five miles north of downtown Fort Worth. From its humble beginnings as a 100-acre site with dirt and sod runways, the airport has grown into a premiere general aviation airport. Meacham now encompasses nearly 900 acres of land with two active runways. There are currently 78 total hangar facilities accounting for 1.5 million square feet of hangar space which house over 400 based aircraft and continues to grow.

Aviation 5 Year Capital Improvement Plan

The renovation of its main administration building was completed in 2017. Aviation, Planning and Development staff, and other airport tenants, including one of three Fixed Based Operators (FBOs), are now located in the newly renovated building. The three FBOs are Texas Jet, Cornerstone, and American Aero. The FBOs provide a majority of the airport's fuel flowage and hangar space. Meacham's based businesses are primarily aviation-oriented and include fueling, maintenance, storage, painting, flight training, and aero-medical flights.

Fort Worth Spinks Airport – Spinks airport, located 14 miles south of downtown Fort Worth, was originally established in the early 1960s as Oak Grove Airport and remained active until its owner and founder Maurice "Pappy" Spinks died. In 1989, a ceremony was held closing Oak Grove and activating Spinks Airport, just adjacent to the west and named in his honor. It is the newest of the three Fort Worth airports and covers an area of just over 800 acres.

Spinks is made up of two runways - one asphalt surface and the other a turf surface. Its single FBO has constructed a 7,400 square foot terminal building. Currently, it has 60 hangar facilities which house 241 based aircraft. A new perimeter road along its northern boundary and the construction of a new community fire station is now complete. It is anticipated that the completion of both the north perimeter road and installation of a fire station will spur additional development at and directly adjacent to the airport.

Spinks is home to a single FBO; Harrison Aviation, which provides the airport's aeronautical fuel as well as concierge services. Other on-sight businesses at Spinks include aviation maintenance and paint facilities, hangar storage, fueling, and flight training.

CAPITAL IMPROVEMENT STRATEGY

The development and implementation of the Five-year Capital Improvement Plan (CIP) serves to define and prioritize CIP projects over the long-term. It identifies essential needs but also those initiatives which optimize operational capacity, enhance safety, and strengthen and enhance the economic aspects of each airport and the Aviation Department as a whole. It identifies upgrades and maintenance required in order to meet the needs of facility users and achieve the Department's mission to provide high-quality, cost effective facilities to meet the General Aviation needs of North Texas. This long-range plan provides the Airports, and the City, a path to support the overall needs of general aviation within Fort Worth, as well as meet the specific needs of each airport. The criteria for the plan were derived from pavement condition index (PCI) surveys of each airport, strategic communication with clients, visits to competing facilities, identification of aging systems and infrastructure, and discussions with airport tenants.

CAPITAL REVENUE SOURCES

Texas Department of Transportation (TxDOT) Aviation

Meacham and Spinks Airports both depend on grant funding from TxDOT Aviation to complete airfield projects such as runway and taxiway replacement and rehabilitation work. These funds pass through TxDOT from the FAA in the form of entitlement and discretionary grants through the Block Grant Program. Grants are provided to the airports on a 90/10 cost split; TxDOT provides 90 percent of the project cost and the City is responsible for providing a 10 percent match.

Federal Aviation Administration (FAA)

Alliance, with primarily cargo operations, receives cargo entitlement and discretionary grants directly from the FAA and does not utilize TxDOT Aviation for its Airport Improvement Program (AIP) grants.

Enterprise Fund

Aviation 5 Year Capital Improvement Plan

The Aviation Department is a fully self-sustaining enterprise fund and derives its revenue from the following primary sources:

1. Building, hangar, and ground leases
2. A per gallon fuel flowage fee
3. Landing Fees at Alliance Airport

Gas Well Legacy Trust Fund

The Gas Well legacy trust fund was established to ensure that City of Fort Worth airports would have a long term and dependable revenue source in the form of interest generated by the fund. As revenue is generated by the gas wells on airport property, the revenue is split and placed in both the trust fund and also in the usable fund. The interest from the trust is utilized to complete aviation capital projects and to match AIP grants from TxDOT Aviation.

Gas Well Usable Funds

This is a proportion of gas well revenue not placed within the Trust Fund. The usable gas well account must be used on projects that will generate operating revenue for the Aviation Department to ensure long term viability and sustainability.

Aviation 5 Year Capital Improvement Plan

Aviation 5 Year Capital Improvement Plan – Chapter Summary

Aviation Plan	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Alliance Airport	22,083,111	19,084,986	19,264,155	15,798,305	14,305,439	90,535,996
Meacham Airport	6,490,000	9,838,900	860,000	7,162,000	1,500,000	25,850,900
Spinks Airport	345,000	25,000	195,000	-	-	565,000
Total Plan	\$ 28,918,111	\$ 28,948,886	\$ 20,319,155	\$ 22,960,305	\$ 15,805,439	\$116,951,896

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport Capital Interfund Transfer Out	505,000	91,000	380,000	112,000	395,000	1,483,000
Aviation Gas Lease Cap Proj UNSGAS Project	500,000	541,790	67,500	705,000	150,000	1,964,290
FAA Grants Contrib From M-Airpt Grant Fed	21,071,800	18,519,832	17,254,740	13,318,475	8,703,912	78,868,759
TxDot Grants Intrgv Rev - TXDOT	4,500,000	7,456,110	607,500	6,345,000	1,350,000	20,258,610
Future In-Kind In Kind - Contrib From Others	2,341,311	2,340,154	2,009,415	2,479,830	5,206,527	14,377,237
Total Funding Source	\$ 28,918,111	\$ 28,948,886	\$ 20,319,155	\$ 22,960,305	\$ 15,805,439	\$116,951,896

Aviation 5 Year Capital Improvement Plan

Alliance Airport Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total	
Alliance Airport	Assessments	Airport Layout Plan (ALP) Update	300,000	-	-	-	-	300,000	
		Part 150 Analysis	100,000	-	-	-	-	100,000	
	Equipment	Purchase Equipment - Sweeper Truck	-	333,333	-	-	-	-	333,333
		Purchase Equipment - ARFF Vehicle	-	-	-	1,111,111	-	-	1,111,111
		Purchase Herbicide Sprayer	-	10,000	-	-	-	-	10,000
		Two John Deere Bat-wing Mower Attachments	-	-	-	-	-	60,000	60,000
		Replace Maintenance Trailer	-	-	-	-	-	10,000	10,000
		NAVAID Replacement	-	-	-	-	-	200,000	200,000
		New ARFF / Training Station (Land Acquisition)	-	-	-	-	-	182,476	182,476
	Minor Reno & Repair	Pave Maint Area at 20S Allianc P_101752	170,000	-	-	-	-	-	170,000
		Misc. Pavement Repairs (Design/Construction)	-	-	111,111	111,111	-	-	222,222
		Upgrade Ramp Lighting (LED)	-	122,222	-	-	-	-	122,222
	New Aviation Facilities	Groundwater Drainage North of Taxiway G (Design)	-	-	-	-	140,658	140,658	
	New Runway/Taxiway	Runway 16R, 16L, Taxiway Alpha Extension	11,111,111	11,111,111	11,111,111	11,111,111	-	-	44,444,444
		Rehabilitate Taxiway Shoulders	-	-	2,938,183	2,039,972	-	-	4,978,155
		Taxiway Foxtrot Connector	1,932,000	-	-	-	-	-	1,932,000
		Taxiway Papa Extension	8,470,000	6,930,000	-	-	-	-	15,400,000
		Runway 17R 35L Overlay	-	-	-	-	-	800,000	800,000
		Taxiway Bravo Extension 1000' N (Construction)	-	-	-	-	-	1,500,000	1,500,000
		Taxiway Hotel (Construction)	-	-	-	-	-	250,000	250,000
		Taxilane Juliet Aprons Delta and Charlie	-	200,000	5,000,000	-	-	-	5,200,000
		Parallel Taxiway Tango (Construction)	-	-	-	-	-	6,591,084	6,591,084
		Rehabilitate Taxiway Alpha Shoulders	-	-	-	-	-	3,496,221	3,496,221
		Runway 16R Joint Repair (Construction)	-	-	-	-	-	950,000	950,000
		Runway 16L Joint Repair (Design)	-	-	-	103,750	-	-	103,750
		Runway 16L Joint Repair (Construction)	-	-	-	-	1,125,000	-	1,125,000
		AFW Rehabilitate Runway and Taxiway Shoulders (Design)	-	378,320	-	-	-	-	378,320
		FTW Taxiway Alpha 2, Foxtrot and Kilo Realignment	-	-	-	-	300,000	-	300,000
	Vehicles	Replace Ford F-350	-	-	-	-	-	75,000	75,000
		Replace Truck 5	-	-	-	-	-	50,000	50,000
	Chapter Total			\$ 22,083,111	\$ 19,084,986	\$ 19,264,155	\$ 15,798,305	\$ 14,305,439	\$ 90,535,996

Aviation 5 Year Capital Improvement Plan

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	Capital Interfund Transfer Out	170,000	10,000	-	-	395,000	575,000
FAA Grants	Contrib From M-Airpt Grant Fed	19,721,800	16,854,832	17,254,740	13,318,475	8,703,912	75,853,759
Future In-Kind	In Kind - Contrib From Others	2,191,311	2,220,154	2,009,415	2,479,830	5,206,527	14,107,237
Total Funding Source		\$ 22,083,111	\$ 19,084,986	\$ 19,264,155	\$ 15,798,305	\$ 14,305,439	\$ 90,535,996

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Assessments	Aviation	Council District 7

Project Name: Airport Layout Plan (ALP) Update

Description: This is an update to the long-term plan of how Alliance Airport can best use its physical assets to accomplish business needs and offer value to all customers. This project will be 90% grant-funded.

Justification: This plan must be periodically updated, as city growth, demand, and available resources evolve. Having an updated ALP is a requirement from the Federal Aviation Administration and can have an effect on future grant funds.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Airport Layout Plan (ALP) Update	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	270,000	-	-	-	-	270,000
Future In-Kind	30,000	-	-	-	-	30,000
Total	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Assessments	Aviation	Council District 7

Project Name: Part 150 Analysis

Description: This is a noise study performed at Alliance Airport, which will determine the decibels generated by aircraft as it lands at and takes off from Alliance Airport. The focus will be on how far away loud noises from operations are audible and to what extent. This project will be 90% grant-funded.

Justification: Part 150 is a Federal Aviation Regulation which prescribes how aviation noise is to be evaluated, assessed and mitigated.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Part 150 Analysis	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	90,000	-	-	-	-	90,000
Future In-Kind	10,000	-	-	-	-	10,000
Total	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Equipment	Aviation	Council District 7

Project Name: Purchase Equipment - Sweeper Truck

Description: This project will provide a new sweeper truck for Alliance Airport, used in clearing and cleaning runways. This project will be 90% grant-funded.

Justification: Clean runways are an essential element in a safe and operational airport. By keeping runways free of man-made and weather-related debris, the street sweeper will play a part in this.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Purchase Equipment - Sweeper Truck	\$ -	\$ 333,333	\$ -	\$ -	\$ -	\$ 333,333

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	300,000	-	-	-	300,000
Future In-Kind	-	33,333	-	-	-	33,333
Total	\$ -	\$ 333,333	\$ -	\$ -	\$ -	\$ 333,333

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Equipment	Aviation	Council District 7

Project Name: Purchase Equipment – ARFF Vehicle

Description: This project will provide a new aircraft rescue firefighting (ARFF) vehicle for Alliance Airport. This project will be 90% grant-funded.

Justification: The Aircraft Rescue Firefighting (ARFF) vehicle is used in the worst of emergencies when a specialized rescue crew is needed to address a fire in an aircraft. The last purchase of an ARFF for Alliance Airport occurred in 2011.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Purchase Equipment - ARFF Vehicle	\$ -	\$ -	\$ -	\$ 1,111,111	\$ -	\$ 1,111,111

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	-	1,000,000	-	1,000,000
Future In-Kind	-	-	-	111,111	-	111,111
Total	\$ -	\$ -	\$ -	\$ 1,111,111	\$ -	\$ 1,111,111

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Equipment	Aviation	Council District 7

Project Name: Purchase Herbicide Sprayer

Description: To purchase a herbicide sprayer for weeds growing on pavement surfaces on the airport.

Justification: This equipment is needed to ensure that pavement surfaces remain free of weeds and grass. Not only does the airport benefit aesthetically, but it also provides a safety benefit by keeping the runways/pavements free from grass and weeds that can potentially affect the wheels of aircraft.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Purchase Herbicide Sprayer	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ 10,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	10,000	-	-	-	10,000
Total	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ 10,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Equipment	Aviation	Council District 7

Project Name: Two John Deere Bat-wing Mower Attachments

Description: Mower attachments necessary to maintain the airside of Meacham Airport.

Justification: Without the mower attachments the Aviation Department will not be able to properly maintain the appearance of Meacham Airport.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Two John Deere Bat-wing Mower Attachments	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ 60,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	-	-	60,000	60,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ 60,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Equipment	Aviation	Council District 7

Project Name: Replace Maintenance Trailer

Description: To replace the maintenance trailer at Meacham Airport. This trailer is used to store maintenance equipment on the airport.

Justification: Replacing the maintenance trailer will reduce annual maintenance cost of the current trailer that has exceeded its useful life. Replacing the trailer will increase maintenance staff capabilities and response times.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Replace Maintenance Trailer	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	-	-	10,000	10,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Equipment	Aviation	Council District 7

Project Name: NAVAID Replacement

Description: This project will replace the navigational aid system at Spinks Airport.

Justification: The navigational aid system is necessary to guide aircraft to Spinks Airport. The system would have reached its useful life and needs to be replaced to ensure the continued safety of aircraft landing at Spinks.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
NAVAID Replacement	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	-	-	200,000	200,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Land Acquisition	Aviation	Council District 7

Project Name: New ARFF / Training Station (Land Acquisition)

Description: This project is to acquire land for a new Aircraft Rescue Fire Fighting (ARFF) facility and training station for the current fire station located at Alliance Airport.

Justification: There is a rapid growth and expansion at Alliance Airport due to development and the completion of the Alliance Runway Extension. The airport will be seeing increased flight activity, particularly with larger aircraft with increased payloads. In the event of an emergency situation, it is imperative that we have an ARFF facility strategically located in an area where the firefighters can reach the aircraft in a shorter time frame than where they are currently located.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
New ARFF / Training Station (Land Acquisition)	\$ -	\$ -	\$ -	\$ -	\$ 182,476	\$ 182,476

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	-	-	18,248	18,248
Future In-Kind	-	-	-	-	164,228	164,228
Total	\$ -	\$ -	\$ -	\$ -	\$ 182,476	\$ 182,476

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Minor Reno & Repair	Aviation	Council District 7

Project Name: Pave Maintenance Area at 20S

Description: This project is to pave the maintenance area at 20S at Meacham Airport.

Justification: The area is currently not paved and is made of loose gravel and dirt that frequently turns into mud when wet. We have numerous pieces of equipment that operate into and out of this area that then proceed onto active Taxiways. The loose gravel and mud then gets dragged onto the aircraft movement areas and becomes FOD or Foreign Object Debris which can damage aircraft and become ingested into jet engines. The paving of this area will make it safer for our staff and for the traveling public at Meacham Airport.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Pave Maint Area at 20S Allianc P_101752	\$ 170,000	\$ -	\$ -	\$ -	\$ -	\$ 170,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	170,000	-	-	-	-	170,000
Total	\$ 170,000	\$ -	\$ -	\$ -	\$ -	\$ 170,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Minor Reno & Repair	Aviation	Council District 7

Project Name: Misc. Pavement Repairs (Design/Construction)

Description: This project will address aging pavement throughout Alliance Airport, which undermines the beautification and, at times, the safety of the facility. This project will be 90% grant-funded.

Justification: This is necessary for keeping pavement, taxiways, runways, and aprons at the airport so they are constantly fit for takeoff and landing. Failure to maintain pavement can result in safety issues and a finding from the Federal Aviation Administration during their annual Part 139 Inspection.

Projected Date Range: FY 2021 – FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Misc. Pavement Repairs (Design/Construction)	\$ -	\$ -	\$ 111,111	\$ 111,111	\$ -	\$ 222,222

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	100,000	100,000	-	200,000
Future In-Kind	-	-	11,111	11,111	-	22,222
Total	\$ -	\$ -	\$ 111,111	\$ 111,111	\$ -	\$ 222,222

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Minor Reno & Repair	Aviation	Council District 7

Project Name: Upgrade Ramp Lighting (LED)

Description: This project will overhaul ramp lighting at Alliance Airport, keeping the ramps well-lit throughout the day with LED bulbs. This project will be 90% grant-funded.

Justification: LED bulbs are brighter and far more energy-efficient than their predecessors. On top of energy savings costs, these will be replaced less frequently, leading to fewer potential service disruptions.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Upgrade Ramp Lighting (LED)	\$ -	\$ 122,222	\$ -	\$ -	\$ -	\$ 122,222

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	110,000	-	-	-	110,000
Future In-Kind	-	12,222	-	-	-	12,222
Total	\$ -	\$ 122,222	\$ -	\$ -	\$ -	\$ 122,222

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Aviation Facilities	Aviation	Council District 7

Project Name: Groundwater Drainage North of Taxiway G (Design)

Description: This project fund design costs necessary to resolve the drainage issue north of Taxiway G at Meacham Airport.

Justification: Drainage issues have been identified North of Taxiway G. Due to the Midfield redevelopment project occurring these issues need to be resolved so that the area can be developed fully developed and the drainage issue will not affect future airport tenants.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Groundwater Drainage North of Taxiway G (Design)	\$ -	\$ -	\$ -	\$ -	\$ 140,658	\$ 140,658

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	-	-	14,066	14,066
Future In-Kind	-	-	-	-	126,592	126,592
Total	\$ -	\$ -	\$ -	\$ -	\$ 140,658	\$ 140,658

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Runway 16R, 16L, Taxiway Alpha Extension

Description: Alliance airport has recently reached a major milestone in the overhaul of its main runways, bringing each to 11,000 feet. This long-term project will build off of that with corresponding increases to the taxiways for each runway. This project will be 90% grant-funded.

Justification: Longer runways and taxiways are necessary to attract a wider array of businesses to access Alliance Airport, as Fort Worth further establishes the airport as a major hub for industry use. A longer takeoff is necessary for larger planes to gain speed, especially on hotter days. Longer taxiways will support longer runways and allow for planes to queue up more quickly.

Projected Date Range: FY 2019 - FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Runway 16R, 16L, Taxiway Alpha Extension	\$ 11,111,111	\$ 11,111,111	\$ 11,111,111	\$ 11,111,111	\$ -	\$ 44,444,444

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	10,000,000	10,000,000	10,000,000	10,000,000	-	40,000,000
Future In-Kind	1,111,111	1,111,111	1,111,111	1,111,111	-	4,444,444
Total	\$ 11,111,111	\$ 11,111,111	\$ 11,111,111	\$ 11,111,111	\$ -	\$ 44,444,444

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: **Rehabilitate Taxiway Shoulders**

Description: Alliance airport has recently reached a major milestone in the overhaul of its main runways, bringing each to 11,000 feet. This long-term project will build off of that with wider shoulders for each runway. This project will be 90% grant-funded.

Justification: Longer runways and taxiways are necessary to attract a wider array of businesses to access Alliance Airport, as Fort Worth further establishes the airport as a major hub for industry use. A longer takeoff is necessary for larger planes to gain speed, especially on hotter days. Wide shoulders will make runways safer as planes take off at high speeds from long runways.

Projected Date Range: FY 2021 - FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Rehabilitate Taxiway Shoulders	\$ -	\$ -	\$ 2,938,183	\$ 2,039,972	\$ -	\$ 4,978,155

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	2,644,365	1,835,975	-	4,480,340
Future In-Kind	-	-	293,818	203,997	-	497,816
Total	\$ -	\$ -	\$ 2,938,183	\$ 2,039,972	\$ -	\$ 4,978,155

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Taxiway Foxtrot Connector

Description: This project includes both the design and the construction in back-to-back years of a new connector at Alliance Airport to improve ease of access to Taxiway Foxtrot. This project will be 90% grant-funded.

Justification: Design of the connector and its construction will both be subject to a competitive bid. The construction of the new connector will ease operations and help prevent backlog as more planes prepare for takeoff in short periods of time.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Taxiway Foxtrot Connector	\$ 1,932,000	\$ -	\$ -	\$ -	\$ -	\$ 1,932,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	1,738,800	-	-	-	-	1,738,800
Future In-Kind	193,200	-	-	-	-	193,200
Total	\$ 1,932,000	\$ -	\$ -	\$ -	\$ -	\$ 1,932,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Taxiway Papa Extension

Description: Phase 2 of the Taxiway Papa design will include professional engineering services for finalizing the plans and specifications for construction of Taxiway Papa from Taxiway Delta to Taxiway Foxtrot. Construction will be divided into multiple phases to match available funding. Early works may include earthwork, drainage, and utilities. This project will be 90% grant-funded.

Justification: The extension of Taxiway Papa, including new taxiway connectors to Runway 16R-34L at Taxiways Echo and Foxtrot, is needed to improve the safe operation of Runway 16R-34L. This provides Air Traffic Control flexibility to depart aircraft from the active runway quicker, reducing potential for runway incursions caused by aircraft still within the Runway Safety Area.

Projected Date Range: FY 2019 – FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Taxiway Papa Extension	\$ 8,470,000	\$ 6,930,000	\$ -	\$ -	\$ -	\$ 15,400,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	7,623,000	6,237,000	-	-	-	13,860,000
Future In-Kind	847,000	693,000	-	-	-	1,540,000
Total	\$ 8,470,000	\$ 6,930,000	\$ -	\$ -	\$ -	\$ 15,400,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Runway 17R 35L Overlay

Description: This project includes the milling and overlay of the asphalt pavement on Runway 17/35 at Spinks Airport.

Justification: This project is necessary to improve the conditions and to extend the life of Runway 17R 35L.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Runway 17R 35L Overlay	\$ -	\$ -	\$ -	\$ -	\$ 800,000	\$ 800,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	-	-	720,000	720,000
Future In-Kind	-	-	-	-	80,000	80,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 800,000	\$ 800,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments:

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Taxiway Bravo Extension 1000' N (Construction)

Description: To extend Taxiway Bravo by 1,000 Feet north at Spinks Airport. This project will be 90% grant funded.

Justification: The extension of Taxiway Bravo will improve the tenant’s ability to move around the airfield. Larger aircraft necessitates longer taxiways and runways.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Taxiway Bravo Extension 1000' N (Construction)	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	-	-	1,350,000	1,350,000
Future In-Kind	-	-	-	-	150,000	150,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Taxiway Hotel (Construction)

Description: Construction of Taxiway Hotel at Spinks Airport. This project will be 90% funded with grant funds.

Justification: This enables tenants on the east side of the airport to be able to have improved access to Runways. This will increase safety and reduce incursions while accessing runway.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Taxiway Hotel (Construction)	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	-	-	225,000	225,000
Future In-Kind	-	-	-	-	25,000	25,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Taxilane Juliet Aprons Delta and Charlie

Description: This project will fund the design and construction of Taxilane Juliet, Apron Delta and Charlie at Meacham Airport. This project will be 90% grant funded.

Justification: This project will replace failed pavement in these areas. Replacement of the paved areas will maintain the safety of aircraft utilizing the apron and taxilane.

Projected Date Range: FY 2020 – FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Taxilane Juliet Aprons Delta and Charlie	\$ -	\$ 200,000	\$ 5,000,000	\$ -	\$ -	\$ 5,200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	170,000	4,500,000	-	-	4,670,000
Future In-Kind	-	30,000	500,000	-	-	530,000
Total	\$ -	\$ 200,000	\$ 5,000,000	\$ -	\$ -	\$ 5,200,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Parallel Taxiway Tango (Construction)

Description: This project will construct a new parallel taxiway to connect to the new taxiways constructed for the Midfield redevelopment project at Meacham Airport. This project will be 90% grant funded.

Justification: This follows another recent project, which is the Midfield Redevelopment project. This taxiway construction increases navigability and ease of movement for planes preparing for takeoff and recently having landed.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Parallel Taxiway Tango (Construction)	\$ -	\$ -	\$ -	\$ -	\$ 6,591,084	\$ 6,591,084

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	-	-	5,931,976	5,931,976
Future In-Kind	-	-	-	-	659,108	659,108
Total	\$ -	\$ -	\$ -	\$ -	\$ 6,591,084	\$ 6,591,084

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Rehabilitate Taxiway Alpha Shoulders

Description: This project will fund the rehabilitation of Taxiway Alpha Shoulders at Alliance Airport. This project will be funded by FAA grant funds.

Justification: This project is necessary to ensure that taxiway shoulders are maintained. Failure to maintain the pavement can lead to aircraft safety issues as well as findings from the FAA during the annual Part 139 inspection

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Rehabilitate Taxiway Alpha Shoulders	\$ -	\$ -	\$ -	\$ -	\$ 3,496,221	\$ 3,496,221

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	-	-	349,622	349,622
Future In-Kind	-	-	-	-	3,146,599	3,146,599
Total	\$ -	\$ -	\$ -	\$ -	\$ 3,496,221	\$ 3,496,221

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Runway 16R Joint Repair (Construction)

Description: This project will fund joint repair work on Runway 16R at Alliance Airport.

Justification: Repairs are necessary to maintain the safety of aircraft utilizing Runway 16R at Alliance. Failure to maintain the pavement will reduce takeoff/landing capacity due to pavement failures. If the joints are not maintained or repaired in a timely fashion it could lead to larger more costly pavement issues.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Runway 16R Joint Repair (Construction)	\$ -	\$ -	\$ -	\$ -	\$ 950,000	\$ 950,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	-	-	95,000	95,000
Future In-Kind	-	-	-	-	855,000	855,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 950,000	\$ 950,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Runway 16L Joint Repair (Design)

Description: This project is for the design of the joint repair work on Runway 16L at Alliance Airport.

Justification: Repairs are necessary to maintain the safety of aircraft utilizing Runway 16L at Alliance. Failure to maintain the pavement will reduce takeoff/landing capacity due to pavement failures. If the joints are not maintained or repaired in a timely fashion it could lead to larger more costly pavement issues.

Projected Date Range: FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Runway 16L Joint Repair (Design)	\$ -	\$ -	\$ 103,750	\$ -	\$ -	\$ 103,750

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	10,375	-	-	10,375
Future In-Kind	-	-	93,375	-	-	93,375
Total	\$ -	\$ -	\$ 103,750	\$ -	\$ -	\$ 103,750

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: Runway 16L Joint Repair (Construction)

Description: This project will fund the repair of joint spalling, joint seal damage on Runway 16 L at Fort Worth Alliance Airport

Justification: Repairs are necessary to maintain the safety of aircraft utilizing Runway 16L at Alliance. Failure to maintain the pavement will reduce takeoff/landing capacity due to pavement failures. If the joints are not maintained or repaired in a timely fashion it could lead to larger more costly pavement issues.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Runway 16L Joint Repair (Construction)	\$ -	\$ -	\$ -	\$ 1,125,000	\$ -	\$ 1,125,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	-	112,500	-	112,500
Future In-Kind	-	-	-	1,012,500	-	1,012,500
Total	\$ -	\$ -	\$ -	\$ 1,125,000	\$ -	\$ 1,125,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: AFW Rehabilitate Runway and Taxiway Shoulders (Design)

Description: This project will pay for the design of runway and taxiway shoulders at Alliance Airport. This project will be 90% funded by the FAA Cargo Entitlement Grant

Justification: This project is necessary to ensure that taxiway and runway shoulders are maintained. Failure to maintain the pavement can lead to aircraft safety issues as well as findings from the FAA during the annual Part 139 inspection.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
AFW Rehabilitate Runway and Taxiway Shoulders (Design)	\$ -	\$ 378,320	\$ -	\$ -	\$ -	\$ 378,320

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	37,832	-	-	-	37,832
Future In-Kind	-	340,488	-	-	-	340,488
Total	\$ -	\$ 378,320	\$ -	\$ -	\$ -	\$ 378,320

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	New Runway/Taxiway	Aviation	Council District 7

Project Name: FTW Taxiway Alpha 2, Foxtrot and Kilo Realignment

Description: This project will realign Taxiways Alpha 2, Foxtrot and Kilo at Fort Worth Alliance Airport

Justification: The realignment of these taxiways will improve safety and the flow of traffic at Alliance Airport. This realignment is necessary due to new development occurring at Alliance Airport.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FTW Taxiway Alpha 2, Foxtrot and Kilo Realignment	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	-	-	270,000	-	270,000
Future In-Kind	-	-	-	30,000	-	30,000
Total	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Vehicles	Aviation	Council District 7

Project Name: Replace Ford F-350

Description: This project will replace the F-350 at Fort Worth Alliance Airport.

Justification: This replacement is necessary due to the F-350 being past it’s useful life in FY 2023. This will result in a decrease in maintenance and repair costs.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Replace Ford F-350	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	-	-	75,000	75,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Alliance Airport	Vehicles	Aviation	Council District 7

Project Name: Replace Truck 5

Description: This project will provide a new pickup truck for use at Fort Worth Alliance Airport.

Justification: By 2023, truck 5 would have passed its useful life. It is necessary to replace this vehicle which will reduce the maintenance and repair costs of utilizing an older vehicle.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Replace Truck 5	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	-	-	50,000	50,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Aviation Capital Improvement Plan

Meacham Airport Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Meacham Airport	Assessments	Pavement Condition Index Study - Update (Meacham)	-	-	50,000	-	-	50,000
	Equipment	Meacham Equipment - Backhoe P_101742	150,000	-	-	-	-	150,000
		Meacham Equipment - Bobcat P_101744	90,000	-	-	-	-	90,000
		Meacham Equipment - FOD P_101745	20,000	-	-	-	-	20,000
		Purchase Equipment - Kubota Mower	-	16,000	-	-	-	16,000
		Golf Cart Replace with Utility Cart	-	-	20,000	-	-	20,000
		Purchase Equipment - Kubota	-	-	15,000	-	-	15,000
		Purchase Equipment - Truck #3	-	-	-	42,000	-	42,000
		Purchase Equipment - Komatsu Fork Lift	-	-	-	70,000	-	70,000
	Mjr Reno & Repair	Hangar 36S - Install Pavement at North Side	-	-	100,000	-	-	100,000
		Eastside Hangars/Adjacent Paving - Construction	-	1,200,000	-	-	-	1,200,000
		Airfield Lighting Upgrade - LED	-	180,000	-	-	-	180,000
		17R/35L 1000' North Extension Environmental	-	-	675,000	3,500,000	-	4,175,000
	Minor Reno & Repair	T-Hangar Winterize Waterline P_101743	30,000	-	-	-	-	30,000
		Midfield Redevelopment and Helipad Connector	5,000,000	3,617,900	-	-	-	8,617,900
		Hangar 51S Connect Ramp to Hangar 3W Ramp	-	40,000	-	-	-	40,000
	New Runway/Taxiway	Runway 16/34 Pavement, Lighting, and Signage	-	-	-	150,000	1,500,000	1,650,000
		Runway Crack Seal/Slurry Coat/Markings	-	585,000	-	-	-	585,000
		Taxiway Charlie Construction (Concrete)	1,200,000	-	-	-	-	1,200,000
		Taxiway Bravo / North Extension	-	-	-	3,000,000	-	3,000,000
		Taxiway Echo - Remove/Construct (concrete)	-	-	-	200,000	-	200,000
		Taxiway Foxtrot - Remove/Construct (concrete)	-	-	-	200,000	-	200,000
	Street Maint	North Main Street Improvements - Phase 3	-	4,200,000	-	-	-	4,200,000
Chapter Total			\$ 6,490,000	\$ 9,838,900	\$ 860,000	\$ 7,162,000	\$ 1,500,000	\$ 25,850,900

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	Capital Interfund Transfer Out	290,000	56,000	185,000	112,000	-	643,000
Aviation Gas Lease Cap Proj	UNSGAS Project	500,000	541,790	67,500	705,000	150,000	1,964,290
FAA Grants	Contrib From M-Airpt Grant Fed	1,080,000	1,665,000	-	-	-	2,745,000
TxDot Grants	Intrgv Rev - TXDOT	4,500,000	7,456,110	607,500	6,345,000	1,350,000	20,258,610
Future In-Kind	In Kind - Contrib From Others	120,000	120,000	-	-	-	240,000
Total Funding Source		\$ 6,490,000	\$ 9,838,900	\$ 860,000	\$ 7,162,000	\$ 1,500,000	\$ 25,850,900

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Assessments	Aviation	Council District 2

Project Name: Pavement Condition Index Study - Update (Meacham)

Description: In the near future, airport improvements will encompass the rehabilitation and replacement of a significant amount of pavement as identified in a Pavement Condition Index (PCI); the majority of it within aircraft ramp areas.

Justification: This study is needed to identify areas where the PCI is low enough that a replacement is needed. Persistently low PCI leads to dangerous conditions on runways where slips due to low traction, accidents, or aircraft damage due to holes are more likely.

Projected Date Range: FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Pavement Condition Index Study - Update (Meacham)	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 50,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	50,000	-	-	50,000
Total	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 50,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Equipment	Aviation	Council District 2

Project Name: Meacham Equipment - Backhoe

Description: This project will provide a new back-hoe for Meacham Airport, used in small construction, demolition, clearing debris, and landscaping.

Justification: There is a large amount of routine maintenance performed at each of Fort Worth’s airports that goes beyond the needs of human labor alone. By the purchase of the backhoe, a large amount of work can be done in-house rather than contracted out or elevated to the level of small capital projects.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Meacham Equipment - Backhoe P_101742	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	150,000	-	-	-	-	150,000
Total	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Equipment	Aviation	Council District 2

Project Name: Purchase Equipment Bobcat

Description: This project will provide a Bobcat for Meacham Airport, used in operational projects and routine maintenance throughout the facility.

Justification: There is a large amount of routine maintenance performed at each of Fort Worth’s airports that goes beyond the needs of human labor alone. By the purchase of the Bobcat, a large amount of work can be done in-house rather than contracted out or elevated to the level of small capital projects.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Meacham Equipment - Bobcat P_101744	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	90,000	-	-	-	-	90,000
Total	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Equipment	Aviation	Council District 2

Project Name: Meacham Equipment - Foreign Object Debris (FOD)

Description: This project will provide a new piece of equipment for removing foreign object debris at Fort Worth Meacham airport.

Justification: Foreign object debris is both an unfortunately frequent occurrence at airports and a significant risk to aircraft in the process of landing or takeoff. The foreign object debris equipment will consistently clear this out to reduce risk and enhance safety priorities across Fort Worth airports.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Meacham Equipment - FOD P_101745	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	20,000	-	-	-	-	20,000
Total	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Equipment	Aviation	Council District 2

Project Name: Purchase Equipment – Kubota Mower

Description: This project will provide a new Kubota lawnmower for use at Fort Worth Meacham airport.

Justification: The current Meacham Airport mower is expected to last about two more years in its useful life. Its replacement is expected in FY2020 to enable the airport to continue to uphold a clean, efficient, and safe level of maintenance on the property.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Purchase Equipment - Kubota Mower	\$ -	\$ 16,000	\$ -	\$ -	\$ -	\$ 16,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	16,000	-	-	-	16,000
Total	\$ -	\$ 16,000	\$ -	\$ -	\$ -	\$ 16,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Equipment	Aviation	Council District 2

Project Name: Golf Cart Replace with Utility Cart

Description: This project will provide a new utility cart for use at Fort Worth Meacham airport.

Justification: The useful life of the golf cart, which has been used for minor transport, is expected to last until FY2021. At that point, it will be replaced with a utility cart, which provides more to the airport staff in terms of rapid movement and carrying capacity for tools or other passengers.

Projected Date Range: FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Golf Cart Replace with Utility Cart	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ 20,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	20,000	-	-	20,000
Total	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ 20,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Equipment	Aviation	Council District 2

Project Name: Purchase Equipment - Kubota

Description: This project will provide a new Kubota model for use at Fort Worth Meacham airport.

Justification: There is a large amount of routine maintenance performed at each of Fort Worth’s airports that goes beyond the needs of human labor alone. By the purchase of the Kubota, a large amount of work can be done in-house rather than contracted out or elevated to the level of small capital projects.

Projected Date Range: FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Purchase Equipment - Kubota	\$ -	\$ -	\$ 15,000	\$ -	\$ -	\$ 15,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	15,000	-	-	15,000
Total	\$ -	\$ -	\$ 15,000	\$ -	\$ -	\$ 15,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Equipment	Aviation	Council District 2

Project Name: Purchase Equipment – Truck #3

Description: This project will provide a new pickup truck for use at Fort Worth Meacham airport.

Justification: There is a large amount of routine maintenance performed at each of Fort Worth’s airports that goes beyond the needs of human labor alone. By the purchase of this pickup truck, a large amount of work can be done in-house rather than contracted out or elevated to the level of small capital projects.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Purchase Equipment - Truck #3	\$ -	\$ -	\$ -	\$ 42,000	\$ -	\$ 42,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	-	42,000	-	42,000
Total	\$ -	\$ -	\$ -	\$ 42,000	\$ -	\$ 42,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Equipment	Aviation	Council District 2

Project Name: Purchase Equipment – Komatsu Fork Lift

Description: This project will provide a new Komatsu Fork Lift for use at Fort Worth Meacham airport.

Justification: There is a large amount of routine maintenance performed at each of Fort Worth’s airports that goes beyond the needs of human labor alone. By the purchase of this pickup truck, a large amount of work can be done in-house rather than contracted out or elevated to the level of small capital projects.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Purchase Equipment - Komatsu Fork Lift	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ 70,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	-	70,000	-	70,000
Total	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ 70,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Mjr Reno & Repair	Aviation	Council District 2

Project Name: Hangar 36S - Install Pavement at North Side

Description: This project will pave the north side of Hangar 36S at Meacham Airport. Paving will be done quickly and finished within the fiscal year it begins.

Justification: By paving the area surrounding this hangar, it may be accessed from either side, will be more efficiently maintained, and will be more attractive for lease.

Projected Date Range: FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Hangar 36S - Install Pavement at North Side	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	100,000	-	-	100,000
Total	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Mjr Reno & Repair	Aviation	Council District 2

Project Name: Eastside Hangars/Adjacent Paving - Construction

Description: This project will pave the east side of several hangars at Spinks Airport. Paving will be done quickly and finished within the fiscal year it begins. These hangars were recently purchased in order to enhance the revenue generating ability of the airport. This project will be 90% grant-funded.

Justification: By paving the area surrounding these hangars, they may be accessed from either side, will be more efficiently maintained, and will be more attractive for lease.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Eastside Hangars/Adjacent Paving - Construction	\$ -	\$ 1,200,000	\$ -	\$ -	\$ -	\$ 1,200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	1,080,000	-	-	-	1,080,000
Future In-Kind	-	120,000	-	-	-	120,000
Total	\$ -	\$ 1,200,000	\$ -	\$ -	\$ -	\$ 1,200,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Mjr Reno & Repair	Aviation	Council District 2

Project Name: Airfield Lighting Upgrade - LED

Description: This project will overhaul airfield lighting at Spinks Airport, keeping the ramps, taxiways, shoulders, and other areas well-lit throughout the day with LED bulbs. This project will be 90% grant-funded.

Justification: LED bulbs are brighter and far more energy-efficient than their predecessors. On top of energy savings costs, these will be replaced less frequently, leading to fewer potential service disruptions.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Airfield Lighting Upgrade - LED	\$ -	\$ 180,000	\$ -	\$ -	\$ -	\$ 180,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Aviation Gas Lease Cap Proj	-	180,000	-	-	-	180,000
Total	\$ -	\$ 180,000	\$ -	\$ -	\$ -	\$ 180,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Mjr Reno & Repair	Aviation	Council District 2

Project Name: 17R/35L 1000' North Extension Environmental

Description: This is an environmental assessment and ensuing construction to be performed as the airport prepares for the extension of runway 17R/36L, similar to the recent extension of runways at Alliance Airport. This project will be 90% grant-funded.

Justification: As a public entity there is a great deal of interest and investment in Spinks Airport's ability to operate without harm to its community and environment. This study will ensure that all work to be performed minimizes these risks. The construction that follows will expand the runway to serve a greater range of clientele.

Projected Date Range: FY 2021 – FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
17R/35L 1000' North Extension Environmental	\$ -	\$ -	\$ 675,000	\$ 3,500,000	\$ -	\$ 4,175,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Aviation Gas Lease Cap Proj	-	-	67,500	350,000	-	417,500
TxDot Grants	-	-	607,500	3,150,000	-	3,757,500
Total	\$ -	\$ -	\$ 675,000	\$ 3,500,000	\$ -	\$ 4,175,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Minor Reno & Repair	Aviation	Council District 2

Project Name: T-Hangar - Winterize Waterlines

Description: This project will overhaul the water transmission lines at the Meacham Airport in the T-Hangars. Lines will be insulated from cold to adjust with temperature and prevent bursts during cold weather.

Justification: Burst water lines cause a major business disruption, and are never predictable ahead of time. The completion of the project will help prevent significant amounts of lost business and productivity.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
T-Hangar Winterize Waterline P_101743	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	30,000	-	-	-	-	30,000
Total	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Minor Reno & Repair	Aviation	Council District 2

Project Name: Midfield Redevelopment and Helipad Connector

Description: This project involves the engineering and design of the Midfield Redevelopment Area at Meacham Airport where a runway was closed in 2015, as well as construction of a connector between Helipad I and Helipad II at the west side of the airport. This project will be 90% grant funded.

Justification: The Texas Department of Transportation Aviation Division (TxDOT) has agreed to use FAA Discretionary funds from the Airport Improvement Program for the removal and realignment of nonstandard taxiways in order to meet FAA airport design standards. Design and construction of the taxiway realignment will be administered by TxDOT as part of the Midfield Redevelopment Project.

Projected Date Range: FY 2019 – FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Midfield Redevelopment and Helipad Connector	\$ 5,000,000	\$ 3,617,900	\$ -	\$ -	\$ -	\$ 8,617,900

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Aviation Gas Lease Cap Proj	500,000	361,790	-	-	-	861,790
TxDot Grants	4,500,000	3,256,110	-	-	-	7,756,110
Total	\$ 5,000,000	\$ 3,617,900	\$ -	\$ -	\$ -	\$ 8,617,900

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Minor Reno & Repair	Aviation	Council District 2

Project Name: Hangar 51S Connect Ramp to Hangar 3W Ramp

Description: This project will link hangar 52S and Hangar 3w ramp via the perimeter road at Fort Worth Meacham Airport. A vendor will be selected through a competitive bid.

Justification: This project will be a great enhancement to accessibility throughout Meacham Airport, shortening relocation times, improving the experience of pilots and crews, and easing the burden on maintenance crews when accessing these hangars or other areas.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Hangar 51S Connect Ramp to Hangar 3W Ramp	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ 40,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	40,000	-	-	-	40,000
Total	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ 40,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	New Runway/Taxiway	Aviation	Council District 2

Project Name: Runway 16/34 Pavement, Lighting, and Signage

Description: This project will provide a refresh of all major operational components of runway 16/34 at Meacham Airport. The project will be 90% grant-funded. Design in 2022 will be followed by construction in 2023.

Justification: These are all essential elements of maintaining a safe facility. Work on this runway began in 2004, and thus will be nearly 20 years old at the time of the project.

Projected Date Range: FY 2022 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Runway 16/34 Pavement, Lighting, and Signage	\$ -	\$ -	\$ -	\$ 150,000	\$ 1,500,000	\$ 1,650,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Aviation Gas Lease Cap Proj	-	-	-	15,000	150,000	165,000
TxDot Grants	-	-	-	135,000	1,350,000	1,485,000
Total	\$ -	\$ -	\$ -	\$ 150,000	\$ 1,500,000	\$ 1,650,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	New Runway/Taxiway	Aviation	Council District 2

Project Name: Runway Crack Seal/Slurry Coat/Markings

Description: This project will provide general repair and maintenance to concrete and surfaces across Spinks airport. This project will be 90% grant funded.

Justification: These changes will be both structural and aesthetic. Runway cracks and unclear markings are a significant safety hazard at an airport, especially on runways.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Runway Crack Seal/Slurry Coat/Markings	\$ -	\$ 585,000	\$ -	\$ -	\$ -	\$ 585,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	-	585,000	-	-	-	585,000
Total	\$ -	\$ 585,000	\$ -	\$ -	\$ -	\$ 585,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	New Runway/Taxiway	Aviation	Council District 2

Project Name: Taxiway Charlie Construction (Concrete)

Description: This project will complete Taxiway Charlie at Spinks Airport. This project will be 90% grant funded.

Justification: This follows another recent project, which was the design phase of Taxiway Charlie. This will be a new taxiway increasing navigability and ease of movement for planes preparing for takeoff and recently having landed.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Taxiway Charlie Construction (Concrete)	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ 1,200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	1,080,000	-	-	-	-	1,080,000
Future In-Kind	120,000	-	-	-	-	120,000
Total	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ 1,200,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	New Runway/Taxiway	Aviation	Council District 2

Project Name: Taxiway Bravo / North Extension

Description: This project will remove the current layer of concrete for Taxiway Bravo at Spinks Airport and replace it with new concrete. This project will be 90% grant funded.

Justification: Taxiway Bravo is still in good repair, but approaching the end of the useful life of its current layer of concrete. Cracked or tarnished concrete provides a host of risks to aircraft that are preparing for takeoff or recently having landed.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Taxiway Bravo / North Extension	\$ -	\$ -	\$ -	\$ 3,000,000	\$ -	\$ 3,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Aviation Gas Lease Cap Proj	-	-	-	300,000	-	300,000
TxDot Grants	-	-	-	2,700,000	-	2,700,000
Total	\$ -	\$ -	\$ -	\$ 3,000,000	\$ -	\$ 3,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	New Runway/Taxiway	Aviation	Council District 2

Project Name: Taxiway Echo - Remove/Construct (Concrete)

Description: This project will remove the current layer of concrete for Taxiway Echo at Spinks Airport and replace it with new concrete. This project will be 90% grant funded.

Justification: Taxiway Echo is still in good repair, but approaching the end of the useful life of its current layer of concrete. Cracked or tarnished concrete provides a host of risks to aircraft that are preparing for takeoff or recently having landed.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Taxiway Echo - Remove/Construct (concrete)	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Aviation Gas Lease Cap Proj	-	-	-	20,000	-	20,000
TxDot Grants	-	-	-	180,000	-	180,000
Total	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	New Runway/Taxiway	Aviation	Council District 2

Project Name: Taxiway Foxtrot - Remove/Construct (Concrete)

Description: This project will remove the current layer of concrete for Taxiway Foxtrot at Spinks Airport and replace it with new concrete. This project will be 90% grant funded.

Justification: Taxiway Foxtrot is still in good repair, but approaching the end of the useful life of its current layer of concrete. Cracked or tarnished concrete provides a host of risks to aircraft that are preparing for takeoff or recently having landed.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Taxiway Foxtrot - Remove/Construct (concrete)	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Aviation Gas Lease Cap Proj	-	-	-	20,000	-	20,000
TxDot Grants	-	-	-	180,000	-	180,000
Total	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Meacham Airport	Street Maint	Aviation	Council District 2

Project Name: North Main Street Improvements - Phase 3

Description: This project includes installing new curb and gutter systems to allow for proper storm drainage, burying the electrical lines and removing the existing poles, replacing all fencing with new black coated steel fence, installing new landscaping and irrigation, and replacing existing signage as well as adding new signage at the north and south ends of the Airport. The project will be funded by gas well revenue.

Justification: North Main Street, which runs along Meacham Airport, is one of the first or last impressions many people will have of Fort Worth. It was deemed in 2013 to be in inferior repair and in need of work to provide acceptable access to and from the airport. This is the third round of ongoing improvements to North Main Street.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
North Main Street Improvements - Phase 3	\$ -	\$ 4,200,000	\$ -	\$ -	\$ -	\$ 4,200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
TxDot Grants	-	4,200,000	-	-	-	4,200,000
Total	\$ -	\$ 4,200,000	\$ -	\$ -	\$ -	\$ 4,200,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

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Aviation Capital Improvement Plan

Spinks Airport Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Spinks Airport	Assessments	Airport Master Pl-Spinks Updat P_101757	300,000	-	-	-	-	300,000
		Purchase Equipment - Operations Vehicle	-	25,000	-	-	-	25,000
		Pavement Condition Index Study - Update (Spinks)	-	-	40,000	-	-	40,000
	Equipment	Spinks Equipment - Sweeper P_101746	25,000	-	-	-	-	25,000
		Spinks Eqmt-Pavement Cutter P_101751	20,000	-	-	-	-	20,000
		Purchase Equipment - Back-hoe (Spinks)	-	-	45,000	-	-	45,000
	Mjr Reno & Repair	Gate Operator Replacement	-	-	60,000	-	-	60,000
		East Side T-hangars - Lighting	-	-	50,000	-	-	50,000
Chapter Total			\$ 345,000	\$ 25,000	\$ 195,000	\$ -	\$ -	\$ 565,000

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	Capital Interfund Transfer Out	45,000	25,000	195,000	-	-	265,000
FAA Grants	Contrib From M-Airpt Grant Fed	270,000	-	-	-	-	270,000
Future In-Kind	In Kind - Contrib From Others	30,000	-	-	-	-	30,000
Total Funding Source		\$ 345,000	\$ 25,000	\$ 195,000	\$ -	\$ -	\$ 565,000

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Spinks Airport	Assessments	Aviation	Council District 2

Project Name: Airport Master Plan – Spinks Update

Description: Spinks Airport is in need of a new master plan as its needs evolve to serve a growing city and business environment. This master plan update will give new guidance to Spinks Airport the same way that the Meacham master plan recently paved the way for the new administration building.

Justification: With rapid development in south Fort Worth, this plan is a central piece of making Spinks a self-sustaining airport, which has traditionally received great assistance at the expense of Meacham Airport.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Airport Master PI-Spinks Updat P_101757	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FAA Grants	270,000	-	-	-	-	270,000
Future In-Kind	30,000	-	-	-	-	30,000
Total	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Spinks Airport	Assessments	Aviation	Council District 6

Project Name: Purchase Equipment - Operations Vehicle

Description: This project will provide a new operations vehicle for Spinks Airport, used for short-distance transportation of employees across the airport’s property.

Justification: Spinks Airport is a growing operation with increasing demands of maintenance, surveying, and customer care. Purchase of this vehicle will support all functions of service provision at Spinks.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Purchase Equipment - Operations Vehicle	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ 25,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	25,000	-	-	-	25,000
Total	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ 25,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Spinks Airport	Assessments	Aviation	Council District 6

Project Name: Pavement Condition Index Study - Update (Spinks)

Description: In the near future, Spinks airport improvements will encompass the rehabilitation and replacement of a significant amount of pavement as identified in a Pavement Condition Index (PCI); the majority of it within aircraft ramp areas.

Justification: This study is needed to identify areas where the PCI is low enough that a replacement is needed. Persistently low PCI leads to dangerous conditions on runways where slips due to low traction, accidents, or aircraft damage due to holes are more likely.

Projected Date Range: FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Pavement Condition Index Study - Update (Spinks)	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ 40,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	40,000	-	-	40,000
Total	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ 40,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Spinks Airport	Equipment	Aviation	Council District 6

Project Name: Spinks Equipment - Sweeper

Description: This project will provide a new sweeper attachment to truck for Spinks Airport, used in clearing and cleaning runways.

Justification: Clean runways are an essential element in a safe and operational airport. By keeping runways free of man-made and weather-related debris, the street sweeper will play a part in this.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000

Spinks Equipment - Sweeper P_101746

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	25,000	-	-	-	-	25,000
Total	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Spinks Airport	Equipment	Aviation	Council District 6

Project Name: Spinks Equipment – Pavement Cutter

Description: This project will provide a pavement cutter for Spinks Airport, used in operational projects and routine maintenance throughout the facility.

Justification: There is a large amount of routine maintenance performed at each of Fort Worth’s airports that goes beyond the needs of human labor alone. By the purchase of the pavement cutter, a large amount of work can be done in-house rather than contracted out or elevated to the level of small capital projects.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Spinks Eqmt-Pavement Cutter P_101751	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	20,000	-	-	-	-	20,000
Total	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Spinks Airport	Equipment	Aviation	Council District 6

Project Name: Purchase Equipment – Back-hoe (Spinks)

Description: This project will provide a new back-hoe for Spinks Airport, used in small construction, demolition, clearing debris, and landscaping.

Justification: There is a large amount of routine maintenance performed at each of Fort Worth’s airports that goes beyond the needs of human labor alone. By the purchase of the backhoe, a large amount of work can be done in-house rather than contracted out or elevated to the level of small capital projects.

Projected Date Range: FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Purchase Equipment - Back-hoe (Spinks)	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ 45,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	45,000	-	-	45,000
Total	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ 45,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Spinks Airport	Mjr Reno & Repair	Aviation	Council District 6

Project Name: Gate Operator Replacement

Description: This will be a routine replacement of the gate operator at Spinks Airport, which is used nonstop as passengers come and go.

Justification: The presence of a gate at Spinks Airport limits access to approved entrants, which is especially important considering the sensitive nature that airports play in today's world. This is based on a standard schedule of the gate operator's useful life.

Projected Date Range: FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Gate Operator Replacement	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ 60,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	60,000	-	-	60,000
Total	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ 60,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Project Details

Plan	Chapter	Category	Department	Council District
Aviation	Spinks Airport	Mjr Reno & Repair	Aviation	Council District 6

Project Name: East Side T-Hangars - Lighting

Description: This will be a minor improvement completed on eastside hangars at Spinks Airport. This will include routine replacement of technology that has outlived its useful life and an overhaul of obsolete technology.

Justification: T-hangars are eligible for lease revenue, and are thus held to a high standard among all Fort Worth municipal airport facilities. This lighting upgrade will improve the desirability of leasing a Spinks T-hangar.

Projected Date Range: FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
East Side T-hangars - Lighting	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 50,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Airport	-	-	50,000	-	-	50,000
Total	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 50,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Projects in the Fort Worth Municipal Airports Capital Improvements Plan will not be subject to operating impact. Operating impact for those projects that impact Alliance Airport will be borne by Alliance Air Services, a private entity in charge of operations and day-to-day management of the airport. For all others, operating impact will occur beyond the scope of this plan or will be minor enough that the department may absorb it.

Public Events

FY 2019 – 2023

5 Year Capital Improvement Plan

Public Events 5 Year Capital Improvement Plan

Public Events 5 Year Capital Improvement Plan Summary

OVERVIEW

The Culture and Tourism Fund promotes increased economic activity through visitor spending generated by events held at the Fort Worth Convention Center (FWCC) and the Will Rogers Memorial Center (WRMC). The Convention and Visitors Bureau (CVB) contracts with the City to market the destination.

All activities are supported through the collection of the hotel/motel occupancy taxes, DFW revenue share and the revenues generated by events scheduled at the Fort Worth Convention Center and the Will Rogers Memorial Center. In Fiscal Year 2016, revenues from the DFW Revenue Sharing and 2% hotel occupancy tax of the total 9% collected, were segregated into separate funds in order to more accurately track the uses of the different revenue sources and restrictions. All revenue funds are administered by the Public Events Department.

The Public Events administration is responsible for operating and maintaining the FWCC, the WRMC, the Office of Outdoor Events and the Fort Worth Sports Authority. The FWCC and WRMC host national, regional and state conventions, conferences, world-class equestrian events, concerts, sporting events, theatrical performances, community events and the Southwestern Exposition and Livestock Show and many others.

The Convention and Visitors Bureau's contract with the City serves to enhance tourism and promote visitor activities in Fort Worth. The CVB also manages the full-time operations of the Fort Worth Herd.

FACILITIES

Fort Worth Convention Center - Purchased from Tarrant County in 1997, the City embarked on a major revitalization and renovation of the Fort Worth Convention Center. The venue encompasses over 180,000 square feet of contiguous exhibit space with 45,000 square feet of storage and docks, an Arena that will accommodate up to 13,000 people, a 28,160 square foot, Texas Contemporary Ballroom, 38 adaptable meeting rooms (60,000 square feet) and a 55,000 square foot events plaza.

Will Rogers Memorial Center - Established in 1936 to house events near downtown and in the Cultural District, the Will Rogers Memorial Center now attracts in excess of two million visitors each year. This 135-acre facility plays host to an extensive variety of social, cultural, educational, recreational and sporting events. However, major equestrian shows continue to be the primary commitment of the Center.

The Will Rogers Equestrian Center features three climate controlled show arenas, a sale arena, capacity for 2,500 horse stalls, multiple exercise arenas, permanent cattle pens and recreational vehicle accommodations. The heart of the facility is the historic Will Rogers Coliseum which is home for many equestrian and sporting events including the legendary Fort Worth Stock Show & Rodeo which celebrated its 120th year in 2016.

Cowtown Coliseum in the Stockyards National Historic District commemorated its 100th anniversary in 2008. Construction of the building began in 1907 and was completed in 1908 at a cost of \$250,000. The City of Fort Worth currently owns the familiar stucco building. Rodeo Plaza, Inc. (RPI) leases the facility and provides family oriented entertainment that represents the rich western cowboy culture and compliments the historical origins of the area. The city provides an annual subsidy of \$185,000 and RPI provides all other operating expenses and maintenance with the exception of expenses related to the central energy plant that is capped at \$12,000 per year and major capital projects. In addition to the Cowtown Coliseum, the lease premises include the Ride-Out Arena, Rodeo Plaza and old Mounted Patrol Facility.

Public Events 5 Year Capital Improvement Plan

CAPITAL IMPROVEMENT STRATEGY

In 2009, City Council amended the City's Financial Management Policy Statements to dedicate the revenue from the DFW Revenue Share for facility improvements at the Fort Worth Convention Center and Will Rogers Memorial Center. The Culture and Tourism Fund balance, accumulating from hotel occupancy taxes and facility revenues, has also provided funds for facility improvements.

The development and implementation of the five-year Capital Improvement Plan will ensure that the facilities are upgraded and maintained in order to meet the needs of the facility users and achieve the Department's Mission to provide an exceptional customer experience. The criteria for the plan were based on strategic communication with clients, completion of client surveys, visits to competing facilities, identification of aging systems and infrastructure, plus public/private partnerships with Events Facilities Fort Worth and the Fort Worth Stock Show.

Convention Center: An architectural study and analysis of the Convention Center commenced in October 2015 and was completed on May 11, 2016. The study reviewed the existing site conditions, including life safety, structural, electrical and HVAC systems as well as overall general condition of existing facility fixtures, finishes, materials and site accessibility. The study also examined all visible conditions and maintenance records. The final report includes recommendations, photos and illustrations of areas of concern, and estimates of probable remediation costs. The assessment identified 100 projects with probable costs of over \$22 million. Staff is currently analyzing the areas of insufficiency and will incorporate the projects in to the 5 Year CIP as funds become available based on priority.

Will Rogers Memorial Center: The architectural study and analysis of the Will Rogers Memorial Center commenced on February 1, 2016. Due to the size of the complex, the study is being completed in phases. At the end of each phase, a report was provided to staff. It was completed at the end of the 2017 calendar year. As with the Convention Center assessment, the projects will be incorporated into the 5 Year CIP as funds become available based on priority.

Cowtown Coliseum: The assessment of the Cowtown Coliseum was completed in July 2013. The project scope included a review of the overall condition of the facility as well as recommendations for repairs and an opinion of probable construction costs. The study encompassed structural, electrical, lighting and lighting controls, mechanical/plumbing and fire protection systems. The area of insufficiency with the highest priority was the replacement of air handlers and renovation of the central plant. The project began in FY2016 with the design phase and is anticipated to be completed in FY2018. Another high priority project in the assessment included the replacement of fire alarm system and life safety requirements such as emergency lighting, exiting, electrical systems and fire suppression. They are scheduled for FY2019.

Dickies Arena at WRMC: Two independent strategic feasibility studies indicated the need for a multipurpose arena to complement the Will Rogers Memorial Center. In 2014, the citizens of Fort Worth overwhelmingly approved three venue taxes to support financing of the \$450,000,000 arena and adjacent event support and parking facilities with a public contribution limited to \$225,000,000 and private sector participation for the remainder. The 9,300 fixed-seat state-of-the-art arena, with capacity for an additional 3,700 temporary seats, will bring concerts and larger entertainment events to the City and host community and school events as well as the Stock Show and Rodeo and will include support facilities and a public plaza. The construction of the parking garage commenced in early 2016 and was completed at the end of the 2017 calendar year. The construction on the arena is on track for a November 2019 opening.

Fort Worth Convention Center Phase III expansion and new 1,000 room convention hotel development: Multiple feasibility and economic impact studies indicated the need for a Phase 3 expansion of the convention center with additional exhibit and meeting space that would be flexible in order to accommodate larger exhibits or general sessions in order to attract more conventions. An additional 1,000 room convention hotel would also be needed to provide adequate hotel capacity to service existing and expanded conventions. The additional convention hotel along with an expanded convention center would provide two attractive

Public Events 5 Year Capital Improvement Plan

entrances and provide the ability to host multiple, simultaneous conventions. The strategy was to build the arena adjacent to the Will Rogers Memorial Center before removing the existing FWCC arena so that a venue would be available to host graduations, concerts and other events important to the community. A request for qualifications and proposals was issued in FY2016 for the development of a 1,000 room convention hotel, however, the project was suspended pending the determination of incentives that will be available for the development. The preferred design would realign Commerce Street to provide the hotel pad sites necessitating a Phase 3A convention center expansion with the removal of the exhibit annex, expansion of kitchen facilities and renovated dock area to be included with the hotel construction at a later date. The Phase 3B expansion of the convention center to replace the arena with additional exhibit, ballroom and meeting space is anticipated to commence in approximately 2022-2025 subject to debt service capacity.

CAPITAL REVENUE SOURCES

Fund Balance

In previous years, the Culture & Tourism Fund balance has served as the primary source of cash funding of capital projects in order to upgrade aging facilities and improve service delivery. Over \$6.1million was transferred to the Culture & Tourism Capital Project Fund to support the new Dickies Arena.

The current Financial Management Policy Statements require a fund balance of 16.67% which will be monitored to ensure the operations can weather any downturns. Excesses in future years could be used to continue capital investments.

DFW Revenue Share

In 1998, the City of Fort Worth entered into an agreement with the Cities of Euless and Dallas to provide for the sharing of DFW Rental Car taxes, plus incremental tax revenues generated by future economic development projects within the geographical boundaries of the Airport. Fort Worth also receives incremental taxes from other municipalities adjacent to the DFW Airport that are included in the DFW Revenue Share. In 2009, the City Council amended the City's Financial Management Policy Statements providing that the revenues from Dallas/Fort Worth Revenue Sharing be dedicated to facility improvements at the Fort Worth Convention Center and Will Rogers Memorial Center.

Currently the FY2018 budget is \$5.9 million. The revenue model sustains that revenue annually with no growth. With the opening of the DART train line to the airport, the anticipated TRE route in 2018, and the growth of the sharing market with services like Uber, it is expected that this could be a stagnant source of revenue going forward.

Hotel Occupancy Tax

On November 18, 1997, the City Council increased the Hotel Occupancy Tax Rate to 9% with 2% of the tax collected to be used only for the expansion of an existing convention center facility or pledging payment of revenue or revenue refunding bonds issued in accordance with state law for the construction of the expansion. In 2013, state law was amended to expand the list of allowed uses to include a "qualified project," which is a defined concept that encompasses the Venue Project that includes the New Dickies Arena adjacent to the Will Rogers Memorial Center (WRMC). On September 29, 2015, the Code of the City of Fort Worth was amended to add qualified projects as allowable expenditures for hotel occupancy taxes in excess of seven percent.

The revenue model projects growth of HOT within the Project Financing Zone (PFZ) to be 3.9% in demand. The non-PFZ hotels are anticipated to have 4.5% demand growth. This is a conservative estimate based on City-wide combined growth of 7% over the last decade, including significant downturns. The model does not include the addition of a Convention Center Hotel since it is anticipated that correlating revenue will be partially consumed by an incentive deal to straighten Commerce Street and establish quality standard of the facility.

Public Events 5 Year Capital Improvement Plan

Project Financing Zone No. 1

On October 23, 2013, (M&C G-18048) City Council adopted Ordinance No. 21011-10-2013 designated the Project Financing Zone Number One (PFZ#1) and identified two qualified projects under Section 351.1015(a) (5) of the Texas Tax Code. The two projects are the expansion of the Fort Worth Convention Center and the multipurpose arena including a livestock facility adjacent to the Will Rogers Memorial Center. The PFZ#1 encompasses the area within a three-mile radius of each of the qualified projects from which incremental State Hotel Occupancy Taxes, Mixed Beverage Taxes and State Sales Taxes generated at hotels within the PFZ will be allocated to the City to assist in the financing of costs associated with each project. In January 2014, the State Comptroller of Public Accounts began to deposit increment above the 2013 base year into an account that will assist in financing the qualified projects. To date approximately \$5 million has been distributed to the City. In FY2018, approximately \$2.6 million is budgeted to be expended.

Venue Taxes

On November 4, 2014, the citizens of Fort Worth overwhelmingly approved three venue taxes to support financing of the \$450,000,000 arena and adjacent event and parking support facilities with the public contribution limited to \$225,000,000 and private sector participation for the remainder. Those taxes may be levied when the arena opens and include a ticket tax, parking tax and stall tax. Collections are not anticipated until 2020. The City will use the taxes, when implemented, to support debt issuances related to the construction of the arena.

Public Events 5 Year Capital Improvement Plan

Public Events 5 Year Capital Improvement Plan - Chapter Summary

Public Events Plan	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Convention Ctr	280,000	5,330,000	2,130,000	30,000	530,000	8,300,000
Cowtown Col	350,000	-	-	-	-	350,000
New Arena	3,000,000	1,800,000	1,800,000	1,800,000	1,800,000	10,200,000
Will Rogers Memorial Col	3,923,273	1,350,000	3,000,000	1,400,000	-	9,673,273
Total Plan	\$ 7,553,273	\$ 8,480,000	\$ 6,930,000	\$ 3,230,000	\$ 2,330,000	\$ 28,523,273

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism Capital Interfund Transfer Out	3,030,000	1,830,000	1,830,000	1,830,000	1,830,000	10,350,000
Culture & Tourism 2% CY Hotel Capital Interfund Transfer Out	1,703,273	5,850,000	2,450,000	-	500,000	10,503,273
DFW Rev Sharing Capital Interfund Transfer Out	2,820,000	800,000	2,650,000	1,400,000	-	7,670,000
Total Funding Source	\$ 7,553,273	\$ 8,480,000	\$ 6,930,000	\$ 3,230,000	\$ 2,330,000	\$ 28,523,273

Public Events Capital Improvement Plan

Convention Center Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Convention Ctr	Mjr Reno & Repair	FWCC Roof Replacement	-	5,100,000	-	-	-	5,100,000
		Portable Meeting Room Chairs (11,000)	-	-	1,100,000	-	-	1,100,000
		Main Concourse Carpet Replacement	-	-	400,000	-	-	400,000
		Ceiling Replacements (11th, 12th, and 13th Streets)	-	-	-	-	300,000	300,000
		FWCC Tables replacement	-	-	400,000	-	-	400,000
	Minor Reno & Repair	FWCC Minor Renovation & Repair P_P00053	280,000	230,000	230,000	30,000	230,000	1,000,000
Chapter Total			\$ 280,000	\$ 5,330,000	\$ 2,130,000	\$ 30,000	\$ 530,000	\$ 8,300,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism Capital Interfund Transfer Out	30,000	30,000	30,000	30,000	30,000	150,000
Culture & Tourism 2% CY Hotel Capital Interfund Transfer Out	250,000	5,300,000	2,100,000	-	500,000	8,150,000
Total Funding Source	\$ 280,000	\$ 5,330,000	\$ 2,130,000	\$ 30,000	\$ 530,000	\$ 8,300,000

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Convention Ctr	Mjr Reno & Repair	Culture & Tourism	Council District 9

Project Name: FWCC Roof Replacement

Description: Replace majority of the roof at the FWCC. This project does not include a new roof for the FWCC arena or the arena meeting rooms.

Justification: Portions of the roof are over 30 years old while other sections will be approaching 20-25 years old by the time of replacement in FY 2020.

Projected Date Range: FY 2019 – FY 2021. There will be minimal disruptions. Contractors will work around existing events including the Stock Show.

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FWCC Roof Replacement	\$ -	\$ 5,100,000	\$ -	\$ -	\$ -	\$ 5,100,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism 2% CY Hotel	-	5,100,000	-	-	-	5,100,000
Total	\$ -	\$ 5,100,000	\$ -	\$ -	\$ -	\$ 5,100,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Convention Ctr	Mjr Reno & Repair	Culture & Tourism	Council District 9

Project Name: Portable Meeting Room Chairs (11,000)

Description: Replace all 11,000 banquet/stacking chairs within the FWCC.

Justification: The chairs will be 20 years old by the time of this project. Clients will appreciate the new chairs to improve their customer experience.

Projected Date Range: FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Portable Meeting Room Chairs (11,000)	\$ -	\$ -	\$ 1,100,000	\$ -	\$ -	\$ 1,100,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism 2% CY Hotel	-	-	1,100,000	-	-	1,100,000
Total	\$ -	\$ -	\$ 1,100,000	\$ -	\$ -	\$ 1,100,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Convention Ctr	Mjr Reno & Repair	Culture & Tourism	Council District 9

Project Name: Main concourse carpet replacement

Description: Replace the custom carpet on the lower level of the main concourse at FWCC.

Justification: The carpet will be more than 10 years old by the time of this project. The new carpet will increase the client satisfaction with our facility. It will be aesthetically pleasing.

Projected Date Range: October 1, 2020 – September 30, 2021. Installers will work around events. Shipping will take 8-16 weeks.

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Main concourse carpet replacement	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ 400,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism 2% CY Hotel	-	-	400,000	-	-	400,000
Total	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ 400,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Convention Ctr	Mjr Reno & Repair	Culture & Tourism	Council District 9

Project Name: Convention Center Ceiling Replacements (11th, 12th, and 13th Streets)

Description: Replacing the sheet rock ceilings in those entries with a lay in ceiling.

Justification: Sheet rock ceilings continue to be damaged with leaks and are difficult to repair while lay in ceilings are much easier to maintain.

Projected Date Range: January 2023 – June 2024. 18 months to complete, contractor will have to work around events scheduled.

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Ceiling Replacements (11th, 12th, and 13th Streets)	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism 2% CY Hotel	-	-	-	-	300,000	300,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Convention Ctr	Mjr Reno & Repair	Culture & Tourism	Council District 9

Project Name: FWCC Tables Replacement

Description: Replacement of old worn out tables for client use.

Justification: Tables have not been replaced since 2000. New tables will improve our customer service scores and the client experience.

Projected Date Range: FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FWCC Tables replacement	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ 400,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism 2% CY Hotel	-	-	400,000	-	-	400,000
Total	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ 400,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Convention Ctr	Minor Reno & Repair	Culture & Tourism	Council District 9

Project Name: FWCC Minor Renovation & Repair

Description: Programmable project with funding for minor renovation, rehabilitation, repairs and maintenance on existing systems, equipment and facilities with a cost less than \$250,000 per project at FWCC.

Justification: Funding for projects that fall under a general scope and in the case of the FWCC the dollar amount stated above that will see continual reinvestment over many years. As minor repairs come up, funds are available in the bucket. Roof repairs are identified in Project #100525. In this category included is an annual transfer from Operating Fund 20101 directly to the Smart City Technology upgrade activity. This is transferred out dollar for dollar received. In this program period the total will be \$150,000 at a minimum. The Star Tower Terrazzo floor replacement will replace the floor in the Star Tower near the 13th Street entrance. Considering the age of the facility it is always an improvement to the client experience.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FWCC Minor Renovation & Repair P_P00053	\$ 280,000	\$ 230,000	\$ 230,000	\$ 30,000	\$ 230,000	\$ 1,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism	30,000	30,000	30,000	30,000	30,000	150,000
Culture & Tourism 2% CY Hotel	250,000	200,000	200,000	-	200,000	850,000
Total	\$ 280,000	\$ 230,000	\$ 230,000	\$ 30,000	\$ 230,000	\$ 1,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a programmable project and will not incur operational costs.

Public Events 5 Year Capital Improvement Plan

Cowtown Coliseum Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Cowtown Col	Mjr Reno & Repair	Cowtown Coliseum Safety Upgrad P_101741	350,000	-	-	-	-	350,000
Chapter Total			\$ 350,000	\$ -	\$ -	\$ -	\$ -	-\$ 350,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism 2% CY Hotel Capital Interfund Transfer Out	350,000	-	-	-	-	350,000
Total Funding Source	\$ 350,000	\$ -	\$ -	\$ -	\$ -	-\$ 350,000

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Cowtown Col	Mjr Reno & Repair	Culture & Tourism	Council District 2

Project Name: Cowtown Coliseum Safety Upgrades

Description: Upgrade of life safety and fire suppression systems at the Cowtown Coliseum.

Justification: An assessment of the Cowtown Coliseum was completed in 2014. This project will address the recommendation made to improve the facility and infrastructure pertaining to fire suppression and customer safety.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Cowtown Coliseum Safety Upgrad P_101741	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism 2% CY Hotel	350,000	-	-	-	-	350,000
Total	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Public Events 5 Year Capital Improvement Plan

Dickies Arena Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
New Arena	New Public Events Facilities	New WRMC Arena P_C40004	3,000,000	1,800,000	1,800,000	1,800,000	1,800,000	10,200,000
Chapter Total			\$ 3,000,000	\$ 1,800,000	\$ 1,800,000	\$ 1,800,000	\$ 1,800,000	\$ 10,200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism	3,000,000	1,800,000	1,800,000	1,800,000	1,800,000	10,200,000
Capital Interfund Transfer Out						
Total Funding Source	\$ 3,000,000	\$ 1,800,000	\$ 1,800,000	\$ 1,800,000	\$ 1,800,000	\$ 10,200,000

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	New Arena	New Public Events Facilities	Culture & Tourism	Council District 7

Project Name: Dickies Arena

Description: This project was created as the holding place for cash contributed from Culture & Tourism operating funds to purchase the Bodycote property and relocation fees. Those expenses are complete and this is where the annual operating contribution is held. It will be used for reimbursement of 3rd party expenses or debt service payments. **This is not a construction project.**

Justification: Two independent strategic feasibility studies indicated the need for a multipurpose arena to complement Will Rogers Memorial Center. In 2014, the citizens of Fort Worth overwhelmingly approved three venue taxes to support financing of the \$450 M arena and adjacent event support and parking facilities with a public contribution limited to \$225 M and private sector participation for the remainder.

Projected Date Range: Ongoing Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
New WRMC Arena P_C40004	\$ 3,000,000	\$ 1,800,000	\$ 1,800,000	\$ 1,800,000	\$ 1,800,000	\$ 10,200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism	3,000,000	1,800,000	1,800,000	1,800,000	1,800,000	10,200,000
Total	\$ 3,000,000	\$ 1,800,000	\$ 1,800,000	\$ 1,800,000	\$ 1,800,000	\$ 10,200,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Public Events 5 Year Capital Improvement Plan

Will Rogers Memorial Coliseum Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Will Rogers Memorial Col	Mjr Reno & Repair	Richardson Bass Roof Repl P_101739	1,600,000	-	-	-	-	1,600,000
		Richardson Bass System Upgrade P_101740	870,000	-	-	-	-	870,000
		WRMC Chair Replacements 2019 P_101753	350,000	-	-	-	-	350,000
		Richardson Bass Roof Replacement (South)	-	-	1,300,000	-	-	1,300,000
		Marquee Upgrade	-	-	500,000	-	-	500,000
		Video Board Upgrade (Justin & Watt)	-	-	-	500,000	-	500,000
		Soundsystem Upgrade (Moncrief)	-	-	500,000	-	-	500,000
		Soundsystem Upgrade (Burnett)	-	-	-	900,000	-	900,000
		Amon Carter Lighting Upgrade	-	-	350,000	-	-	350,000
		Fire Alarm (3) Replacements	-	800,000	-	-	-	800,000
	Minor Reno & Repair	WRMC Minor Renovation & Repair P_P00054	1,103,273	550,000	350,000	-	-	2,003,273
Chapter Total			\$ 3,923,273	\$ 1,350,000	\$ 3,000,000	\$ 1,400,000	\$ -	\$ 9,673,273

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism 2% CY Hotel	Capital Interfund Transfer Out	1,103,273	550,000	350,000	-	-	2,003,273
DFW Rev Sharing	Capital Interfund Transfer Out	2,820,000	800,000	2,650,000	1,400,000	-	7,670,000
Total Funding Source		\$ 3,923,273	\$ 1,350,000	\$ 3,000,000	\$ 1,400,000	\$ -	\$ 9,673,273

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Will Rogers Memorial Col	Mjr Reno & Repair	Culture & Tourism	Council District 7

Project Name: Richardson Bass Roof Replacement (Barrell)

Description: Replace the barrel roof portion of the Richardson-Bass building which covers the Justin and West Arenas as well as the lobby spaces.

Justification: This roof was last replaced in 1995 after a hail storm and in need of replacement.

Projected Date Range: FY 2018 – FY 2019. Work around existing events including the Stock Show.

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Richardson Bass Roof Repl P_101739	\$ 1,600,000	\$ -	\$ -	\$ -	\$ -	\$ 1,600,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
DFW Rev Sharing	1,600,000	-	-	-	-	1,600,000
Total	\$ 1,600,000	\$ -	\$ -	\$ -	\$ -	\$ 1,600,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Will Rogers Memorial Col	Mjr Reno & Repair	Culture & Tourism	Council District 7

Project Name: Richardson Bass Sound System Upgrade

Description: Replace the sound system in the Richardson-Bass building.

Justification: Sound system needs to be updated to improve quality of sound and delivery.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Richardson Bass System Upgrade P_101740	\$ 870,000	\$ -	\$ -	\$ -	\$ -	\$ 870,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
DFW Rev Sharing	870,000	-	-	-	-	870,000
Total	\$ 870,000	\$ -	\$ -	\$ -	\$ -	\$ 870,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Will Rogers Memorial Col	Mjr Reno & Repair	Culture & Tourism	Council District 7

Project Name: WRMC Chair Replacements

Description: Replace 3,500 chairs at Will Rogers Memorial Complex.

Justification: The chairs are extremely old and worn out. New chairs will improve customer service scores and client satisfaction and comfort.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
WRMC Chair Replacements 2019 P_101753	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
DFW Rev Sharing	350,000	-	-	-	-	350,000
Total	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Will Rogers Memorial Col	Mjr Reno & Repair	Culture & Tourism	Council District 7

Project Name: Richardson Bass Roof Replacement (South)

Description: Replace the south roof of the Richardson-Bass building.

Justification: This portion of the roof is leaking but is over the cattle pens and was last replaced in 1995 after a hail storm. This will complete the roof replacement on the Richardson-Bass Building.

Projected Date Range: FY 2021. Work around existing events including the Stock Show.

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Richardson Bass roof replacement (south)	\$ -	\$ -	\$ 1,300,000	\$ -	\$ -	\$ 1,300,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
DFW Rev Sharing	-	-	1,300,000	-	-	1,300,000
Total	\$ -	\$ -	\$ 1,300,000	\$ -	\$ -	\$ 1,300,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Will Rogers Memorial Col	Mjr Reno & Repair	Culture & Tourism	Council District 7

Project Name: WRMC Marquee Upgrade

Description: Replace and/or upgrade the existing tri-sided marquee at the intersection of Lancaster & University.

Justification: Marquee was replaced in 2014, project would replace and or upgrade the electronics and/or software.

Projected Date Range: FY 2021. Estimated 8 months to complete.

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Marquee upgrade	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
DFW Rev Sharing	-	-	500,000	-	-	500,000
Total	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Will Rogers Memorial Col	Mjr Reno & Repair	Culture & Tourism	Council District 7

Project Name: Video Board Upgrade (Justin & Watt)

Description: Upgrade video boards at Justin and Watt Arenas.

Justification: Replace and/or upgrade electronic technology. Boards were replaced in 2017 CIP.

Projected Date Range: FY 2021. Estimated 8 months to complete.

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Video board upgrade (Justin & Watt)	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
DFW Rev Sharing	-	-	-	500,000	-	500,000
Total	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Will Rogers Memorial Col	Mjr Reno & Repair	Culture & Tourism	Council District 7

Project Name: Sound System Upgrade (Moncrief)

Description: Replace the sound system in the Moncrief building.

Justification: Upgrade technologies in sound system. The current systems are old and repair parts are nonexistent. This will Improve the client experience.

Projected Date Range: FY 2021 Estimated 9 months to complete project.

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Soundsystem upgrade (Moncrief)	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
DFW Rev Sharing	-	-	500,000	-	-	500,000
Total	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Will Rogers Memorial Col	Mjr Reno & Repair	Culture & Tourism	Council District 7

Project Name: Sound System Upgrade (Burnett)

Description: Replace the sound system in the Burnett building.

Justification: Upgrade technologies in sound system. The current systems are old and repair parts are nonexistent. This will improve the client experience.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Soundsystem upgrade (Burnett)	\$ -	\$ -	\$ -	\$ 900,000	\$ -	\$ 900,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
DFW Rev Sharing	-	-	-	900,000	-	900,000
Total	\$ -	\$ -	\$ -	\$ 900,000	\$ -	\$ 900,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Will Rogers Memorial Col	Mjr Reno & Repair	Culture & Tourism	Council District 7

Project Name: Amon Carter Lighting Upgrade

Description: Replace existing building lighting with energy saving LED lights.

Justification: New lights will create even lighting and generate an anticipated 25-35% savings in energy and maintenance costs.

Projected Date Range: FY 2021 Work around events on schedule and the Stock Show.

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Amon Carter Lighting upgrade	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ 350,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
DFW Rev Sharing	-	-	350,000	-	-	350,000
Total	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ 350,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Will Rogers Memorial Col	Mjr Reno & Repair	Culture & Tourism	Council District 7

Project Name: WRMC Fire Alarm (3) Replacements

Description: Replace fire alarm systems in the Richardson Bass, Moncrief and Amon Carter buildings. Systems will have reached end of life by the time of this project in 2020.

Justification: A WRMC assessment was completed in 2018 and this was a priority as it is a safety impact for employees and clients.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Fire Alarm (3) Replacements	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ 800,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
DFW Rev Sharing	-	800,000	-	-	-	800,000
Total	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ 800,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Public Events	Will Rogers Memorial Col	Minor Reno & Repair	Culture & Tourism	Council District 7

Project Name: WRMC Minor Renovation & Repair

Description: Programmable project with funding for minor renovation, rehabilitation, repairs and maintenance on existing systems, equipment and facilities with a cost less than \$250,000 per project at WRMC.

Justification: Funding for projects that fall under a general scope and in the case of the WRMC the dollar amount stated above that will see continual reinvestment over many years.

Plans include, but are not limited to:

Annual \$200,000 towards the WRMC Sprinkler project of the barns. Project #100222

Annual \$50,000 towards the WRMC Roof repairs. Project #100238

Reserves of \$930,000 for unforeseen and unplanned capital replacements

Replacement and repair of the auditorium stage floor, Table replacements, Moncrief air handler replacements

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
WRMC Minor Renovation & Repair P_P00054	\$ 1,103,273	\$ 550,000	\$ 350,000	\$ -	\$ -	\$ 2,003,273

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism 2% CY Hotel	1,103,273	550,000	350,000	-	-	2,003,273
Total	\$ 1,103,273	\$ 550,000	\$ 350,000	\$ -	\$ -	\$ 2,003,273

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a programmable project and will not incur operational costs.

General

FY 2019 – 2023

5 Year Capital Improvement Plan

General 5 Year Capital Improvement Plan

General 5 Year Capital Improvement Plan Summary

OVERVIEW

Multiple Departments fall within the City's General CIP. These Departments include: Communication and Public Engagement, Fire, Information Technology Solutions, Library, Neighborhood Services, Park and Recreation (including Golf), Police, Property Management, and Transportation and Public Works.

Communication Equipment

The Communication and Public Engagement Department's CIP contains \$5.1M in planned expenditures over the five year period for Cable and Video Communications – FWTV. These capital expenditures enable the sustainment and enhancement of transparent information to citizens through the replacement and upgrade of technology in direct support of the City Council. All capital expenses for FWTV are paid through PEG fees paid to the city by the local cable provider. Approximately \$1.2 million dollars in PEG fees is received each year. These fees are put into a special fund for FWTV Capital purchases. PEG fees must be spent in accordance with Federal law, which stipulates that they cannot be used for any expense that is not considered a capital expenditure,

Fire Apparatus

The FY 2019 – FY 2023 CIP for fire apparatus contains total planned expenditures of \$25.9M over the five year period. These fiscal resources reflect the city's commitment to replace apparatus fleet and enables the continued delivery of public safety to the community. The five-year CIP provides for the continued implementation of annual fire apparatus replacement plan. The FWFD apparatus replacement plan began in 1999 and is designed to provide consistent, scheduled replacement of front-line emergency response apparatus to avoid crisis replacement that would require emergency funding and to maintain a safe and efficient apparatus fleet. FWFD currently provides emergency response services from 43 fire stations and has 145 fire apparatus with a front-line life cycle of 10-12 years and an additional 5-8 years as a reserve apparatus. Funding is proposed utilizing equipment tax notes.

Police Vehicles and Equipment

The Police Departments CIP for vehicles and equipment contains planned expenditures of \$52.9M over the five-year period. Police vehicles are primarily purchased and replaced through the Vehicle Replacement Program in the Crime Control and Prevention District (CCPD). The Crime Control and Prevention District (CCPD), establishing a ½ cent sales tax dedicated to crime prevention, was approved by the Fort Worth community through an election in 1995. The District has since been renewed by voters in 2000, 2005, 2009, and 2014 for subsequent five-year periods. Revenue from the ½ cent sales tax serves a vital role in providing the necessary resources to effectively implement the capital improvement plan in all categories: vehicles, facilities, equipment, and technology.

The Police Department formulated a vehicle replacement plan that would allow the modernization of the fleet with the goal of no assigned patrol car to have more than 100,000 miles. To maintain this plan, it is necessary to consistently purchase fleet replacement vehicles and move higher-mileage cars to units that have less demanding operational needs. The replacement plan focuses on the front-line patrol vehicles as these are operated around-the-clock with very little downtime. In addition, unmarked, undercover and specialized vehicles are replaced as needed for police operations. The approved CIP funding and the established vehicle rotation schedule will ensure and optimize officer safety, operational costs, and resale value.

The Police Department utilizes a wide variety of specialized equipment in its operational units. The provision of safe and up-to-date equipment to sworn officers, and support staff, enables the continued delivery of all aspects of public safety to the community.

General 5 Year Capital Improvement Plan

City Facilities

The Property Management Department is responsible for managing building maintenance and repair, facility planning as well as architectural and construction management services for City facilities. The FY 2019 – FY 2023 Capital Improvement Plan (CIP) contains total planned expenditures of \$19.8M over the five year period. These fiscal resources reflect the Department's commitment to maintain approximately 3 million sq. ft. of City facilities. The CIP reflects a sustained commitment to the upkeep of City facilities including projects such as facilities renovation and remodel, HVAC and plumbing improvements, structural repairs, roof replacement, carpet and hard floor replacement.

Future Capital

The FY 2019 – FY 2023 CIP contains planned appropriations of over \$3.6M for future community partnerships. The city has committed these monies to be available to use in conjunction with community partners for joint capital improvement projects.

Park & Recreation (including Golf Course)

The Park and Recreation and Golf FY 2019 – FY 2023 CIP represents the Department's roadmap for future project expenditures for city-wide Park System improvements and Golf capital improvements. City-wide Park System capital improvements total \$47.2M and \$905k in Golf capital improvements over the five year period. These fiscal resources reflect the Department's commitment to replacement and renovation of existing park and golf infrastructure as well as provide new facilities for developing and redeveloping areas. Specifically, the CIP includes improvements such as erosion repair, road and parking lot repaving projects, playground replacement projects, development of new athletic field facilities, construction and sustainment of walks and trails, installation of security lighting, irrigation improvements, and development of reserve parks.

Information Technology

The Information Technology FY 2019 – FY 2023 CIP contains planned expenditures totaling \$42.6M over the 5-year period. The major categories of the City's investments in technology include: (1) Funding to replace, upgrade or repair PCs and laptops and associated network devices; (2) Funding to maintain and improve the City's core technical infrastructure. The computing environment is highly centralized leveraging a shared infrastructure; (3) Funding to maintain and improve the City's software based information systems. These include citizen facing systems as well as enterprise wide systems for all departments and department specific systems. These systems are managed on a system upgrade schedule with major projects being identified as needed; and (4) Funding to upgrade or replace major computer systems across departments or across the enterprise. The scope of the systems either benefit the entire organization or support large departmental operations that require significant investments in resources and time.

The IT Solutions Department strives to contribute to the City's strategic goals, mission and vision by implementing innovative state-of-the-art solutions. One of the primary roles of the department is to guide the use of technology for the City by listening to the business and operational needs of departments and implement enterprise solutions that will benefit the whole organization. The capital planning process allows IT Solutions and user departments to identify needs that are coordinated, prioritized and presented to the City leadership during the budget / capital planning process for approval.

The development and implementation of the five-year Capital Improvement Plan ensures that technology is upgraded and maintained in order to meet the needs of the departments and citizens. In addition, the City intends to leverage new technology to improve efficiency and meet the business needs of the organization. These CIP initiatives will ensure that the department can not only continue to support current systems but will also grow them to meet the technology needs of the City's departments.

General 5 Year Capital Improvement Plan

Neighborhood Improvement

The five-year CIP for the Neighborhood Improvement reflects the City's sustained commitment to the use of capital funding to support both Neighborhood Improvement Strategies (NIS) and alleyway maintenance. The five-year total for both NIS and alleyway maintenance is slightly more than \$17.0M. While the specific improvements will be tailored to the need in each neighborhood and alleyway, activities supported by these funds include (but are not limited to) substandard building abatement, urban forestry to improve roadside conditions, streetlight installation, and security camera installation. The five-year CIP enables the use of capital monies for demonstrable, lasting improvements in the community and reflects the commitment of the Neighborhood Services Department to make neighborhoods cleaner and safer, both now, and in the future.

Transportation

The Street System FY 2019 – FY 2023 CIP contains planned appropriations of over \$259.9M. The Street System serves all modes of transportation - vehicles, pedestrians, bicycles and public transportation providers, creating a mobile community that stimulates economic growth, revitalizing existing development, developing City growth centers, and building strong neighborhoods. Continued investment in the street infrastructure is critical to ensure that existing assets are functioning at their desired level and that new streets and facilities are added to serve the continued economic development and growth of the City and region.

VERF

The FY 2019 – FY 2023 Vehicle Equipment Replacement Fund (VERF) CIP contains planned appropriations of over \$15.8M to manage the acquisition of the City's rolling stock, which includes automobiles, motorcycles, specialized mobile equipment and other motor driver capital assets.

General 5 Year Capital Improvement Plan

General 5 Year Capital Improvement Plan – Chapter Summary

General Plan	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Capital Outlay	17,453,287	16,389,751	17,430,879	16,767,494	16,902,374	84,943,785
City Facilities	3,660,000	3,805,000	3,956,000	4,112,000	4,275,000	19,808,000
Future Capital Imp Prj	610,000	750,000	750,000	750,000	750,000	3,610,000
Golf Course	135,000	40,000	105,000	225,000	400,000	905,000
Information Technology	8,045,010	10,233,403	8,880,650	8,329,650	7,124,311	42,613,024
Parks & Recreation	19,116,034	11,158,854	7,439,988	4,351,983	5,156,750	47,223,609
Transportation	61,334,000	58,410,000	60,852,000	48,488,000	30,794,000	259,878,000
Neighborhood Imp	3,147,000	3,272,000	3,401,000	3,537,000	3,678,000	17,035,000
VERF	3,123,200	3,123,686	3,123,686	3,200,000	3,200,000	15,770,572
Total Plan	\$116,623,531	\$107,182,694	\$105,939,203	\$ 89,761,127	\$ 72,280,435	\$491,786,990

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund Capital Interfund Transfer Out	43,896,200	44,751,203	46,336,000	48,738,233	50,059,737	233,781,373
General Fund IT Refresh Transfer Out	1,694,551	1,387,537	1,407,019	1,384,794	1,458,240	7,332,141
Crime Control & Prev Distr Capital Interfund Transfer Out	13,711,335	14,786,704	13,325,154	12,635,154	10,955,154	65,413,501
Crime Control & Prev Distr IT Refresh Transfer Out	274,042	497,598	431,806	468,941	543,035	2,215,422
Culture & Tourism Capital Interfund Transfer Out	83,000	123,686	123,686	200,000	200,000	730,372
Culture & Tourism IT Refresh Transfer Out	8,125	19,755	-	-	-	27,880
Municipal Golf IT Refresh Transfer Out	1,273	19,755	4,165	-	-	25,193
Botanic Gardens Specl Revenue Capital Interfund Transfer Out	250,000	241,900	195,000	150,000	-	836,900
Environmental Protection IT Refresh Transfer Out	8,962	988	-	-	-	9,950
Red Light Enforcement Program IT Refresh Transfer Out	-	-	6,529	-	-	6,529
Special Purpose Cable T.V Proj	850,000	750,000	1,800,000	850,000	850,000	5,100,000
Stormwater Utility IT Refresh Transfer Out	15,441	52,620	29,041	85,002	1,154	183,258
Solid Waste Fund IT Refresh Transfer Out	15,420	1,798	74,497	6,439	31,391	129,545
Municipal Parking Fund IT Refresh Transfer Out	-	988	7,616	-	7,795	16,399
Municipal Airport IT Refresh Transfer Out	5,629	11,716	7,376	9,421	8,309	42,451
Fleet & Equipment Serv IT Refresh Transfer Out	18,905	6,072	36,090	61,377	40,806	163,250
Capital Projects Service Capital Intrafund Transfer Out	513,000	500,000	500,000	500,000	500,000	2,513,000
Capital Projects Service IT Refresh Transfer Out	136,154	-	20,971	6,078	-	163,203
Group Health Insurance Fund IT Refresh Transfer Out	14,376	-	-	19,958	2,097	36,431
Risk Financing IT Refresh Transfer Out	2,932	7,173	1,890	4,990	2,097	19,082
Special Donations Cap Projects Contributions From Others	26,250	26,250	26,250	26,250	26,250	131,250
Special Donations Cap Projects Developer Cash Contributions	2,500	2,500	2,500	2,500	2,500	12,500
PACS Dedication Fees Unspec Project	985,920	600,000	-	-	75,000	1,660,920
PACS Dedication Fees Neighborhood Unit 1-17	-	-	58,238	-	-	58,238
PACS Dedication Fees Neighborhood Unit 2-27	-	229,452	-	-	-	229,452

General 5 Year Capital Improvement Plan

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	Neighborhood Unit 2-28	-	132,479	-	-	-	132,479
PACS Dedication Fees	NU 5-03 Marine Creek Rance Library	-	246,600	-	-	-	246,600
PACS Dedication Fees	UN8043 Neighborhood Unit 5-09	-	135,000	-	-	-	135,000
PACS Dedication Fees	NU 6-22 Coventry Hills & Tarrant Park Vista Study	-	66,533	-	-	-	66,533
PACS Dedication Fees	NU 6-23 Bear Creek Vista	-	54,720	-	-	-	54,720
Grants Cap Projects Federal	Intrgv Rev - TXDOT	11,500,000	-	-	-	-	11,500,000
PACS Gas Lease Cap Projects	Unspec Project	40,423	225,632	-	-	-	266,055
Muni Golf Gas Lease Cap Proj	UNSGAS Project	135,000	40,000	105,000	225,000	400,000	905,000
2018 Bond Program	Proceeds From Sale Of Bonds	31,350,000	37,035,000	36,275,000	18,875,000	-	123,535,000
Specially Funded Projects	Lease Revenue	30,000	30,000	-	60,000	30,000	150,000
Trans Impact Fee Cap Legacy	Transportation Impact Fee	5,250,000	-	-	-	-	5,250,000
PACS Gas Lease Cap Proj	UNSGAS Project	500,531	-	-	-	-	500,531
Legacy							
PACS Gas Lease Cap Proj	Unspec Project	12,410	24,788	-	-	-	37,198
Legacy							
Future Grants	Intrgv Rev - FBI	515,472	207,540	-	80,000	-	803,012
Future Bond	Proceeds From Sale Of Bonds	-	-	-	-	1,500,000	1,500,000
7 Year Equipment Tax Notes	Proceeds From Tax Notes	4,775,680	4,966,707	5,165,375	5,371,990	5,586,870	25,866,622
Total Funding Source		\$116,623,531	\$107,182,694	\$105,939,203	\$ 89,761,127	\$ 72,280,435	\$491,786,990

General Capital Improvement Plan

Capital Outlay Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Capital Outlay	Equipment	Equipment-Police P_P00033	515,472	207,540	-	80,000	-	803,012
	Technology Infrast	Public Education & Gov't (PEG) P_100536	850,000	750,000	1,800,000	850,000	850,000	5,100,000
	Vehicles	Vehicles-Police P_P00035	11,050,135	10,465,504	10,465,504	10,465,504	10,465,504	52,912,151
		Annual Fire Apparatus Replacem P_P00036	4,775,680	4,966,707	5,165,375	5,371,990	5,586,870	25,866,622
		Vehicles-Capital Proj Srvs P_P00073	262,000	-	-	-	-	262,000
Chapter Total			\$ 17,453,287	\$ 16,389,751	\$ 17,430,879	\$ 16,767,494	\$ 16,902,374	\$ 84,943,785

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
Crime Control & Prev Distr	Capital Interfund Transfer Out	11,050,135	10,465,504	10,465,504	10,465,504	10,465,504	52,912,151
Special Purpose	Cable T.V Proj	850,000	750,000	1,800,000	850,000	850,000	5,100,000
Capital Projects Service	Capital Intrafund Transfer Out	262,000	-	-	-	-	262,000
Future Grants	Intrgv Rev - FBI	515,472	207,540	-	80,000	-	803,012
7 Year Equipment Tax Notes	Proceeds From Tax Notes	4,775,680	4,966,707	5,165,375	5,371,990	5,586,870	25,866,622
Total Funding Source	Income	\$ 17,453,287	\$ 16,389,751	\$ 17,430,879	\$ 16,767,494	\$ 16,902,374	\$ 84,943,785

Project Details

Plan	Chapter	Category	Department	Council District
General	Capital Outlay	Equipment	Police	Citywide

Project Name: Equipment-Police

Description: The bucket provides for the various equipment needs of the police department related to areas such as tactical operations, investigative and support functions, communications, and traffic/special events management.

Justification: This equipment gives the police department the tools needed to investigate and address crime and serve citizens in Fort Worth. Like all capital needs, equipment needs are submitted internally as requests and prioritized through the department’s annual needs assessment process.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Equipment-Police P_P00033	\$ 515,472	\$ 207,540	\$ -	\$ 80,000	\$ -	\$ 803,012

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Future Grants	515,472	207,540	-	80,000	-	803,012
Total	\$ 515,472	\$ 207,540	\$ -	\$ 80,000	\$ -	\$ 803,012

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	10100	035	\$ 15,000	
Total			\$ 15,000	

Impact Comments: The amount quoted here covers the estimated maintenance agreements on the equipment that requires them, based on the requesting unit’s needs assessment detail.

Project Details

Plan	Chapter	Category	Department	Council District
General	Capital Outlay	Technology Infrast	Communications & Public Engagement	Citywide

Project Name: Public Education & Gov't (PEG)

Description: The Cable Communications Fund receives funding from Public, Educational, and Governmental (PEG) fees from cable subscribers. Due to changes in state legislation, the PEG revenues can only be used for equipment replacement and other capital expenses.

Justification: Funding is from the Special Purpose Fund, City's Public, Education and Governmental (PEG) Fee. Sufficient funds have accumulated in the PEG Fee accounts to finance the City's Cable Facility enhancement project.

Projected Date Range: FY 2019 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Public Education & Gov't (PEG) P_100536	\$ 850,000	\$ 750,000	\$ 1,800,000	\$ 850,000	\$ 850,000	\$ 5,100,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Special Purpose	850,000	750,000	1,800,000	850,000	850,000	5,100,000
Total	\$ 850,000	\$ 750,000	\$ 1,800,000	\$ 850,000	\$ 850,000	\$ 5,100,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Capital Outlay	Vehicles	Police	Citywide

Project Name: Vehicles-Police

Description: A routine replacement of the Police automobile and motorcycle fleet, which keeps officers in safe and high-performance vehicles for completion of their duties. These purchases are made with funding from the CCPD fund pay-as-you-go money. This project would also include the addition of fleet with additional personnel or units, as the budget allows after replacements are made on schedule.

Justification: This is based on a standard schedule of vehicle aging and replacement needs. As vehicles acquire enough mileage, they are more expensive to maintain than the purchase of a new vehicle. This is an ongoing annual project.

Projected Date Range: FY 2019 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Vehicles-Police P_P00035	\$ 11,050,135	\$ 10,465,504	\$ 10,465,504	\$ 10,465,504	\$ 10,465,504	\$ 52,912,151

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Crime Control & Prev Distr	11,050,135	10,465,504	10,465,504	10,465,504	10,465,504	52,912,151
Total	\$ 11,050,135	\$ 10,465,504	\$ 10,465,504	\$ 10,465,504	\$ 10,465,504	\$ 52,912,151

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Because this project deals primarily with replacement of existing vehicles, the operating budget already accounts for the ESD and fuel related costs. If fleet additions are made, there will be an associated operating impact for ESD and fuel related costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Capital Outlay	Vehicles	Fire	Citywide

Project Name: Annual Fire Apparatus Replacements

Description: Programmable project with funding set aside to address routine replacement of Fire Apparatus using Tax Notes.

Justification: Capital asset purchases support operations and maintenance of the Fire Department mainly for routine replacement of Fire apparatus and vehicles.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Annual Fire Apparatus Replacem P_P00036	\$ 4,775,680	\$ 4,966,707	\$ 5,165,375	\$ 5,371,990	\$ 5,586,870	\$ 25,866,622

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
7 Year Equipment Tax Notes	4,775,680	4,966,707	5,165,375	5,371,990	5,586,870	25,866,622
Total	\$ 4,775,680	\$ 4,966,707	\$ 5,165,375	\$ 5,371,990	\$ 5,586,870	\$ 25,866,622

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Capital Outlay	Vehicles	Transportation & Public Works	Citywide

Project Name: Vehicles-Capital Project Services

Description: Programmable project with funding set aside to address routine replacement of Vehicles and equipment for the Capital Projects Service Fund using Paygo funding.

Justification: Capital asset purchases support operations and maintenance of the Capital Projects Service Fund including routine replacement of vehicles, minor tools & equipment.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Vehicles-Capital Proj Srvs P_P00073	\$ 262,000	\$ -	\$ -	\$ -	\$ -	\$ 262,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Capital Projects Service	262,000	-	-	-	-	262,000
Total	\$ 262,000	\$ -	\$ -	\$ -	\$ -	\$ 262,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

General Capital Improvement Plan

City Facilities Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
City Facilities	Minor Reno & Repair	Recurring Facility Mtn & Rpr P_P00049	2,101,000	2,185,000	2,272,000	2,362,000	2,456,000	11,376,000
		Roof Repair & Replace Citywide P_P00082	690,000	717,000	745,000	774,000	804,000	3,730,000
		Minor Repair & Renovate Cityw P_P00083	869,000	903,000	939,000	976,000	1,015,000	4,702,000
Chapter Total			\$ 3,660,000	\$ 3,805,000	\$ 3,956,000	\$ 4,112,000	\$ 4,275,000	\$ 19,808,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	3,660,000	3,805,000	3,956,000	4,112,000	4,275,000	19,808,000
Capital Interfund Transfer Out						
Total Funding Source	\$ 3,660,000	\$ 3,805,000	\$ 3,956,000	\$ 4,112,000	\$ 4,275,000	\$ 19,808,000

Project Details

Plan	Chapter	Category	Department	Council District
General	City Facilities	Minor Reno & Repair	Property Management	Citywide

Project Name: Recurring Facility Maintenance & Repair

Description: Programmable project with funding set aside to make major building repairs, maintain or improve major building systems and components, and to replace building equipment at City facilities.

Justification: These projects are to make major building repairs, maintain or improve major building systems and components, and to replace building equipment that has reached the end of its life expectancy. Major repairs and maintenance include foundation and structural repairs, window replacement, plumbing and electrical improvements and repairs and parking lot resurfacing. Equipment replaced at various facilities include heating, ventilating and air conditioning, emergency generators and fire alarm Panels.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Recurring Facility Mtn & Rpr P_P00049	\$ 2,101,000	\$ 2,185,000	\$ 2,272,000	\$ 2,362,000	\$ 2,456,000	\$ 11,376,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	2,101,000	2,185,000	2,272,000	2,362,000	2,456,000	11,376,000
Total	\$ 2,101,000	\$ 2,185,000	\$ 2,272,000	\$ 2,362,000	\$ 2,456,000	\$ 11,376,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	City Facilities	Minor Reno & Repair	Property Management	Citywide

Project Name: Roof Repair & Replace - Citywide

Description: Programmable project with funding set aside for roof coating, roof repairs and replacements at City facilities.

Justification: These projects are to replace roofs which are at the end of their life expectancy, to make roof repairs and apply roof coatings which results in energy savings and extends the useful life of roofs.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Roof Repair & Replace Citywide P_P00082	\$ 690,000	\$ 717,000	\$ 745,000	\$ 774,000	\$ 804,000	\$ 3,730,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	690,000	717,000	745,000	774,000	804,000	3,730,000
Total	\$ 690,000	\$ 717,000	\$ 745,000	\$ 774,000	\$ 804,000	\$ 3,730,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	City Facilities	Minor Reno & Repair	Property Management	Citywide

Project Name: Minor Repair & Renovate - Citywide

Description: Programmable project with funding set aside for minor repairs and renovation of City facilities.

Justification: These projects are to make minor repair and renovation of City facilities and include projects such as elevator upgrades and repairs, energy efficient replacements and Municipal Complex landscaping.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Minor Repair & Renovate Cityw P_P00083	\$ 869,000	\$ 903,000	\$ 939,000	\$ 976,000	\$ 1,015,000	\$ 4,702,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	869,000	903,000	939,000	976,000	1,015,000	4,702,000
Total	\$ 869,000	\$ 903,000	\$ 939,000	\$ 976,000	\$ 1,015,000	\$ 4,702,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

General Capital Improvement Plan

Future Capital Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Future Capital Imp Community Prj	Partnerships	Future Community Partnerships P_P00047	610,000	750,000	750,000	750,000	750,000	3,610,000
Chapter Total			\$ 610,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,610,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	610,000	750,000	750,000	750,000	750,000	3,610,000
Capital Interfund Transfer Out						
Total Funding Source	\$ 610,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,610,000

Project Details

Plan	Chapter	Category	Department	Council District
General	Future Capital Imp Prj	Community Partnerships	Economic Development	Citywide

Project Name: Future Community Partnerships

Description: Provide funding for joint capital projects with community partners.

Justification: This project provides a holding place for monies the city has committed to be available to use in conjunction with community partners for capital improvements. The improvements are for the betterment of the City and its citizens.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Future Community Partnerships P_P00047	\$ 610,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,610,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	610,000	750,000	750,000	750,000	750,000	3,610,000
Total	\$ 610,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,610,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

General Capital Improvement Plan

Golf Course Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Golf Course	Redevelopment/Reno	Golf Improvements P_P00096	135,000	40,000	105,000	225,000	400,000	905,000
Chapter Total			\$ 135,000	\$ 40,000	\$ 105,000	\$ 225,000	\$ 400,000	\$ 905,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Muni Golf Gas Lease Cap Proj UNSGAS Project	135,000	40,000	105,000	225,000	400,000	905,000
Total Funding Source	\$ 135,000	\$ 40,000	\$ 105,000	\$ 225,000	\$ 400,000	\$ 905,000

Project Details

Plan	Chapter	Category	Department	Council District
General	Golf Course	Redevelopment/Reno	Park & Recreation	Citywide

Project Name: Golf Improvements

Description: Golf projects, including but not limited to, player development programs and infrastructure maintenance.

Justification: These projects are to address scheduled and resolve unforeseen issues that are discovered throughout the year.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Golf Improvements P_P00096	\$ 135,000	\$ 40,000	\$ 105,000	\$ 225,000	\$ 400,000	\$ 905,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Muni Golf Gas Lease Cap Proj	135,000	40,000	105,000	225,000	400,000	905,000
Total	\$ 135,000	\$ 40,000	\$ 105,000	\$ 225,000	\$ 400,000	\$ 905,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

General Capital Improvement Plan

Information Technology Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Information Technology	Technology Infrast	Capital Projects Svcs Business P_P00111	251,000	500,000	500,000	500,000	500,000	2,251,000
		Business Applications-IT P_P00037	829,686	389,968	338,424	630,052	310,769	2,498,899
		Technology Infrastructure-IT P_P00038	3,654,514	6,437,435	5,265,226	4,727,598	3,813,618	23,898,391
		PC Refresh - General - IT P_P00090	1,694,551	1,387,537	1,407,019	1,384,794	1,458,240	7,332,141
		PC Refresh - Other Funds - IT P_P00091	501,259	618,463	619,981	662,206	636,684	3,038,593
	ERP IT P_P00093	1,000,000	900,000	625,000	425,000	275,000	3,225,000	
	Vehicles	ITS Vehicles P_100286	114,000	-	125,000	-	130,000	369,000
Chapter Total			\$ 8,045,010	\$ 10,233,403	\$ 8,880,650	\$ 8,329,650	\$ 7,124,311	\$ 42,613,024

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	Capital Interfund Transfer Out	2,937,000	3,406,203	3,494,000	3,613,000	4,039,737	17,489,940
General Fund	IT Refresh Transfer Out	1,694,551	1,387,537	1,407,019	1,384,794	1,458,240	7,332,141
Crime Control & Prev Distr	Capital Interfund Transfer Out	2,661,200	4,321,200	2,859,650	2,169,650	489,650	12,501,350
Crime Control & Prev Distr	IT Refresh Transfer Out	274,042	497,598	431,806	468,941	543,035	2,215,422
Culture & Tourism	IT Refresh Transfer Out	8,125	19,755	-	-	-	27,880
Municipal Golf	IT Refresh Transfer Out	1,273	19,755	4,165	-	-	25,193
Environmental Protection	IT Refresh Transfer Out	8,962	988	-	-	-	9,950
Red Light Enforcement Program	IT Refresh Transfer Out	-	-	6,529	-	-	6,529
Stormwater Utility	IT Refresh Transfer Out	15,441	52,620	29,041	85,002	1,154	183,258
Solid Waste Fund	IT Refresh Transfer Out	15,420	1,798	74,497	6,439	31,391	129,545
Municipal Parking Fund	IT Refresh Transfer Out	-	988	7,616	-	7,795	16,399
Municipal Airport	IT Refresh Transfer Out	5,629	11,716	7,376	9,421	8,309	42,451
Fleet & Equipment Serv	IT Refresh Transfer Out	18,905	6,072	36,090	61,377	40,806	163,250
Capital Projects Service	Capital Intrafund Transfer Out	251,000	500,000	500,000	500,000	500,000	2,251,000
Capital Projects Service	IT Refresh Transfer Out	136,154	-	20,971	6,078	-	163,203
Group Health Insurance Fund	IT Refresh Transfer Out	14,376	-	-	19,958	2,097	36,431
Risk Financing	IT Refresh Transfer Out	2,932	7,173	1,890	4,990	2,097	19,082
Total Funding Source		\$ 8,045,010	\$ 10,233,403	\$ 8,880,650	\$ 8,329,650	\$ 7,124,311	\$ 42,613,024

Project Details

Plan	Chapter	Category	Department	Council District
General	Information Technology	Technology Infrast	Transportation & Public Works	Citywide

Project Name: Capital Project Services – Business Apps

Description: Programmable project with funding set aside to address routine Technology services, Technology outlay and software acquisition and updates for the Capital Projects Service Fund using Paygo funding.

Justification: Capital outlay purchases support operations and maintenance of the Capital Projects Service Fund including routine replacement of technology and software.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Capital Projects Svcs Business P_P00111	\$ 251,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,251,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Capital Projects Service	251,000	500,000	500,000	500,000	500,000	2,251,000
Total	\$ 251,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,251,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Information Technology	Technology Infrast	Information & Technology Solutions	Citywide

Project Name: Business Applications-IT

Description: Programmable project with funding set aside to respond to CFW department’s requests for software system implementations for the execution of a plan, idea, or design to address their operational processes and to improve efficiencies.

Justification: FY2019 CIP - Funding to maintain and improve the City’s software based information systems. These include citizen facing systems as well as enterprise wide systems for all departments as well as department specific systems. These systems are managed on a system upgrade schedule with major projects being identified as needed.
Funding to upgrade or replace major computer systems across departments or across the enterprise. The scope of the systems either benefit the entire organization or support large departmental operations that require significant investments in resources and time. In FY2018 major projects and system replacements that were initiated include: File Room Digitization, Capital Project Delivery tools for TPW, One Button for Code Compliance, and Incentive Management System for Economic Development.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Business Applications-IT P_P00037	\$ 829,686	\$ 389,968	\$ 338,424	\$ 630,052	\$ 310,769	\$ 2,498,899

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	564,686	294,968	243,424	535,052	215,769	1,853,899
Crime Control & Prev Distr	265,000	95,000	95,000	95,000	95,000	645,000
Total	\$ 829,686	\$ 389,968	\$ 338,424	\$ 630,052	\$ 310,769	\$ 2,498,899

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Information Technology	Technology Infrast	Information & Technology Solutions	Citywide

Project Name: Technology Infrastructure - IT

Description: Programmable project with funding to support IT Solutions ability to respond to CFW department’s requests for the collection of hardware, network and system implementations to develop, test, operate, monitor, manage and support information technology services.

Justification: FY2019 CIP - Funding to maintain and improve the City’s core technical infrastructure. The computing environment is highly centralized leveraging a shared infrastructure. The shared infrastructure takes advantage of economies of scale and efficiencies of resource consolidation to provide cost effective computing for Departments. The major components of enterprise infrastructure include network equipment, servers, storage systems, backup and recovery systems, licensing for enterprise services, security hardware and software, database platform and specialty equipment.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Technology Infrastructure-IT P_P00038	\$ 3,654,514	\$ 6,437,435	\$ 5,265,226	\$ 4,727,598	\$ 3,813,618	\$ 23,898,391

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	1,258,314	2,211,235	2,500,576	2,652,948	3,418,968	12,042,041
Crime Control & Prev Distr	2,396,200	4,226,200	2,764,650	2,074,650	394,650	11,856,350
Total	\$ 3,654,514	\$ 6,437,435	\$ 5,265,226	\$ 4,727,598	\$ 3,813,618	\$ 23,898,391

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Information Technology	Technology Infrast	Information & Technology Solutions	Citywide

Project Name: PC Refresh - General - IT

Description: Programmable project with funding to support IT Solutions' ability to provide CFW departments, that are within the General Fund, with computer equipment.

Justification: FY2019 – CIP Funding to replace, upgrade or repair PCs and laptops and associated network devices. Beginning in FY2017, funding for this equipment was appropriated in a Computer Equipment Refresh Fund Managed by IT Solutions as part of the IT Capital Program with the goal of minimizing the year-to-year variance in funding levels and ensuring the required technology is managed efficiently and appropriately.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PC Refresh - General - IT P_P00090	\$ 1,694,551	\$ 1,387,537	\$ 1,407,019	\$ 1,384,794	\$ 1,458,240	\$ 7,332,141

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	1,694,551	1,387,537	1,407,019	1,384,794	1,458,240	7,332,141
Total	\$ 1,694,551	\$ 1,387,537	\$ 1,407,019	\$ 1,384,794	\$ 1,458,240	\$ 7,332,141

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Information Technology	Technology Infrast	Information & Technology Solutions	Citywide

Project Name: PC Refresh – Other Funds - IT

Description: Programmable project with funding to support IT Solutions’ ability to provide departments not within the General Fund with computer equipment.

Justification: CIP Funding to replace, upgrade or repair PCs and laptops and associated network devices. Funding is appropriated in a Computer Equipment Refresh Fund Managed by IT Solutions as part of the IT Capital Program with the goal of minimizing the year-to-year variance in funding levels and ensuring the required technology is managed efficiently and appropriately.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PC Refresh - Other Funds - IT P_P00091	\$ 501,259	\$ 618,463	\$ 619,981	\$ 662,206	\$ 636,684	\$ 3,038,593

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Crime Control & Prev Distr	274,042	497,598	431,806	468,941	543,035	2,215,422
Culture & Tourism	8,125	19,755	-	-	-	27,880
Municipal Golf	1,273	19,755	4,165	-	-	25,193
Environmental Protection	8,962	988	-	-	-	9,950
Red Light Enforcement Program	-	-	6,529	-	-	6,529
Stormwater Utility	15,441	52,620	29,041	85,002	1,154	183,258
Solid Waste Fund	15,420	1,798	74,497	6,439	31,391	129,545
Municipal Parking Fund	-	988	7,616	-	7,795	16,399
Municipal Airport	5,629	11,716	7,376	9,421	8,309	42,451
Fleet & Equipment Serv	18,905	6,072	36,090	61,377	40,806	163,250
Capital Projects Service	136,154	-	20,971	6,078	-	163,203
Group Health Insurance Fund	14,376	-	-	19,958	2,097	36,431
Risk Financing	2,932	7,173	1,890	4,990	2,097	19,082
Total	\$ 501,259	\$ 618,463	\$ 619,981	\$ 662,206	\$ 636,684	\$ 3,038,593

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Information Technology	Technology Infrast	Information & Technology Solutions	Citywide

Project Name: ERP-IT

Description: Programmable project with funding to support IT Solutions' ability to design, develop and execute Enterprise Resource Planning systems that address operational processes and improve efficiencies for all City of Fort Worth users.

Justification: FY2019 CIP - Funding to maintain and improve the City's Enterprise Resource Planning software based information systems. These include citizen facing systems as well as enterprise wide systems for all departments. Prior system implementations have included the Human Capital Management System, Financial Management System, Hyperion Budgeting System, Taleo Recruiting System, and Biometric Time Clocks.

Current projects include Fusion E-Compensation system and PeopleSoft Purchasing System.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
ERP IT P_P00093	\$ 1,000,000	\$ 900,000	\$ 625,000	\$ 425,000	\$ 275,000	\$ 3,225,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	1,000,000	900,000	625,000	425,000	275,000	3,225,000
Total	\$ 1,000,000	\$ 900,000	\$ 625,000	\$ 425,000	\$ 275,000	\$ 3,225,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Information Technology	Vehicles	Information & Technology Solutions	Citywide

Project Name: ITS Vehicles

Description: Programmable project with funding to provide vehicles for members of the IT Solutions Department.

Justification: FY2019-CIP Funding for new or replacement vehicles for the IT Solutions Department. IT Solutions has teams such as Network, Radio and Field Engineering Services which require field responses to the 22 City departments and multiple site locations to perform technology related services.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
ITS Vehicles P_100286	\$ 114,000	\$ -	\$ 125,000	\$ -	\$ 130,000	\$ 369,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	114,000	-	125,000	-	130,000	369,000
Total	\$ 114,000	\$ -	\$ 125,000	\$ -	\$ 130,000	\$ 369,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

General Capital Improvement Plan

Parks and Recreation Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total	
Parks & Recreation	Athletic Field Ltg	North Park Field Lighting P_101764	600,000	-	-	-	-	600,000	
		Harmon Athletic Field	-	-	600,000	-	-	600,000	
		Rolling Hills Athletic Field	-	-	1,800,000	-	-	1,800,000	
	Drainage/Erosion Control	Candleridge Park P_101762	256,000	-	-	-	-	256,000	
		Lake Como Dam-Drainage - Erosi P_101763	405,000	-	-	-	-	405,000	
	Equipment	PARD Rec Fitness Equipment P_P00109	76,000	79,000	82,000	85,000	88,000	410,000	
	Land Acquisition	Far NW Cty Park Land Acq P_101747	750,000	-	-	-	-	750,000	
	New Community/Rec Ctrs	Como Community Center P_C02426	1,155,000	-	-	-	-	1,155,000	
		New Park Development	Lago Vista at Bonds Ranch P_101748	175,000	-	-	-	-	175,000
	Park Roads & Parking Lots	Vineyards at Heritage Park	-	476,533	-	-	-	-	476,533
		McPherson Reserve Park Development	-	729,452	-	-	-	-	729,452
		Tim Watson Reserve Park Development	-	500,000	-	-	-	-	500,000
		Kingsridge/Kingsridge West	-	654,720	-	-	-	-	654,720
		Parkwood East Park	-	-	358,238	-	-	-	358,238
		Trail Lake Estates Park	-	-	450,000	-	-	-	450,000
		Deer Meadow Park	-	632,479	-	-	-	-	632,479
		Marine Creek Lake Park	-	635,000	-	-	-	-	635,000
		Wesleyan Hills Park	-	300,000	-	-	-	-	300,000
		PARD Roads and Parking P_P00098	-	-	-	-	725,233	-	725,233
	Playground Imp Redevelopment/Reno	Universal Playground	-	-	750,000	-	-	-	750,000
		Riverside Park TRV Reno & Dev	60,920	-	-	-	-	-	60,920
		FW Zoo Utility Infrastructure P_101765	1,339,000	-	-	-	-	-	1,339,000
		North Park P_101766	2,000,000	-	-	-	-	-	2,000,000
		North Z Boaz Park P_101768	2,000,000	-	-	-	-	-	2,000,000
		Chisholm Trail Park P_101769	2,500,000	-	-	-	-	-	2,500,000
		River Corridor Park Imprvemnts P_C02578	2,500	2,500	2,500	2,500	2,500	-	12,500
		Botanic Gardens Renovation-Reh P_P00110	250,000	241,900	195,000	150,000	-	-	836,900
		Mayfest Lease Agreement P_P00106	26,250	26,250	26,250	26,250	26,250	-	131,250
		Park Improvements P_P00059	3,520,364	3,334,420	3,176,000	3,363,000	3,465,000	-	16,858,784
		Marine Creek Ranch Park Renovations	-	3,246,600	-	-	-	-	3,246,600
		Botanic Garden Conservatory	-	-	-	-	-	1,500,000	1,500,000
		Arnold Park (Tennis Court & Shelter)	-	-	-	-	-	75,000	75,000
		Edgewood Park	-	300,000	-	-	-	-	300,000
Walks & Trails/Trail Struct		Trinity Trails Connection P_101767	4,000,000	-	-	-	-	-	4,000,000
	Chapter Total	\$ 19,116,034	\$ 11,158,854	\$ 7,439,988	\$ 4,351,983	\$ 5,156,750	\$ 47,223,609		

General Capital Improvement Plan

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	Capital Interfund Transfer Out	4,168,000	3,133,000	3,258,000	4,113,233	3,523,000	18,195,233
Botanic Gardens Spec Revenue	Capital Interfund Transfer Out	250,000	241,900	195,000	150,000	-	836,900
Special Donations Cap Projects	Contributions From Others	26,250	26,250	26,250	26,250	26,250	131,250
	Developer Cash Contributions	2,500	2,500	2,500	2,500	2,500	12,500
PACS Dedication Fees	Unspec Project	985,920	600,000	-	-	75,000	1,660,920
	Neighborhood Unit 1-17	-	-	58,238	-	-	58,238
	Neighborhood Unit 2-27	-	229,452	-	-	-	229,452
	Neighborhood Unit 2-28	-	132,479	-	-	-	132,479
	NU 5-03 Marine Creek Rance Library	-	246,600	-	-	-	246,600
	UN8043 Neighborhood Unit 5-09	-	135,000	-	-	-	135,000
	NU 6-22 Coventry Hills & Tarrant Park Vista Study	-	66,533	-	-	-	66,533
	NU 6-23 Bear Creek Vista	-	54,720	-	-	-	54,720
PACS Gas Lease Cap Projects	Unspec Project	40,423	225,632	-	-	-	266,055
2018 Bond Program	Proceeds From Sale Of Bonds	13,100,000	6,010,000	3,900,000	-	-	23,010,000
Specially Funded Projects	Lease Revenue	30,000	30,000	-	60,000	30,000	150,000
PACS Gas Lease Cap Proj Legacy	UNSGAS Project	500,531	-	-	-	-	500,531
	Unspec Project	12,410	24,788	-	-	-	37,198
Future Bond	Proceeds From Sale Of Bonds	-	-	-	-	1,500,000	1,500,000
Total Funding Source		\$ 19,116,034	\$ 11,158,854	\$ 7,439,988	\$ 4,351,983	\$ 5,156,750	\$ 47,223,609

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Athletic Field Ltg	Park & Recreation	Council District 4

Project Name: North Park Field Lighting

Description: Design and construction of new athletic field lighting with supporting infrastructure at North Park.

Justification: Add lighting to unlit fields in order to expand the hours of field(s) use, which will provide for growing demand as approved in the 2018 Bond Program.

Projected Date Range: FY 2018 – FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
North Park Field Lighting P_101764	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	600,000	-	-	-	-	600,000
Total	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 20,800	
Total			\$ 20,800	

Impact Comments: Maintenance costs are based on 1% of construction costs. Athletic costs are based on average utilities costs per competition field. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Athletic Field Ltg	Park & Recreation	Council District 8

Project Name: Harmon Athletic Field

Description: Design and construction of new athletic field lighting for two fields with supporting infrastructure at Harmon Park.

Justification: Add lighting to unlit fields in order to expand the hours of fields use, which will provide for growing demand as approved in the 2018 Bond Program.

Projected Date Range: FY 2021 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Harmon Athletic Field	\$ -	\$ -	\$ 600,000	\$ -	\$ -	\$ 600,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	-	-	600,000	-	-	600,000
Total	\$ -	\$ -	\$ 600,000	\$ -	\$ -	\$ 600,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 19,800	
Total			\$ 19,800	

Impact Comments: Costs were based upon the increase of light/pole inventory and electric. Maintenance costs are based on 1% of construction costs. Athletic costs are based on average utilities costs per competition field. Annual operating expenses are 2018 estimates and subject to change.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Athletic Field Ltg	Park & Recreation	Council District 8

Project Name: Rolling Hills Athletic Field

Description: Design and construction of new athletic field lighting with supporting infrastructure at Rolling Hills Park.

Justification: Add lighting to unlit fields in order to expand the hours of field(s) use, which will provide for growing demand as approved in the 2018 Bond Program.

Projected Date Range: FY 2021 – FY2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Rolling Hills Athletic Field	\$ -	\$ -	\$ 1,800,000	\$ -	\$ -	\$ 1,800,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	-	-	1,800,000	-	-	1,800,000
Total	\$ -	\$ -	\$ 1,800,000	\$ -	\$ -	\$ 1,800,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 22,400	
Total			\$ 22,400	

Impact Comments: Costs were based upon the increase of light/pole inventory and electric. Maintenance costs are based on 1% of construction costs. Athletic costs are based on average utilities costs per competition field. Annual operating expenses are 2018 estimates and subject to change.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Drainage/Erosion Control	Park & Recreation	Council District 6

Project Name: Candleridge Park

Description: Design and construction of drainage, dam restoration and erosion control improvements at French Lake Dam, located within Candleridge Park.

Justification: Park erosion repair and control projects include design and construction of drainage and erosion control improvements. These improvements are directly related to the protection and preservation of parkland and facilities with the goal of sustaining the park infrastructure through responsible land and facility stewardship. This project is included in the 2018 Bond Program.

Projected Date Range: FY 2018 – FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Candleridge Park P_101762	\$ 256,000	\$ -	\$ -	\$ -	\$ -	\$ 256,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	256,000	-	-	-	-	256,000
Total	\$ 256,000	\$ -	\$ -	\$ -	\$ -	\$ 256,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 3,135	
Total			\$ 3,135	

Impact Comments: Maintenance costs are based on 1% of construction costs. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Drainage/Erosion Control	Park & Recreation	Council District 3

Project Name: Lake Como Park

Description: Design and construction of drainage, dam restoration and erosion control improvements at Lake Como Dam, located within Lake Como Park.

Justification: Park erosion repair and control projects include design and construction of drainage and erosion control improvements. These improvements are directly related to the protection and preservation of parkland and facilities with the goal of sustaining the park infrastructure through responsible land and facility stewardship. Project approved in the 2018 Bond Program.

Projected Date Range: FY 2018 – FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Lake Como Dam-Drainage - Erosi P_101763	\$ 405,000	\$ -	\$ -	\$ -	\$ -	\$ 405,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	405,000	-	-	-	-	405,000
Total	\$ 405,000	\$ -	\$ -	\$ -	\$ -	\$ 405,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 3,760	
Total			\$ 3,760	

Impact Comments: Maintenance costs are based on 1% of construction costs. Annual operating expenses are 2018 estimates and subject to change.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Equipment	Park & Recreation	Citywide

Project Name: PARD Rec Fitness Equipment

Description: Annual appropriations of PayGo for equipment replacement at community centers.

Justification: The life cycle of the fitness center equipment at most of the community centers has expired. The strategy is to replace all, or most, of the fitness equipment at one or two community centers annually. Once all the community centers have received a refresh of their equipment, a strategy will be developed to target much-needed items

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PARD Rec Fitness Equipment P_P00109	\$ 76,000	\$ 79,000	\$ 82,000	\$ 85,000	\$ 88,000	\$ 410,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	76,000	79,000	82,000	85,000	88,000	410,000
Total	\$ 76,000	\$ 79,000	\$ 82,000	\$ 85,000	\$ 88,000	\$ 410,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Land Acquisition	Park & Recreation	Council District 7

Project Name: Far Northwest Sector Community Park Land Acquisition

Description: Acquisition of land in the Far Northwest Sector of Fort Worth to support Neighborhood and Community Park development.

Justification: Parkland is acquired through the Neighborhood and Community Park Dedication Policy through developer dedication, and outright purchase to meet current levels of service standards and accommodate anticipated future growth. Acquiring parkland in the Far Northwest Sector of the City is necessary to maintain the availability of parkland in the fastest growing sector of the City.

Projected Date Range: FY 2018 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Far NW Cty Park Land Acq P_101747	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 750,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	750,000	-	-	-	-	750,000
Total	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 750,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 18,000	
Total			\$ 18,000	

Impact Comments: Forestry costs are based on average park land acquisitions. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	New Community/Rec Ctrs	Park & Recreation	Council District 3

Project Name: Como Community Center FFE

Description: PayGo appropriation for new equipment required for opening Como Community Center.

Justification: The Como Community Center project was approved by voters in the 2014 Bond Program, "Demolition of existing facility due to age, condition, and insufficient space for additional programming and parking needs; acquisition of new land; and development of a new community center, which would include areas for youth/adult programming, fitness, and meetings.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Como Community Center P_C02426	\$ 1,155,000	\$ -	\$ -	\$ -	\$ -	\$ 1,155,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	1,155,000	-	-	-	-	1,155,000
Total	\$ 1,155,000	\$ -	\$ -	\$ -	\$ -	\$ 1,155,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: The Neighborhood Services Departmental anticipates the annual operational costs associated with the opening of the Como Community Center to be \$460,000.00. The Park & Recreation Department anticipates the operating impact for grounds maintenance associated with this project, beginning in the third quarter of FY2019, to be \$22,250.00 annually (M&C C-28717).

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	New Park Development	Park & Recreation	Council District 7

Project Name: Lago Vista at Bonds Ranch

Description: Master planning, design, and construction of park amenities, including, but not limited to, playground, picnic shelter, walking trail, security lighting and practice fields.

Justification: Reserve Parks are neighborhood and community parks that are currently in an undeveloped, or “reserve” status. It is a goal of the PARD’s Park, Recreation and Open Space Master Plan to develop reserve parks as the city’s population grows, thereby providing adequate public open space where it is needed. Lago Vista at Bonds Rand Park is a 21.43 acre reserve park, in CD 7, and will serve an underserved sector of the City.

Projected Date Range: FY 2019 – FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Lago Vista at Bonds Ranch P_101748	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ 175,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	175,000	-	-	-	-	175,000
Total	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ 175,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 18,775	
Total			\$ 18,775	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average park renovations per acre for operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	New Park Development	Park & Recreation	Council District 4

Project Name: Vineyards at Heritage Park

Description: Master planning and design and construction of park amenities including, but not limited to, playground, picnic shelter, walking trail, security lighting and practice fields.

Justification: Reserve Parks are neighborhood and community parks that are currently in an undeveloped, or “reserve” status. It is a goal of the PARD’s Park, Recreation and Open Space Master Plan to develop reserve parks as the city’s population grows, thereby providing adequate public open space where it is needed. Vineyards at Heritage Park is a 44.15 acre reserve park, in CD 4, and will serve an underserved sector of the City. This project is included in the 2018 Bond Program.

Projected Date Range: FY 2020 – FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Vineyards at Heritage Park	\$ -	\$ 476,533	\$ -	\$ -	\$ -	\$ 476,533

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	-	66,533	-	-	-	66,533
2018 Bond Program	-	410,000	-	-	-	410,000
Total	\$ -	\$ 476,533	\$ -	\$ -	\$ -	\$ 476,533

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 25,189	
Total			\$ 25,189	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	New Park Development	Park & Recreation	Council District 8

Project Name: McPherson Park

Description: Master planning and design and construction of park amenities, including, but not limited to, playground, picnic shelter, walking trail, security lighting and practice field.

Justification: Reserve Parks are neighborhood and community parks that are currently in an undeveloped, or “reserve” status. It is a goal of the PARD’s Park, Recreation and Open Space Master Plan to develop reserve parks as the city’s population grows, thereby providing adequate public open space where it is needed. McPherson Park is a 12.44 acre reserve park, in CD 8, and will serve an underserved sector of the City. This project is included in the 2018 Bond Program.

Projected Date Range: FY 2020 – FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
McPherson Reserve Park Development	\$ -	\$ 729,452	\$ -	\$ -	\$ -	\$ 729,452

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	-	229,452	-	-	-	229,452
2018 Bond Program	-	500,000	-	-	-	500,000
Total	\$ -	\$ 729,452	\$ -	\$ -	\$ -	\$ 729,452

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 15,209	
Total			\$ 15,209	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	New Park Development	Park & Recreation	Council District 3

Project Name: Tim Watson Park

Description: Master planning and design and construction of park amenities, including, but not limited to, playground, picnic shelter, walking trail, security lighting and practice field.

Justification: Reserve Parks are neighborhood and community parks that are currently in an undeveloped, or “reserve” status. It is a goal of the PARD’s Park, Recreation and Open Space Master Plan to develop reserve parks as the city’s population grows, thereby providing adequate public open space where it is needed. Tim Watson Park is a 7.9 acre reserve park, in CD 3, and will serve an underserved sector of the City. This project is included in the 2018 Bond Program.

Projected Date Range: FY 2020 – FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Tim Watson Reserve Park Development	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	-	500,000	-	-	-	500,000
Total	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 9,374	
Total				

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	New Park Development	Park & Recreation	Council District 7

Project Name: Kingsridge/Kingsridge West

Description: Master planning, design, and construction of park amenities, including, but not limited to, playground, picnic shelter, walking trail, security lighting and practice fields.

Justification: Reserve Parks are neighborhood and community parks that are currently in an undeveloped, or “reserve” status. It is a goal of the PARD’s Park, Recreation and Open Space Master Plan to develop reserve parks as the city’s population grows, thereby providing adequate public open space where it is needed. Kingsridge Park is a 19.98 acre reserve park, in CD 7, and will serve an underserved sector of the City. This project is approved in the 2018 Bond Program.

Projected Date Range: FY 2020 – FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Kingsridge/Kingsridge West	\$ -	\$ 654,720	\$ -	\$ -	\$ -	\$ 654,720

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	-	54,720	-	-	-	54,720
2018 Bond Program	-	600,000	-	-	-	600,000
Total	\$ -	\$ 654,720	\$ -	\$ -	\$ -	\$ 654,720

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	10100	Park & Rec	\$ 20,174	
Total			\$ 20,174	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park development. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	New Park Development	Park & Recreation	Council District 6

Project Name: Parkwood East Park

Description: Master planning and design and construction of park amenities including, but not limited to, those required to create a public gathering space.

Justification: Reserve Parks are neighborhood and community parks that are currently in an undeveloped, or “reserve” status. It is a goal of the PARD’s Park, Recreation and Open Space Master Plan to develop reserve parks as the city’s population grows, thereby providing adequate public open space where it is needed. Parkwood East is a .18 acre urban reserve park, in Council District 6, and will serve an underserved sector of the City.

Projected Date Range: FY 2021 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Parkwood East Park	\$ -	\$ -	\$ 358,238	\$ -	\$ -	\$ 358,238

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	-	-	58,238	-	-	58,238
2018 Bond Program	-	-	300,000	-	-	300,000
Total	\$ -	\$ -	\$ 358,238	\$ -	\$ -	\$ 358,238

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 8,240	
Total			\$ 8,240	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park development. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	New Park Development	Park & Recreation	Council District 6

Project Name: Trail Lake Estates Park

Description: Master planning and design and construction of park amenities including, but not limited to, playground, picnic shelter, walking trail, security lighting and practice fields.

Justification: Reserve Parks are neighborhood and community parks that are currently in an undeveloped, or “reserve” status. It is a goal of the PARD’s Park, Recreation and Open Space Master Plan to develop reserve parks as the city’s population grows, thereby providing adequate public open space where it is needed. Trail Lake Estates Park is a 4.6 acre reserve park, in Council District 6, and will serve an underserved sector of the City.

Projected Date Range: FY 2021 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Trail Lake Estates Park	\$ -	\$ -	\$ 450,000	\$ -	\$ -	\$ 450,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	-	-	450,000	-	-	450,000
Total	\$ -	\$ -	\$ 450,000	\$ -	\$ -	\$ 450,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 8,974	
Total			\$ 8,974	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	New Park Development	Park & Recreation	Council District 6

Project Name: Deer Meadow Park

Description: Master planning and design and construction of park amenities including, but not limited to, playground, picnic shelter, walking trail, security lighting and practice fields.

Justification: Reserve Parks are neighborhood and community parks that are currently in an undeveloped, or “reserve” status. It is a goal of the PARD’s Park, Recreation and Open Space Master Plan to develop reserve parks as the city’s population grows, thereby providing adequate public open space where it is needed. Deer Meadow Park is a 8.5 acre reserve park, in Council District 6, and will serve an underserved sector of the City.

Projected Date Range: FY 2020 – FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Deer Meadow Park	\$ -	\$ 632,479	\$ -	\$ -	\$ -	\$ 632,479

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	-	132,479	-	-	-	132,479
2018 Bond Program	-	500,000	-	-	-	500,000
Total	\$ -	\$ 632,479	\$ -	\$ -	\$ -	\$ 632,479

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 14,934	
Total			\$ 14,934	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	New Park Development	Park & Recreation	Council District 2

Project Name: Marine Creek Lake Park

Description: Master plan update and design and construction of park amenities, including, but not limited to, playground, picnic shelter, walking trail, security lighting and competition athletic fields.

Justification: Reserve Parks are neighborhood and community parks that are currently in an undeveloped, or “reserve” status. It is a goal of the PARD’s Park, Recreation and Open Space Master Plan to develop reserve parks as the city’s population grows, thereby providing adequate public open space where it is needed. Marine Creek Lake Park is a 70 acre reserve park, in CD 2, and will serve an underserved sector of the City. This project is included in the 2018 Bond Program.

Projected Date Range: FY 2020 – FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Marine Creek Lake Park	\$ -	\$ 635,000	\$ -	\$ -	\$ -	\$ 635,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	-	135,000	-	-	-	135,000
2018 Bond Program	-	500,000	-	-	-	500,000
Total	\$ -	\$ 635,000	\$ -	\$ -	\$ -	\$ 635,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 26,454	
Total			\$ 26,454	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	New Park Development	Park & Recreation	Council District 8

Project Name: Wesleyan Hills Park Development

Description: Implementation of the park master plan, including, but not limited to, the construction of park trail and fitness area, picnic facilities, playground, recreational courts, security lighting, and supporting infrastructure and equipment.

Justification: Wesleyan Hills Park is a .55 acre park with existing amenities that have exceeded their useful life. PARD goals require the replacement and addition of new amenities to park sites throughout the City to meet current levels of service standards and accommodate anticipated future growth.

Projected Date Range: FY 2020 – FY2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Wesleyan Hills Park	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	-	300,000	-	-	-	300,000
Total	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	10100	Park & Rec	\$ 3,774	
Total			\$ 3,774	

Impact Comments: Maintenance costs are based on 1% of construction costs. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Park Roads & Parking Lots	Park & Recreation	Citywide

Project Name: PARD Roads and Parking

Description: Programmable project with funding set aside related to roads and parking lot improvements located on dedicated parkland throughout the City. Includes the renovation and/or expansion of existing facilities within parkland.

Justification: These projects are to resolve paving issues at existing parks.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PARD Roads and Parking P_P00098	\$ -	\$ -	\$ -	\$ 725,233	\$ -	\$ 725,233

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	-	-	-	725,233	-	725,233
Total	\$ -	\$ -	\$ -	\$ 725,233	\$ -	\$ 725,233

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Playground Imp	Park & Recreation	Citywide

Project Name: Universal Playground

Description: Design and construction of a new universal playground with connecting walks and supporting site furnishings.

Justification: Per City Resolution No. 4399-01-2015, the City has adopted the PARD 2015 Park, Recreation, and Open Space Master Plan as the guide for allocation of resources for the improvement and continued development of Fort Worth's Park, Recreation, and Open Space System. A defined geographical level of need within the city is one universal playground per Park Planning District. The city currently only has one universal playground at Patricia LeBlanc Park in southwest Fort Worth.

Projected Date Range: FY 2021 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Universal Playground	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ 750,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	-	-	750,000	-	-	750,000
Total	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ 750,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 7,374	
Total			\$ 7,374	

Impact Comments: Maintenance costs are based on 1% of construction costs. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Council District 9

Project Name: Riverside Park Development

Description: Implementation of the Riverside Community Park master plan, including, but not limited to, the construction of athletic fields, trails, canoe launch, parking lots, security lighting, and supporting infrastructure and equipment.

Justification: This project was approved in the 2018 Bond Program. Riverside Park is a 30.80 acre community park that has limited existing amenities that have exceeded their useful life. PARD goals require the replacement and addition of new amenities to park sites throughout the City to meet current levels of service standards and accommodate anticipated future growth. Additionally, this project will provide trail connectivity to the Trinity Trails system.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Riverside Park TRV Reno & Dev	\$ 60,920	\$ -	\$ -	\$ -	\$ -	\$ 60,920

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	60,920	-	-	-	-	60,920
Total	\$ 60,920	\$ -	\$ -	\$ -	\$ -	\$ 60,920

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 37,861	
Total			\$ 37,861	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. Athletic costs are based on average utilities costs per competition field. District costs are based on average park renovations per acre for operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Council District 9

Project Name: Fort Worth Zoo Utility Infrastructure

Description: Design and construction of public utility infrastructure required to support new facilities being constructed at the City-owned Fort Worth Zoo.

Justification: The PARD is contractually obligated to fund the repair/replacement/installation of utilities within the Fort Worth Zoo. Utilities that have exceeded their useful life, or are being added to the park site to meet current levels of service standards and accommodate anticipated future growth. Project approved in the 2018 Bond Program.

Projected Date Range: FY 2018 – FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
FW Zoo Utility Infrastructure P_101765	\$ 1,339,000	\$ -	\$ -	\$ -	\$ -	\$ 1,339,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	1,339,000	-	-	-	-	1,339,000
Total	\$ 1,339,000	\$ -	\$ -	\$ -	\$ -	\$ 1,339,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: The Fort Worth Zoological Association manages and maintains all installed utilities within Zoo boundaries, there will be no operational impacts.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Council District 4

Project Name: North Park

Description: Master Plan update and implementation of the park master plan, including, but not limited to, the renovation of existing soccer fields, provision of additional athletic facilities, restrooms, additional parking, security lighting, and supporting infrastructure and equipment.

Justification: North Park is a 62 acre community park that has existing amenities that have exceeded their useful life. PARD goals require the replacement and addition of new amenities to park sites throughout the City to meet current levels of service standards and accommodate anticipated future growth. Project approved in the 2018 Bond Program.

Projected Date Range: FY 2018 – FY2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
North Park P_101766	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	2,000,000	-	-	-	-	2,000,000
Total	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 65,274	
Total			\$ 65,274	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan update and public input. Maintenance costs are based on 1% of construction costs. Athletic costs are based on average utilities costs per competition field. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Council District 3

Project Name: North Z Boaz Park

Description: Implementation of the park master plan, including, but not limited to, the construction of park trail and fitness area, picnic facilities, playground, recreational courts, roads, parking, security lighting, and supporting infrastructure and equipment.

Justification: North Z Boaz Park is a 138.30 acre community park that has existing amenities that have exceeded their useful life. PARD goals require the replacement and addition of new amenities to park sites throughout the City to meet current levels of service standards and accommodate anticipated future growth. This project is included in the 2018 Bond Program.

Projected Date Range: FY 2019 – FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
North Z Boaz Park P_101768	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	2,000,000	-	-	-	-	2,000,000
Total	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 24,289	
Total			\$ 24,289	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Council District 6

Project Name: Chisholm Trail Park

Description: Implementation of the park master plan, including, but not limited to, the construction of soccer fields, skate park expansion, playground, trails, parking, security lighting and supporting infrastructure and equipment.

Justification: Chisholm Trail Park is a 84.21 acre community park where new amenities are required. PARD goals require the replacement and addition of new amenities to park sites throughout the City to meet current levels of service standards and accommodate anticipated future growth. This project is included in the 2018 Bond Program.

Projected Date Range: FY 2019 – FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Chisholm Trail Park P_101769	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	2,500,000	-	-	-	-	2,500,000
Total	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 41,374	
Total			\$ 41,374	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Citywide

Project Name: River Corridor Park Improvements

Description: Park and trail improvements along the Clear Fork of the Trinity River.

Justification: On December 17, 2002, (M&C C-19397) the City Council authorized the City Manager to enter into an Agreement (City Secretary Contract No. 28453) with Colonial Country Club (Colonial) providing it with use of a portion of Forest Park for the purpose of providing ancillary services and related activities for its annual golf tournament. The contract was amended by M&C C-26195 on April 9, 2013 and under that Agreement, Colonial will pay annual amounts of \$29,500.00, of which \$2,500.00 goes to the City and \$27,000.00 goes to Streams and Valleys, Inc. (S&V). The Agreement with S&V requires that all fees disbursed to S&V shall be expended solely for carrying out PARD purposes on dedicated parkland and trail improvements along the Trinity River.

Projected Date Range: FY 2019 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
River Corridor Park Imprvemnts P_C02578	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 12,500

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Special Donations Cap Projects	2,500	2,500	2,500	2,500	2,500	12,500
Total	\$ 2,500	\$ 12,500				

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Citywide

Project Name: Botanic Garden Renovation and Rehabilitation

Description: Projects related to the replacement and renovation of existing Botanic Garden amenities that have exceeded their useful life, or adding new amenities to sites throughout the Botanic Garden to meet current levels of service standards and accommodate anticipated future growth.

Justification: These projects are required to maintain efficiency of the current amenities throughout the Botanic Garden that are critical for the safety of the visitors and employees and continue to maintain level of service standards and revenue generation.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Botanic Gardens Renovation-Reh P_P00110	\$ 250,000	\$ 241,900	\$ 195,000	\$ 150,000	\$ -	\$ 836,900

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Botanic Gardens Spec Revenue	250,000	241,900	195,000	150,000	-	836,900
Total	\$ 250,000	\$ 241,900	\$ 195,000	\$ 150,000	\$ -	\$ 836,900

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Citywide

Project Name: Mayfest

Description: Funding earmarked to support PARD programs, services, equipment purchases and facility improvements.

Justification: On April 8, 2009, the City Council approved M&C C-23491 authorizing the City Manager to execute a license agreement with Mayfest, Inc. (City Secretary Contract No. 38500). The event is sponsored by the Junior League of Fort Worth, Streams and Valley, Inc., the Tarrant Regional Water District, as well as the City of Fort Worth Park & Recreation Department.

Projected Date Range: Programmable Project**

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Mayfest Lease Agreement P_P00106	\$ 26,250	\$ 26,250	\$ 26,250	\$ 26,250	\$ 26,250	\$ 131,250

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Special Donations Cap Projects	26,250	26,250	26,250	26,250	26,250	131,250
Total	\$ 26,250	\$ 131,250				

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

**Recently converted to P00106, will be updated in Adopted version.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Citywide

Project Name: Park Improvements

Description: Projects related to the replacement of existing amenities that have exceeded their useful life, or adding new amenities to park sites throughout the City to meet current levels of service standards and accommodate anticipated future growth.

Justification: These projects are included in PARD's maintenance/upgrade schedule.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Park Improvements P_P00059	\$ 3,520,364	\$ 3,334,420	\$ 3,176,000	\$ 3,363,000	\$ 3,465,000	\$ 16,858,784

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	2,937,000	3,054,000	3,176,000	3,303,000	3,435,000	15,905,000
PACS Gas Lease Cap Projects	40,423	225,632	-	-	-	266,055
Specially Funded Projects	30,000	30,000	-	60,000	30,000	150,000
PACS Gas Lease Cap Proj Legacy	512,941	24,788	-	-	-	537,729
Total	\$ 3,520,364	\$ 3,334,420	\$ 3,176,000	\$ 3,363,000	\$ 3,465,000	\$ 16,858,784

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Council District 2

Project Name: Marine Creek Ranch Park

Description: Implementation of the park master plan, including, but not limited to, the construction of athletic fields, playground, picnic shelter, security lighting and supporting infrastructure and equipment.

Justification: Marine Creek Ranch Park is a 43 acre community park that has no existing amenities. PARD goals require the replacement and addition of new amenities to park sites throughout the City to meet current levels of service standards and accommodate anticipated future growth. In addition this park is located along the Marine Creek Loop Trail, a previously developed trail, which will link several parks in the area.

Projected Date Range: FY 2020 – FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Marine Creek Ranch Park Renovations	\$ -	\$ 3,246,600	\$ -	\$ -	\$ -	\$ 3,246,600

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	-	246,600	-	-	-	246,600
2018 Bond Program	-	3,000,000	-	-	-	3,000,000
Total	\$ -	\$ 3,246,600	\$ -	\$ -	\$ -	\$ 3,246,600

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 47,374	
Total			\$ 47,374	

Impact Comments: Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Council District 7

Project Name: Botanic Garden Conservatory

Description: Replace current Botanic Garden conservatory building envelope by removing the entire envelope (glass, metal retainers, and secondary framework that adds strength to the envelope and attaches it to the main structural members) of the building back to the main structural members and replacing it.

Justification: The conservatory is a signature element of the Botanic Garden and the tropical collections it houses are unmatched anywhere in the Fort Worth Metro area. It is a major educational resource for the City and also the site of Butterflies in the Garden and other planned revenue producing events at the Garden. A short term fix is planned for this summer, but will likely only last for 4-5 years. The building will eventually have to be closed and probably demolished without these corrective improvements which will result in the loss of revenue. Any safety issues resulting from the poor maintenance of the building envelope will also be addressed by this project.

Projected Date Range: FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Botanic Garden Conservatory	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Future Bond	-	-	-	-	1,500,000	1,500,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: It is anticipated that current operating budget will be sufficient to mitigate annual operating impact resulting from this project.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Council District 9

Project Name: Arnold Park (Tennis Court & Shelter)

Description: Implementation of park improvements to include: accessibility (ADA) modifications; replacement of non-accessible bleacher sections; renovation of outdoor court; and other park improvements.

Justification: Arnold Park is a 3.02 acre neighborhood park that has existing amenities that have exceeded their useful life. PARD goals require the replacement and addition of new amenities to park sites throughout the City to meet current levels of service standards and accommodate anticipated future growth.

Projected Date Range: FY 2022 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Arnold Park (Tennis Court & Shelter)	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	-	-	-	-	75,000	75,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 600	
Total			\$ 600	

Impact Comments: Maintenance costs are based on 1% of construction costs. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Redevelopment/Reno	Park & Recreation	Council District 5

Project Name: Edgewood Park Development

Description: Implementation of the park master plan, including, but not limited to, the construction of park trail and fitness area, picnic facilities, playground, recreational courts, security lighting, and supporting infrastructure and equipment.

Justification: Edgewood Park is a 1.89 acre neighborhood park with existing amenities that have exceeded their useful life. PARD goals require the replacement and addition of new amenities to park sites throughout the City to meet current levels of service standards and accommodate anticipated future growth.

Projected Date Range: FY 2020 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Edgewood Park	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
PACS Dedication Fees	-	300,000	-	-	-	300,000
Total	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 2,400	
Total			\$ 2,400	

Impact Comments: Maintenance costs are based on 1% of construction costs. All operating costs shown are 2018 calculations.

Project Details

Plan	Chapter	Category	Department	Council District
General	Parks & Recreation	Walks & Trails/Trail Struct	Park & Recreation	Citywide

Project Name: Trinity Trails Connection

Description: Design and construction for the expansion of the Trinity Trails system, including, but not limited to, connecting from River Trails Park to River Legacy Park at the boundary with the City of Arlington and locations where city funds can be leveraged through grants and partnerships with other organizations and agencies to create expanded recreational and accessible trail opportunities.

Justification: This is a project related to replacing/expanding existing trails and walkways or adding new trails and walkways at park sites throughout the City. This trail will serve as a part of the Veloweb Trail Network of the North Central Texas Council of Governments (NCTCOG). This project is included in the 2018 Bond Program.

Projected Date Range: FY 2018 – FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Trinity Trails Connection P_101767	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	4,000,000	-	-	-	-	4,000,000
Total	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	General	Park & Rec	\$ 53,374	
Total			\$ 53,374	

Impact Comments: Operating costs are estimated based on proposed additional improvements pending implementation of master plan and public input. Maintenance costs are based on 1% of construction costs. District costs are based on average per acre for park operations. Forestry costs are based on average park renovations. All operating costs shown are 2018 calculations.

General Capital Improvement Plan

Transportation Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Transportation	Railroad Crossings	Railroad Crossings Bond Prgmbl	750,000	1,250,000	1,250,000	750,000	-	4,000,000
	Sidewalk	Sidewalks/Bicycle Lanes	3,000,000	3,000,000	3,000,000	2,500,000	-	11,500,000
	Street Light	Street Lights Bond Prgmbl	2,500,000	2,500,000	2,500,000	1,500,000	-	9,000,000
	Street Maint	Contract Street Maintenance P_P00020	15,771,000	16,401,000	17,057,000	17,739,000	18,448,000	85,416,000
		Street Maintenance P_P00022	837,000	870,000	904,000	940,000	977,000	4,528,000
	Traffic Signals	Traffic System Maintenance P_P00021	5,377,000	5,592,000	5,815,000	6,047,000	6,288,000	29,119,000
	Transpo Grant Matches	Bridge Rehabilitation	2,000,000	2,500,000	2,500,000	2,000,000	-	9,000,000
	Transpo Maint	Contract Bridge Maintenance P_P00017	1,727,000	1,796,000	1,867,000	1,941,000	2,018,000	9,349,000
		Contract Brick Pavement Repair P_P00018	405,000	421,000	437,000	454,000	472,000	2,189,000
		Concrete Restoration P_P00019	2,217,000	2,305,000	2,397,000	2,492,000	2,591,000	12,002,000
	Transpo Oriented Dev	Keller Hicks Rd. (377 to Katy) P_100146	2,000,000	-	-	-	-	2,000,000
		Meandering Road P_100873	11,500,000	-	-	-	-	11,500,000
		Kroger Dr-Heritage Trace-377 P_101750	2,000,000	-	-	-	-	2,000,000
		Street Construction/Recon/Rehab	4,000,000	17,525,000	18,875,000	8,875,000	-	49,275,000
		Traffic Signals Bond Prgmbl	3,250,000	3,000,000	3,000,000	2,500,000	-	11,750,000
		Basswood @US 377 & Kroger @377 P_101015	2,000,000	-	-	-	-	2,000,000
		Beach at Westport P_101019	1,250,000	-	-	-	-	1,250,000
	Schools	Neighborhood/School Safety	750,000	1,250,000	1,250,000	750,000	-	4,000,000
Chapter Total			\$ 61,334,000	\$ 58,410,000	\$ 60,852,000	\$ 48,488,000	\$ 30,794,000	\$259,878,000

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	Capital Interfund Transfer Out	26,334,000	27,385,000	28,477,000	29,613,000	30,794,000	142,603,000
Grants Cap Projects Federal	Intrgv Rev - TXDOT	11,500,000	-	-	-	-	11,500,000
2018 Bond Program	Proceeds From Sale Of Bonds	18,250,000	31,025,000	32,375,000	18,875,000	-	100,525,000
Trans Impact Fee Cap Legacy	Transportation Impact Fee	5,250,000	-	-	-	-	5,250,000
Total Funding Source		\$ 61,334,000	\$ 58,410,000	\$ 60,852,000	\$ 48,488,000	\$ 30,794,000	\$259,878,000

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Railroad Crossings	Transportation & Public Works	Citywide

Project Name: Railroad Crossings- 2018 Bond

Description: Railroad Crossings include improvements creating Quiet Zones, rehabilitating the travel surface of existing crossings and general safety improvements relative to traffic control devices and gate enhancements.

Justification: Railroad Crossings are Part of the Street System Capital Improvement Strategy and is driven by its mission to provide a safe and reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources.

Projected Date Range: Bond Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Railroad Crossings Bond Prgmbl	\$ 750,000	\$ 1,250,000	\$ 1,250,000	\$ 750,000	\$ -	\$ 4,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	750,000	1,250,000	1,250,000	750,000	-	4,000,000
Total	\$ 750,000	\$ 1,250,000	\$ 1,250,000	\$ 750,000	\$ -	\$ 4,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital bond programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Sidewalk	Transportation & Public Works	Citywide

Project Name: Sidewalks/Bicycle Lanes - 2018 Bond

Description: These improvements will be part of the 2018 Bond Program and will include the establishment of new sidewalks and bicycle lanes on existing street segments throughout the City.

Justification: Bicycle Facilities are part of the Street System Capital Improvement Strategy and is driven by its mission to provide a safe and Reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources.

Projected Date Range: Bond Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Sidewalks/Bicycle Lanes	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 2,500,000	\$ -	\$ 11,500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	3,000,000	3,000,000	3,000,000	2,500,000	-	11,500,000
Total	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 2,500,000	\$ -	\$ 11,500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital bond programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Street Light	Transportation & Public Works	Citywide

Project Name: Streetlights - 2018 Bond

Description: Street lighting improvements include the installation of new streetlights in areas of the community where lighting levels are below current development standards as well as rehabilitation of existing assets where poles, power cable and light fixtures have failed.

Justification: Streetlights are part of the Street System Capital Improvement Strategy and is driven by its mission to provide a safe and Reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources.

Projected Date Range: Bond Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Street Lights Bond Prgmbl	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 1,500,000	\$ -	\$ 9,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	2,500,000	2,500,000	2,500,000	1,500,000	-	9,000,000
Total	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 1,500,000	\$ -	\$ 9,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital bond programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Street Maint	Transportation & Public Works	Citywide

Project Name: Contract Street Maintenance

Description: Programmable project with funding set aside to address routine Contract Street Maintenance.

Justification: Contract Street Maintenance is part of the Street System Capital Improvement Strategy and is driven by its mission to provide a safe and reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Contract Street Maintenance P_P00020	\$ 15,771,000	\$ 16,401,000	\$ 17,057,000	\$ 17,739,000	\$ 18,448,000	\$ 85,416,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	15,771,000	16,401,000	17,057,000	17,739,000	18,448,000	85,416,000
Total	\$ 15,771,000	\$ 16,401,000	\$ 17,057,000	\$ 17,739,000	\$ 18,448,000	\$ 85,416,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Street Maint	Transportation & Public Works	Citywide

Project Name: Street Maintenance

Description: Programmable project with funding set aside to address routine Street Maintenance.

Justification: Street Maintenance is part of the Street System Capital Improvement Strategy and is driven by its mission to provide a safe and reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Street Maintenance P_P00022	\$ 837,000	\$ 870,000	\$ 904,000	\$ 940,000	\$ 977,000	\$ 4,528,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	837,000	870,000	904,000	940,000	977,000	4,528,000
Total	\$ 837,000	\$ 870,000	\$ 904,000	\$ 940,000	\$ 977,000	\$ 4,528,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Traffic Signals	Transportation & Public Works	Citywide

Project Name: Traffic System Maintenance

Description: Programmable project with funding set aside to address routine Traffic System Maintenance.

Justification: Traffic System Maintenance is part of the Street System Capital Improvement Strategy and is driven by its mission to provide a safe and reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Traffic System Maintenance P_P00021	\$ 5,377,000	\$ 5,592,000	\$ 5,815,000	\$ 6,047,000	\$ 6,288,000	\$ 29,119,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	5,377,000	5,592,000	5,815,000	6,047,000	6,288,000	29,119,000
Total	\$ 5,377,000	\$ 5,592,000	\$ 5,815,000	\$ 6,047,000	\$ 6,288,000	\$ 29,119,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Transpo Grant Matches	Transportation & Public Works	Citywide

Project Name: Bridge Rehabilitation

Description: These improvements include the rehabilitation of existing bridges Citywide as well as reconstruction of existing bridges where rehabilitation would not be cost effective. The City utilizes funding to partner with TxDOT in the rehabilitation of bridge structures to ensure that Federal Bridge monies are maximized.

Justification: Bridge Rehabilitation is part of the Street System Capital Improvement Strategy and is driven by its mission to provide a safe and Reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Bridge Rehabilitation	\$ 2,000,000	\$ 2,500,000	\$ 2,500,000	\$ 2,000,000	\$ -	\$ 9,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	2,000,000	2,500,000	2,500,000	2,000,000	-	9,000,000
Total	\$ 2,000,000	\$ 2,500,000	\$ 2,500,000	\$ 2,000,000	\$ -	\$ 9,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Transpo Maint	Transportation & Public Works	Citywide

Project Name: Contract Bridge Maintenance

Description: Programmable project with funding set aside to address routine Contract Bridge Maintenance.

Justification: Contract Bridge Maintenance is part of the Street System Capital Improvement Strategy and is driven by its mission to provide a safe and reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Contract Bridge Maintenance P_P00017	\$ 1,727,000	\$ 1,796,000	\$ 1,867,000	\$ 1,941,000	\$ 2,018,000	\$ 9,349,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	1,727,000	1,796,000	1,867,000	1,941,000	2,018,000	9,349,000
Total	\$ 1,727,000	\$ 1,796,000	\$ 1,867,000	\$ 1,941,000	\$ 2,018,000	\$ 9,349,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Transpo Maint	Transportation & Public Works	Citywide

Project Name: Contract Brick Pavement Repair

Description: Programmable project with funding set aside to address routine Contract Brick Pavement Repair.

Justification: Contract Brick Pavement Repair is part of the Street System Capital Improvement Strategy and is driven by its mission to provide a safe and reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Contract Brick Pavement Repair P_P00018	\$ 405,000	\$ 421,000	\$ 437,000	\$ 454,000	\$ 472,000	\$ 2,189,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	405,000	421,000	437,000	454,000	472,000	2,189,000
Total	\$ 405,000	\$ 421,000	\$ 437,000	\$ 454,000	\$ 472,000	\$ 2,189,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Transpo Maint	Transportation & Public Works	Citywide

Project Name: Concrete Restoration

Description: Programmable project with funding set aside to address routine Concrete Restoration throughout the City.

Justification: Concrete Restoration is part of the Street System Capital Improvement Strategy and is driven by its mission to provide a safe and reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Concrete Restoration P_P00019	\$ 2,217,000	\$ 2,305,000	\$ 2,397,000	\$ 2,492,000	\$ 2,591,000	\$ 12,002,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	2,217,000	2,305,000	2,397,000	2,492,000	2,591,000	12,002,000
Total	\$ 2,217,000	\$ 2,305,000	\$ 2,397,000	\$ 2,492,000	\$ 2,591,000	\$ 12,002,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital programmable project that does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Transpo Oriented Dev	Transportation & Public Works	Council District 7

Project Name: Keller Hicks Road

Description: This joint project involves the design and construction of improvements on Keller Hicks Road from US377, in the City of Keller, to Lauren Way, in the City of Fort Worth. A 3-lane divided roadway will be constructed within the City of Fort Worth limits with a single lane roundabout at Katy Road. City of Keller will be funding improvements within its limits, from Katy Road to US 377.

Justification: Project modifying the physical configuration to improve safety relieve congestion and provide additional capacity.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Keller Hicks Rd. (377 to Katy) P_100146	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	2,000,000	-	-	-	-	2,000,000
Total	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Transpo Oriented Dev	Transportation & Public Works	Council District 4

Project Name: Meandering Road

Description: This is project is for the design of road and intersection improvements along Meandering Road from Joint Reserve Naval Air Station.

Justification: Intersection improvements generally include modifying the physical configuration to improve safety and provide additional capacity. Modifications include additional through and turn lanes, introduction of roundabouts or physical changes to improve safety for vehicles, pedestrians and bicyclists.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Meandering Road P_100873	\$ 11,500,000	\$ -	\$ -	\$ -	\$ -	\$ 11,500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Grants Cap Projects Federal	11,500,000	-	-	-	-	11,500,000
Total	\$ 11,500,000	\$ -	\$ -	\$ -	\$ -	\$ 11,500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Transpo Oriented Dev	Transportation & Public Works	Citywide

Project Name: Kroger Drive

Description: The project involves construction of additional turn lanes on Kroger Drive at Heritage Trace to US 377, increasing capacity.

Justification: Intersection improvements generally include modifying the physical configuration to improve safety and provide additional capacity. Modifications include additional through and turn lanes, introduction of roundabouts or physical changes to improve safety for vehicles, pedestrians and bicyclists.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Kroger Dr-Heritage Trace-377 P_101750	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Trans Impact Fee Cap Legacy	2,000,000	-	-	-	-	2,000,000
Total	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Transpo Oriented Dev	Transportation & Public Works	Citywide

Project Name: Street Construction/Reconstruction/Rehabilitation – 2018 Bond

Description: These improvements will be part of the 2018 Bond Program and will include the construction, reconstruction or rehabilitation of street segments throughout the City.

Justification: This project is part of a major thoroughfare improvement which adds capacity through constructing new street segments or the addition of new travel lanes to existing facilities. These improvements address mobility needs of the community and are focused to accommodate vehicles and public transit.

Projected Date Range: Bond Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Street Construction/Recon/Rehab	\$ 4,000,000	\$ 17,525,000	\$ 18,875,000	\$ 8,875,000	\$ -	\$ 49,275,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	4,000,000	17,525,000	18,875,000	8,875,000	-	49,275,000
Total	\$ 4,000,000	\$ 17,525,000	\$ 18,875,000	\$ 8,875,000	\$ -	\$ 49,275,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital bond programmable project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Transpo Oriented Dev	Transportation & Public Works	Citywide

Project Name: Traffic Signals – 2018 Bond

Description: These improvements will be part of the 2018 Bond Program and will include traffic signal replacement and maintenance throughout the City.

Justification: Traffic Signals is part of the Street System Capital Improvement Strategy, driven by its mission to provide a safe and reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources

Projected Date Range: Bond Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Traffic Signals Bond Prgmbl	\$ 3,250,000	\$ 3,000,000	\$ 3,000,000	\$ 2,500,000	\$ -	\$ 11,750,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	3,250,000	3,000,000	3,000,000	2,500,000	-	11,750,000
Total	\$ 3,250,000	\$ 3,000,000	\$ 3,000,000	\$ 2,500,000	\$ -	\$ 11,750,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital bond programmable project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Transpo Oriented Dev	Transportation & Public Works	Council District 4

Project Name: Basswood @ 377 and Kroger @ 377

Description: Preliminary design work in anticipation of future debt programs funding the completion of design and construction.

Justification: Intersection improvements generally include modifying the physical configuration to improve safety and provide additional capacity. Modifications include additional through and turn lanes, introduction of roundabouts or physical changes to improve safety for vehicles, pedestrians and bicyclists.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Basswood @US 377 & Kroger @377 P_101015	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Trans Impact Fee Cap Legacy	2,000,000	-	-	-	-	2,000,000
Total	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Transpo Oriented Dev	Transportation & Public Works	Council District 7

Project Name: Beach at Westport

Description: Project provides for partial design of roadway expansion of Beach at Westport.

Justification: This project is a major thoroughfare improvement which adds capacity through constructing new street segments or the addition of new travel lanes to existing facilities. These improvements address mobility needs of the community and are focused to accommodate vehicles, bicycles, pedestrians and public transit.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Beach at Westport P_101019	\$ 1,250,000	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Trans Impact Fee Cap Legacy	1,250,000	-	-	-	-	1,250,000
Total	\$ 1,250,000	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Transportation	Schools	Transportation & Public Works	Citywide

Project Name: Neighborhood/School Safety – 2018 Bond

Description: School and Neighborhood Safety projects include the establishment of new school zones and rehabilitation/upgrading of existing zones. This work effort includes new traffic control devices, signs and markings, flashing beacons, such as “This is your speed” automated warning signs and improvements to sidewalks and access ramps.

Justification: School Safety is part of the Street System Capital Improvement Strategy, driven by its mission to provide a safe and reliable street system for effective movement of people, goods and services. The CIP is developed from many funding sources from within the City as well as external sources.

Projected Date Range: Bond Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Neighborhood/School Safety	\$ 750,000	\$ 1,250,000	\$ 1,250,000	\$ 750,000	\$ -	\$ 4,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond Program	750,000	1,250,000	1,250,000	750,000	-	4,000,000
Total	\$ 750,000	\$ 1,250,000	\$ 1,250,000	\$ 750,000	\$ -	\$ 4,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital bond programmable project does not incur operational costs.

General Capital Improvement Plan

Neighborhood Improvement Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Neighborhood Imp	Safety	NSD Alleyway Maintenance P_P00105	95,000	98,000	101,000	105,000	109,000	508,000
		Neighborhood Improv. Strat. P_P00080	3,052,000	3,174,000	3,300,000	3,432,000	3,569,000	16,527,000
Chapter Total			\$ 3,147,000	\$ 3,272,000	\$ 3,401,000	\$ 3,537,000	\$ 3,678,000	\$ 17,035,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	3,147,000	3,272,000	3,401,000	3,537,000	3,678,000	17,035,000
Capital Interfund Transfer Out						
Total Funding Source	\$ 3,147,000	\$ 3,272,000	\$ 3,401,000	\$ 3,537,000	\$ 3,678,000	\$ 17,035,000

Project Details

Plan	Chapter	Category	Department	Council District
General	Neighborhood Imp	Safety	Neighborhood Services	Citywide

Project Name: NSD Alleyway Maintenance

Description: Programmable project with funding set aside to maintain city alleyways.

Justification: These projects are to provide maintenance above the normal cleanup and ground maintenance of the City's alleyways contract.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
NSD Alleyway Maintenance P_P00105	\$ 95,000	\$ 98,000	\$ 101,000	\$ 105,000	\$ 109,000	\$ 508,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	95,000	98,000	101,000	105,000	109,000	508,000
Total	\$ 95,000	\$ 98,000	\$ 101,000	\$ 105,000	\$ 109,000	\$ 508,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital programmable project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	Neighborhood Imp	Safety	Neighborhood Services	Citywide

Project Name: Neighborhood Improvement Strategy Program

Description: Programmable project with funding set aside to pilot the Neighborhood Improvement Strategy (NIS) program.

Justification: These projects are to revitalize and raise the quality of life in City Council approved neighborhoods. While the specific improvements will be tailored to address the needs in each neighborhood, activity supported by these funds may include substandard building abatement, urban forestry to improve roadside conditions, streetlights upgrades, and security camera installation.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Neighborhood Improv. Strat. P_P00080	\$ 3,052,000	\$ 3,174,000	\$ 3,300,000	\$ 3,432,000	\$ 3,569,000	\$ 16,527,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	3,052,000	3,174,000	3,300,000	3,432,000	3,569,000	16,527,000
Total	\$ 3,052,000	\$ 3,174,000	\$ 3,300,000	\$ 3,432,000	\$ 3,569,000	\$ 16,527,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital programmable project does not incur operational costs.

General Capital Improvement Plan

Vehicle and Equipment Replacement Fund Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
VERF	Vehicles	Cult & Tour Vehicle Replace P_100675	83,000	123,686	123,686	200,000	200,000	730,372
		General VERF P_P00097	3,040,200	3,000,000	3,000,000	3,000,000	3,000,000	15,040,200
Chapter Total			\$ 3,123,200	\$ 3,123,686	\$ 3,123,686	\$ 3,200,000	\$ 3,200,000	\$ 15,770,572

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	Capital Interfund Transfer Out	3,040,200	3,000,000	3,000,000	3,000,000	3,000,000	15,040,200
Culture & Tourism	Capital Interfund Transfer Out	83,000	123,686	123,686	200,000	200,000	730,372
Total Funding Source		\$ 3,123,200	\$ 3,123,686	\$ 3,123,686	\$ 3,200,000	\$ 3,200,000	\$ 15,770,572

Project Details

Plan	Chapter	Category	Department	Council District
General	VERF	Vehicles	Culture & Tourism	Citywide

Project Name: Culture & Tourism Vehicle Replacement

Description: Replace Vehicles and Equipment

Justification: Staff meets with ESD to determine what vehicles and equipment need to be replaced. This would include items like sweepers, golf carts, and trucks.

Projected Date Range: On Going

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Cult & Tour Vehicle Replace P_100675	\$ 83,000	\$ 123,686	\$ 123,686	\$ 200,000	\$ 200,000	\$ 730,372

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Culture & Tourism	83,000	123,686	123,686	200,000	200,000	730,372
Total	\$ 83,000	\$ 123,686	\$ 123,686	\$ 200,000	\$ 200,000	\$ 730,372

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
General	VERF	Vehicles	Property Management	Citywide

Project Name: General Vehicle and Equipment Replacement Fund (VERF)

Description: The VERF has been set up as a capital projects fund to be used in managing revenues and expenditures associated with acquisition of the City's rolling stock, which includes automobiles, motorcycles, specialized mobile equipment and other motor driven capital assets.

Justification: The VERF will aid in ongoing efforts to improve long-range capital planning by providing a mechanism for departments to set aside funding in preparation for upcoming vehicle-related capital expenditures. The VERF will also assist transparency and auditing efforts by providing a central account repository for the purchase of most vehicles and equipment acquired by the City.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General VERF P_P00097	\$ 3,040,200	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 15,040,200

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
General Fund	3,040,200	3,000,000	3,000,000	3,000,000	3,000,000	15,040,200
Total	\$ 3,040,200	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 15,040,200

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is capital programmable project does not incur operational costs.

Municipal Parking

FY 2019 – 2023

5 Year Capital Improvement Plan

Municipal Parking 5 Year Capital Improvement Plan

Municipal Parking 5 Year Capital Improvement Plan Summary

OVERVIEW

The Municipal Parking Fund (MPF) is under the direction of the Fort Worth Municipal Parking Program in the Transportation and Public Works Department. The MPF funds the operation of parking facilities that support the needs of the Will Rogers Memorial Center (WRMC), the Fort Worth Convention Center (FWCC) and the City Hall Complex (CHC) as well as the general public parking needs in the Central Business, Cultural, Hospital and University Districts. The MPF includes four garages: Western Heritage, Houston, Commerce and Taylor, 20 surface lots, and 2,800 on-street metered parking spaces. In total the MPF manages over 11,000 parking spaces.

The MPF is supported by fees paid by the users of metered spaces, surface lots, parking garages and the lease of retail office space. The combined revenue stream across these assets at existing rates is just sufficient to cover operational costs and to service debt. All fines associated with parking tickets are deposited to the General Fund in support of the Municipal Court.

CAPITAL IMPROVEMENT STRATEGY

The need for capital improvement is fundamentally driven by the need to do the following;

- Improve operational efficiency which reduces operating cost
- Better customer service and access to real time information
- Reduction in customer process times and improve access to parking
- Generate additional revenue and reduce cost to develop a sustainable fund which can continually add new value to our customers

CAPITAL REVENUE SOURCES

The MPF is supported by fees paid by the users of metered spaces, surface lots, parking garages and the lease of retail office space. The combined revenue stream across these assets at existing rates is just sufficient to cover operational costs and to service debt. All fines associated with parking tickets are deposited to the General Fund in support of the Municipal Court.

Municipal Parking 5 Year Capital Improvement Plan

Municipal Parking 5 Year Capital Improvement Plan

Municipal Parking 5 Year Capital Improvement Plan – Chapter Summary

Municipal Parking Plan	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Parking Garages	71,000	35,000	35,000	35,000	35,000	211,000
Total Plan	\$ 71,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 211,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Parking Fund Capital Intrafund Transfer Out	71,000	35,000	35,000	35,000	35,000	211,000
Total Funding Source	\$ 71,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 211,000

Municipal Parking Capital Improvement Plan

Parking Garages Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Parking Garages	Redevelopment/Reno	Parking Garages P_P00008	71,000	35,000	35,000	35,000	35,000	211,000
Chapter Total			\$ 71,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 211,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Parking Fund	71,000	35,000	35,000	35,000	35,000	211,000
Capital Intrafund Transfer Out						
Total Funding Source	\$ 71,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 211,000

Project Details

Plan	Chapter	Category	Department	Council District
Municipal Parking	Parking Garages	Redevelopment/Reno	Transportation & Public Works	Citywide

Project Name: Parking Garages

Description: Programmable project with funding set aside to address Municipal Parking Garage related projects.

Justification: These projects address garage improvement initiatives, equipment outlay purchases like parking meters, security systems, parking stations and surface lot improvements. The projects also include application of technology to improve customer experience like development of online apps to handle parking needs.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Parking Garages P_P00008	\$ 71,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 211,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Municipal Parking Fund	71,000	35,000	35,000	35,000	35,000	211,000
Total	\$ 71,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 211,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This is a capital programmable project that does not incur operational costs.

Solid Waste

FY 2019 – 2023

5 Year Capital Improvement Plan

Solid Waste 5 Year Capital Improvement Plan

Solid Waste 5 Year Capital Improvement Plan Summary

OVERVIEW

Prior to 2003, the City collected residential garbage. Through a competitive purchasing process, the City selected a private contractor to replace City services. Commercial collection is open market and customers can choose their own contractor. Single-family residents receive once-a-week garbage, yard trimmings and recycling services and once a month bulk collections as a part of their monthly bill. They pay for these services through their water bill. In Fiscal Year 2017, there were 220,100 residential customers, and 226,265 residential garbage carts in distribution (there are customers who pay to have additional carts). The use of a Pay-As-You-Throw (PAYT) system is where residents are billed by garbage cart size with recycle carts, yard trimmings and bulk provided free of charge, but subject to weekly setout limits.

The Code Compliance Department - Solid Waste Services manages the private contracts and provides other core services. Solid Waste Services consists of three primary sections: Contract Compliance, Litter and Illegal Dumping Operations and the Citizens Drop-off Stations.

The Contract Compliance Section is responsible for overseeing multiple City contracts for the residential solid waste collection and recycle processing services provided by Waste Management, as well as operations of the City's Southeast Landfill and transportation services for drop-off station containers provided by Republic Services. Solid Waste Services also manages the Grants of Privilege Program for authorized and permitted commercial solid waste haulers. This program collects 5% of the contractor's gross receipts and is transferred to the General Fund for street repairs and maintenance.

The Litter and Illegal Dumping Operations section is responsible for overseeing and responding to reported illegal dump complaints or sites, dead animal collections, litter abatement and related code enforcement activities. Code enforcement officers dedicate approximately 40% of their time to solid waste education, enforcement and abatement. This results in a transfer from the Solid Waste Fund to the General Fund to pay for this portion of their salary and benefits.

The Citizens Drop-off Station section coordinates and manages the four existing drop-off stations. The drop-off stations are accessible for all Fort Worth residential solid waste customers to dispose of and recycle materials that are accepted in the residential collection program. They provide a convenient and accessible solution for higher volumes of waste that is produced during landscaping, move in/move out, spring cleaning, etc. Since the drop-off stations were built, illegal dumping has dropped significantly.

Most solid waste contracts run in 10 year increments. The collection program contract was renegotiated in 2013 and will be up for review again in 2023. They provide a convenient and accessible solution for higher volumes of waste that is produced during landscaping, move in/move out, spring cleaning, etc. Since the drop-off stations were built, illegal dumping has dropped significantly.

CAPITAL IMPROVEMENT STRATEGY

The development and implementation of the 5-year CIP will assure that the Solid Waste Fund is managed to flatten industry-based and cyclical environmental events and minimize residential rate fluctuations between major contracted services, program enhancements and capital projects. In 2014, the City began a long journey to update and revise Fort Worth's existing Solid Waste Plan (CSWMP). The previous plan was developed in 1995 and the world has changed significantly since then. The new plan outlines future improvements, programs and new technology for providing a safe and cost effective/integrated solid waste program

Solid Waste 5 Year Capital Improvement Plan

through 2037. The 2017-2037 Comprehensive Solid Waste Management Plan was unanimously adopted by City Council on September 12, 2017. Some of the plans findings/recommendations are included as part of the 5-year CIP Plan.

CAPITAL REVENUE SOURCES

Fund Balance

The Solid Waste Enterprise Fund balance serves as the source of cash funding for capital projects in order to meet the City of Fort Worth's 20 year solid waste and related environmental program needs. Over \$23.1 million is available to support the annual operational budget, annual pay as you go capital projects and 5-year CIP plan. Approximately \$1.4 million of the amount transferred will fund a portion of the FY 2019 capital projects.

Residential Service Fee

Residents pay a monthly Solid Waste Services fee based on the size of their trash cart, for any extra bags of trash (\$10 per bag or stickered bags), and for all non-compliant bulk or brush piles (\$65.00 for each five cubic yards of material, plus a one-time administration fee of \$10.00 per collection). Since all three streams of revenue are fluid and change constantly, the annual additional revenue stream is projected based on a historic two year average, which is \$916,295 annually. The majority of the increase in annual additional revenue is generated by new growth of households receiving service.

SELF Lease Payment

Since the Southeast Landfill (SELF) is owned by the City and contracted with Republic Services for operational lease and management aspects, the City receives monthly lease payments from Republic Services. The estimated base annual rent is \$780,608.02 and the estimated annual variable rent is \$2,357,781. The total is \$3,138,389. The FY 2019 budget includes an incremental \$500,000 in variable rent bringing the grand total to \$3,638,389.

Solid Waste 5 Year Capital Improvement Plan

Solid Waste 5 Year Capital Improvement Plan – Chapter Summary

Solid Waste Plan	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Environmental Prot	-	1,155,000	1,495,000	1,335,000	1,690,000	5,675,000
Solid Waste Chapter	1,280,000	1,725,000	725,000	685,000	20,525,000	24,940,000
Total Plan	\$ 1,280,000	\$ 2,880,000	\$ 2,220,000	\$ 2,020,000	\$ 22,215,000	\$ 30,615,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Environmental Protection Capital Interfund Transfer Out	-	1,155,000	1,495,000	1,335,000	1,690,000	5,675,000
Solid Waste Fund Capital Intrafund Transfer Out	1,280,000	1,725,000	725,000	685,000	20,525,000	24,940,000
Total Funding Source	\$ 1,280,000	\$ 2,880,000	\$ 2,220,000	\$ 2,020,000	\$ 22,215,000	\$ 30,615,000

Solid Waste Capital Improvement Plan

Environmental Protection Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Environmental Prot	Remediation	Projects for removal of hazard P_P00042	-	1,155,000	1,375,000	1,175,000	1,445,000	5,150,000
		Water Field Operations Stormwater Quality Improvement Project	-	-	-	75,000	200,000	275,000
	Waste & Litter Mgmt	Household Hazardous Waste P_100192	-	-	45,000	-	-	45,000
		Litter Prevention Education P_100601	-	-	75,000	-	-	75,000
		City-Generated Hazardous Waste Site Compliance Evaluation Project	-	-	-	85,000	45,000	130,000
Chapter Total			\$ -	\$ 1,155,000	\$ 1,495,000	\$ 1,335,000	\$ 1,690,000	\$ 5,675,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Environmental Protection Capital Interfund Transfer Out	-	1,155,000	1,495,000	1,335,000	1,690,000	5,675,000
Total Funding Source	\$ -	\$ 1,155,000	\$ 1,495,000	\$ 1,335,000	\$ 1,690,000	\$ 5,675,000

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Environmental Prot	Remediation	Code Compliance	Citywide

Project Name: Projects for Removal of Hazard

Description: These funds are used for the removal of environmental hazards.

Justification: The City of Fort Worth owns facilities that contain asbestos which must be abated as well as several land and water quality issues that require remediation.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Projects for removal of hazard P_P00042	\$ -	\$ 1,155,000	\$ 1,375,000	\$ 1,175,000	\$ 1,445,000	\$ 5,150,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Environmental Protection	-	1,155,000	1,375,000	1,175,000	1,445,000	5,150,000
Total	\$ -	\$ 1,155,000	\$ 1,375,000	\$ 1,175,000	\$ 1,445,000	\$ 5,150,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Environmental Prot	Remediation	Code Compliance	Citywide

Project Name: Water Field Operations Stormwater Quality Improvement Project

Description: Evaluate and implement site-appropriate best management practices (BMPs) including surfacing with impervious materials, grading, and on-site capture of contaminated fluids.

Justification: The Water Department’s Field Operations stages its fleet of dump trucks, backhoes, and other heavy equipment in an area that is primarily covered in earthen materials. Leaking fluids and spills from the equipment runs easily offsite into the nearest storm drain inlet, which leads directly to the Clear Fork of the Trinity River. This project addresses these stormwater concerns by improving the overall stormwater quality leaving the site by capturing pollutants before they flow offsite and into the river.

Projected Date Range: FY 2020 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water Field Operations Stormwater Quality Improvement Project	\$ -	\$ -	\$ -	\$ 75,000	\$ 200,000	\$ 275,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Environmental Protection	-	-	-	75,000	200,000	275,000
Total	\$ -	\$ -	\$ -	\$ 75,000	\$ 200,000	\$ 275,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Environmental Prot	Waste & Litter Mgmt	Code Compliance	Citywide

Project Name: Household Hazardous Waste

Description: Revitalize and update the look of Captain Crud and the Cruddies and expand their messages to include relevant environmental themes.

Justification: Captain Crud and the Cruddies were developed over 20 years ago to support the City’s new household hazardous waste (HHW) collection program and meet the public education component of the City’s state permit for stormwater. Captain Crud would go on to be used on vehicle wraps and in educational materials, such as coloring books, highlighting the environmental impact of HHW, especially in regards to water quality. Although still popular with the children of Fort Worth and the surrounding communities who contract with the City for HHW services, Captain Crud and the Cruddies are overdue for an updated look and program revitalization to remain relevant as education messages remain but methods and media change.

Projected Date Range: FY 2020 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Household Hazardous Waste P_100192	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ 45,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Environmental Protection	-	-	45,000	-	-	45,000
Total	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ 45,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Environmental Prot	Waste & Litter Mgmt	Code Compliance	Citywide

Project Name: Litter Prevention Education

Description: Develop litter prevention messages and strategies based on age-appropriateness, cultural influence, and media applicability for the litter campaign.

Justification: Renewed emphasis on litter abatement and litter prevention in the City of Fort Worth includes a wide-reaching, multi-media public education and outreach campaign. The campaign is intended to reach all ages and demographics using multiple communication platforms including traditional and social media, educational programs, and public engagement events.

Projected Date Range: FY 2020 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Litter Prevention Education P_100601	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Environmental Protection	-	-	75,000	-	-	75,000
Total	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Environmental Prot	Waste & Litter Mgmt	Code Compliance	Citywide

Project Name: City-Generated Hazardous Waste Site Compliance Evaluation Project

Description: Conduct site audits of each facility generating any hazardous, non-hazardous, universal, or special/biological wastes to determine compliance as it relates to storage, tracking, signage, security, and quantity generated.

Justification: The City currently has approximately 60 physical locations which periodically generate hazardous waste thus triggering state and federal requirements for proper disposal. This project will identify each site and evaluate the waste characteristics of each as it relates to the compliance with applicable state and federal regulations.

Projected Date Range: FY 2021 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
City-Generated Hazardous Waste Site Compliance Evaluation Project	\$ -	\$ -	\$ -	\$ 85,000	\$ 45,000	\$ 130,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Environmental Protection	-	-	-	85,000	45,000	130,000
Total	\$ -	\$ -	\$ -	\$ 85,000	\$ 45,000	\$ 130,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Solid Waste Capital Improvement Plan

Solid Waste Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Chapter	Equipment	Litter Prevention - Streetscape Pedestrian Container Campaign	-	500,000	-	-	-	500,000
		New Facilities						
		5th Westside Drop Off Station	-	-	-	-	10,000,000	10,000,000
		Brennan/DOS Conversion to T-station	-	-	-	-	3,250,000	3,250,000
		ECC Improvements/Expansion	-	-	-	-	6,000,000	6,000,000
	Software	Work Order MGMT System-Upgrade P_101209	210,000	-	-	-	-	210,000
	Waste & Litter Mgmt	SWM Plan & CB Diversion Prog P_101207	225,000	250,000	125,000	85,000	250,000	935,000
		Res Organic Recycling Collecti P_101212	-	-	-	-	175,000	175,000
		Commercial C&D, Compost or Biosolids Feasibility Study	-	-	-	-	125,000	125,000
		10 Year Strategic Communications Plan for Recycling & Diversion	-	-	-	-	150,000	150,000
	Compost or Biosolids Feasibility Study	-	200,000	-	-	-	200,000	
Vehicles	Vehicles & Equipment-Solid Was P_P00041	845,000	775,000	600,000	600,000	575,000	3,395,000	
Chapter Total			\$ 1,280,000	\$ 1,725,000	\$ 725,000	\$ 685,000	\$ 20,525,000	\$ 24,940,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	1,280,000	1,725,000	725,000	685,000	20,525,000	24,940,000
Capital Intrafund Transfer Out						
Total Funding Source	\$ 1,280,000	\$ 1,725,000	\$ 725,000	\$ 685,000	\$ 20,525,000	\$ 24,940,000

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Solid Waste Chapter	Equipment	Code Compliance	Citywide

Project Name: Litter Prevention - Streetscape Pedestian Container Campaign

Description: Install 275+ Big Belly Trash Compactor units or other identified containers throughout strategic locations to aid in litter prevention.

Justification: The Code Compliance Department has taken on the City’s litter prevention and collection program in support of the City’s Stormwater Permit and Environmental Management efforts, and the need for additional community-based trash and/or recycling containers has been identified by the Solid Waste team. The solar powered Big Belly units offer operational effectiveness as well as educational messaging associated with a citywide litter prevention program. These units or other identified “streetscape” pedestrian containers will be strategically placed or coordinated with the appropriate City departments so that trash and/or recyclables are contained until serviced instead of becoming litter all across the City, streets, parks, creeks and neighborhoods.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Litter Prevention - Streetscape Pedestian Container Campaign	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	-	500,000	-	-	-	500,000
Total	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs	Solid Waste	Code Compliance	\$ 237,325	
Total			\$ 237,325	

Impact Comments: Upon deployment of these streetscape trash and recycling containers, ongoing operational costs would include: a monthly per container collection fee (estimated \$49/container) based on actual service frequency (\$161,700 per year) and an annual per container repair and maintenance allocations of \$275 (\$75,625 per year).

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Solid Waste Chapter	New Facilities	Code Compliance	Council District 3

Project Name: 5th Westside Drop Off Station

Description: Conduct feasibility and financial analysis for implementing additional DOS.

Justification: As identified by citizen’s request and supported by staff and the CSWMP consultant, the fifth (5th) citizen’s DOS will need to be designed, located and implemented along the western side of the City within the next one (1) to four (4) years. Staff hopes to work in conjunction with another commercial solid waste vendor to co-locate or develop a public-private partnership in developing the next DOS, building synergy and long term cost savings. However, if a beneficial partnership cannot be executed in a timely manner, the City will need to advance this project solely after securing the appropriate land.

Projected Date Range: FY 2019 – FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
5th Westside Drop Off Station	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	-	-	-	-	10,000,000	10,000,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: As part of this feasibility project, the additional personnel and the projected annual operating costs would be included in the overall project proposal, which would need to be advanced and approved upon completion of the project. In addition, the project would include projected savings to our current Drop Off Station program, with material and visitors shifting from one of the current four (4) sites to the new fifth (5th) site. In reality, the associated budget/funding projection should be allocated out over various years and broken down into projected costs for feasibility study, purchasing necessary land (to secure the land), conceptual site design and operational plan, and necessary equipment and staffing recommended upon construction and implementing the new site.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Solid Waste Chapter	New Facilities	Code Compliance	Council District 2

Project Name: Brennan/DOS Conversion to T-station

Description: Develop environmental engineering design/construction plan to convert the Brennan drop-off station to allow small businesses, property owners and commercial clean-up crews to dispose of their non-compacted commercial solid waste alongside citizen residential volumes.

Justification: Based on the low-volume commercial transfer station study, the benefits of converting an existing Drop-off Station (currently Brennan) to allow small businesses, property owners and commercial clean-up crews to dispose of their non-compacted commercial solid waste in parallel with the citizens residential volumes. Since the commercial businesses do not currently support the DOS through fees, a future fee structure may be necessary.

Projected Date Range: FY 2019 – FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Brennan/DOS Conversion to T-station	\$ -	\$ -	\$ -	\$ -	\$ 3,250,000	\$ 3,250,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	-	-	-	-	3,250,000	3,250,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 3,250,000	\$ 3,250,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: The final project will include identifying any additional personnel, site equipment, design and construction costs and the projected annual operating costs difference, which would need to be advanced and approved upon completion of the project. In addition, the project would include projected revenues received by allowing small commercial volumes of waste to be disposed at the site. The current funding request is a preliminary construction-only estimate based on conception discussions with waste/engineering consultants.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Solid Waste Chapter	New Facilities	Code Compliance	Citywide

Project Name: ECC Improvements/Expansion

Description: The City is interested in researching the potential alternatives for expansion of the facility and its capabilities. As such, this long-range Plan will address the growth potential and alternatives for maintaining the ECC under the current site and operation plan, expanding the current site or the benefit to build a new facility. In addition, the current capital outlay, is based on the need to purchase additional land next to the current site or a new track of land, as well as a conceptual design and construction cost.

Justification: As required within the City’s MS4 Permit, the ECC serve as the most cost effective method to prevent residents of improperly disposing of their household chemicals and helps to avoid entering our storm drains and water shed. This project, will help develop the best approach for the next 20+ years and insure the City’s compliance to State and Federal mandates, while off-setting our costs by continuing to partner with additional member cities through appropriate service fees.

Projected Date Range: FY 2019 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
ECC Improvements/Expansion	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 6,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	-	-	-	-	6,000,000	6,000,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 6,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: As part of this evaluation/expansion project, the additional personnel and the projected annual operating costs would be included in the final project proposal options. In addition, the project would include projected savings to our current ECC program, with improved operational lay-outs, processing and traffic patterns.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Solid Waste Chapter	Software	Code Compliance	Citywide

Project Name: Work Order MGMT System-Upgrade

Description: Complete design and construction of additional Call Center Unit.

Justification: As the City moves toward a more consolidated and collaboratively coordinated Customer Service Call Center (and possible a formal 311 based structure), additional office space is needed to incorporate the increased call volume and related tasks, work load and reporting activities. This additional space will be completed within the existing Southside Service Center after Solid Waste and/or Stormwater Operations relocates from their current office areas.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Work Order MGMT System-Upgrade P_101209	\$ 210,000	\$ -	\$ -	\$ -	\$ -	\$ 210,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	210,000	-	-	-	-	210,000
Total	\$ 210,000	\$ -	\$ -	\$ -	\$ -	\$ 210,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: Once this project is completed and implemented, there would not be any ongoing cost associated for this project. However, if there were specific additional upgrades, program functionalities or software enhancements, future costs would need to be confirmed and approved separately prior to advancement. No additional staffing would be required in the future.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Solid Waste Chapter	Waste & Litter Mgmt	Code Compliance	Citywide

Project Name: CSWM Plan & C&D Diversion

Description: Upon the adoption and advancement of the 2017-2037 CSWMP, each fiscal year the next three to five key Action Items and recommendations will be prioritized and supported with further evaluation and determining the benefits and necessary resources following the final evaluation plan. The actual three to five Action Items will be selected from the list based on real time benefits, technology, and impacts balanced with short-term implementation strategies within preserving the Southeast Landfill, increasing the commercial and residential recycling opportunities, and improving the overall residential services with future enhancements and new technology - providing a safe and cost effective/integrated solid waste program through 2037.

Justification: Funding and evaluating the continued advancement of the remaining 130 Action Items included in the 2017-2037 CSWMP will help preserve the life of the City’s SELF and postpone the need for siting, permitting and designing a new landfill, which is the most costly project within the City’s Solid Waste Fund. Without funding of these initiatives, programs and services will have a direct impact of the life of the City’s Southeast Landfill, residential services fees (rates) and overall cost effective services provided to the community.

Projected Date Range: FY 2019 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
SWM Plan & CB Diversion Prog P_101207	\$ 225,000	\$ 250,000	\$ 125,000	\$ 85,000	\$ 250,000	\$ 935,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	225,000	250,000	125,000	85,000	250,000	935,000
Total	\$ 225,000	\$ 250,000	\$ 125,000	\$ 85,000	\$ 250,000	\$ 935,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: At this point in time, additional details (ongoing cost or additional staff) are not reasonable to forecast.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Solid Waste Chapter	Waste & Litter Mgmt	Code Compliance	Citywide

Project Name: Residential Organic Recycling Collection

Description: Study to determine the feasibility of a residential organic-based recycling program.

Justification: In order to achieve the CSWMP goal of increasing the residential recycling rate to 30% or higher by 2021, the diversion of the residential food waste from the City landfill would be a meaningful contribution towards that objective. Given, however, the known difficulty of maintaining the residential organic (food) waste clean of contamination, and therefore appropriate for composting; achieving route density; and overcoming potential issues associated with the storage and collection of organic materials, a study to determine the feasibility of a residential organic-based recycling program - which also evaluates a subscription-based participation – should take place prior to a possible city-wide implementation of such a program.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Res Organic Recycling Collecti P_101212	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ 175,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	-	-	-	-	175,000	175,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ 175,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: As part of this feasibility project, the additional operational costs (collection carts & service fees) will be included based on recommended program concept (# of homes included, route areas targeted, processing location and options for food waste), as well as needed additional personnel to assist with education, coordination and supervisor of the pilot program. In addition, the project will include revenue (rate increases) projections based on voluntary, subscription and/or city-wide program implementation options.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Solid Waste Chapter	Waste & Litter Mgmt	Code Compliance	Citywide

Project Name: Commercial C&D, Compost or Biosolids Feasibility Study

Description: Feasibility study to determine the direct and indirect preservation impacts on the City’s Southeast Landfill through advancing a commercial C&D recycling operations and/or a commercial scale compost program in Fort Worth.

Justification: In order to advance the CSWMP’s goal of preserving the disposal capacity (self-life) of the City’s Southeast Landfill (targeting through 2060, instead of current 2040-2045), achieving 40% diversion of all municipal solid waste by 2023 and 60% diversion by 2030 through the implementation of either a commercial C&D recycling operation or a commercial scale compost program capable of handling bio solids or both will be crucial. In order to determine the feasibility and benefits to the Southeast Landfill, an in-depth study of the alternatives is critical, while evaluating internal opportunities between Solid Waste, Water and/or Parks & Recreation, and potential Public-Private partnerships.

Projected Date Range: FY 2019 – FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Commercial C&D, Compost or Biosolids Feasibility Study	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	-	-	-	-	125,000	125,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This feasibility project will evaluate and project the various impacts on extending the life of the City’s Southeast Landfill through advancement of the listed programs. In addition, this project will assist in determining the cost and benefits of maximizing the disposal capacity of the City’s Southeast Landfill and alternative options and costs necessary to provide long term disposal for the City’s residential waste stream. One alternative that should be included is the value and willingness for the City to allow all disposal methods to be complete based on the commercial markets, and exit the landfill arena completely.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Solid Waste Chapter	Waste & Litter Mgmt	Code Compliance	Citywide

Project Name: 10 Year Strategic Communications Plan for Recycling & Diversion

Description: Development of the Solid Waste 10 Year Strategic Communications Plan is critical to the success of maintaining the Solid Waste Programs and Service Levels, while implementing the 2017-2037 Comprehensive Solid Waste Management Plan and associated 130 Action Items. This plan will focus on determining and developing the residential service fees (rates) necessary to support the communities requirements, while the monthly service fee not be increased since 2007 and was actually reduced in 2014. This project would include establishing community focus groups to determine their direct willingness to acceptable rate increases or service level reductions.

Justification: Without a clear and supported path forward towards funding the Solid Waste Programs and Services through acceptable monthly service fees, the Solid Waste Reserve Fund will continue to be used on an annual based to cover operational expenses and increased costs. This plan is necessary to complete and develop how the City will adjust the monthly service fees (rates) and/or programs of services for up to the 10 Years.

Projected Date Range: FY 2019 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
10 Year Strategic Communications Plan for Recycling & Diversion	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	-	-	-	-	150,000	150,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: The 10 Year Plan would identify the projected service fees that would be acceptable in the next five and following five years, based on community input and projected program costs. However, future project costs associated with this Plan would need to be identified and approved if and when there would be a direct shift from the planned services fees and program costs, instead of projecting future project costs. At this point in time, no additional staff would be foreseen, but could be determined and projected as part of the final 10 Year Plan.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Solid Waste Chapter	Waste & Litter Mgmt	Code Compliance	Citywide

Project Name: Compost or Bio-solids Feasibility Study

Description: A feasibility study to determine if the City should develop an internal or private-public commercial composting operations for recycling the residential yard trimmings and organic (food) materials, commercial organic (food) volumes and/or the Water Department’s bio-solid materials into marketable composting products.

Justification: In order to achieve the CSWMP goal of increasing the residential recycling rate to 30% or higher by 2021, the diversion of the residential and commercial food waste from the City landfill would be a meaningful contribution towards that objective. In addition, the necessary commercial-based composting infrastructure does not currently exist within the Fort Worth area. Therefore, a feasibility study needs to be completed to evaluate the application, benefits and project costs of developing such a program either internally (similar to other cities) or through a public-private partnership (allowing the market to share in risk and rewards). This project could include beneficial aspects to the City’s Water Department, which should be involved for the greatest potential.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Compost or Biosolids Feasibility Study	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	-	200,000	-	-	-	200,000
Total	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: As part of this feasibility project, the entire business plan would be developed to project all additional operational impacts.

Project Details

Plan	Chapter	Category	Department	Council District
Solid Waste	Solid Waste Chapter	Vehicles	Code Compliance	Citywide

Project Name: Vehicles & Equipment-Solid Waste

Description: Acquisition of new equipment and vehicles.

Justification: Equipment and vehicle replacement will allow the Litter and Illegal Dumping crews as well as that of the DOS/HHW and ECC to maintain and/or increase their productivity in delivering their respective services to the community.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Vehicles & Equipment-Solid Was P_P00041	\$ 845,000	\$ 775,000	\$ 600,000	\$ 600,000	\$ 575,000	\$ 3,395,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Solid Waste Fund	845,000	775,000	600,000	600,000	575,000	3,395,000
Total	\$ 845,000	\$ 775,000	\$ 600,000	\$ 600,000	\$ 575,000	\$ 3,395,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project does not incur operational costs.

Stormwater

FY 2019 – 2023

5 Year Capital Improvement Plan

Stormwater 5 Year Capital Improvement Plan

Stormwater 5 Year Capital Improvement Plan Summary

OVERVIEW

The City of Fort Worth, Transportation and Public Works Department's Stormwater Management Program's (SWMP) mission is to protect people and property from harmful stormwater runoff. This is accomplished through: the operation, maintenance and improvement of the City's drainage system; the regulation of new development in the FEMA floodplain; the review of private development for compliance with City drainage standards; and by warning and informing the public regarding flood protection and water quality practices.

The City's drainage system includes over 900 miles of underground pipe, approximately 300 miles of engineered drainage channel, over 30,000 drainage inlets and numerous other drainage facilities such as detention ponds, bridge culverts, and bar ditches.

Fort Worth's SWMP is a very capital-intensive enterprise, which requires continuous investment in extensive above and below-ground infrastructure. Continued investment in the drainage system is a prerequisite for the health and safety of the community it serves as well as economic growth and prosperity in the future.

The FY 2019 – FY 2023 Capital Improvement Plan (CIP) totals \$73,107,555 and funds capital improvements required to mitigate flood risk, ensure system reliability by replacing aging infrastructure and facilities, support the City's bond programs for street rehabilitation, meet corporate priorities, and facilitate economic revitalization in areas where development is hampered by chronic flooding.

CAPITAL IMPROVEMENT STRATEGY

The SWMP's Capital Improvement Strategy is driven by its mission to protect people and property from harmful stormwater runoff. The CIP is informed by many sources from within the SWMP and the City as well as external entities. These sources include:

- **Planning effort/risk assessments:** The SWMP conducts engineering assessments to understand the degree and cause of flooding in various parts the City and develop conceptual alternatives to mitigate the risk. This information is used to prioritize the use of capital improvement funding and to develop tools for comparing and explaining the relative level of floodrisk throughout the City.
- **Historical flooding/customer reports:** The SWMP investigates customer reports of drainage problems. If the reported problem is something for which the SWMP is responsible, projects are initiated to correct problems that are within the existing resource capacity of the program. When current resources aren't sufficient to initiate corrective action, the problem is prioritized with other unfunded needs for project initiation as priorities and funding availability allows.
- **Corporate Priorities:** The SWMP provides drainage improvements or relocation projects in support of City Council approved priority programs for the development of the city. Examples of these types of programs include the Trinity River Vision initiative and the Cultural District improvements.
- **Development Agreements/Community Facilities Agreements:** The Policy for the Installation of Community Facilities approved by the City Council provides for the SWMP's participation in upsizing drainage facilities beyond the size required to offset the impact of a proposed development to provide additional flood protection in the broader area. The SWMP's staff is in regular contact with the development community to identify opportunities for collaboration.

Stormwater 5 Year Capital Improvement Plan

- **Collaboration with other public entities:** In developing flood mitigation alternatives, sometimes the property of other public entities is located in an area where a drainage improvement could be effective and/or the interests of another public entity could be served by drainage improvements. In such cases, SWMP staff engages with staff from the other entity to determine if there is an opportunity for a mutually beneficial project. Past efforts in this regard have resulted in partnerships with entities such as: the Fort Worth Independent School District and the Fort Worth Transportation Authority.
- **Legislative and Regulatory Mandates:** The Federal Government through the U.S. Environmental Protection Agency (USEPA) and the Texas Legislature through the Texas Commission on Environmental Quality (TCEQ) regulate the operation and maintenance of the City's drainage system through the Municipal Separate Storm Sewer System (MS4) permit program. Various aspects of the SWMP CIP are key to maintaining compliance with MS4 permit requirements. Similarly, the effective execution of the SWMP is a key part of the City's standing with the Federal Emergency Management Agencies National Flood Insurance Program.
- **Condition Assessment and Maintenance History:** A high priority for the SWMP is to optimize the performance and maintainability of the existing system. Toward that end investments are made in: rehabilitating degraded drainage channels to perform as designed and to facilitate ongoing maintenance; assessing the pipe system to develop a criticality ranking so that repair and rehabilitation funds can be directed to the most critical parts of the system; maintaining and expanding the GIS map for the system to make the assessment and response to drainage problems as efficient as possible; and technology and fleet upgrades that enhance efficiency in maintaining, repairing, and improving the system. SWMP staff routinely inspect various aspects of the City's drainage system, either visually or via Closed Circuit Television, to identify, prioritize, and program rehabilitation and maintenance projects. The SWMP's work order system is also invaluable in identifying recurring drainage problems so that in depth investigation can identify underlying causes and develop solutions.
- **Coordination with the CIP's of other City Departments/Divisions:** The SWMP coordinates with other departments and divisions such as TPW Capital Delivery, Water, Parks, and Planning and Development to identify areas where priorities and plans overlap so that collaborative projects can be developed that achieve multiple goals.

CIP Priority Criteria

The SWMP CIP is directly linked to the goals of: public safety, improving neighborhoods and communities, removing structures from floodplains, and encouraging economic growth. The SWMP's specific goals and project prioritization scores are aligned with City-wide strategic goals as reflected in the capital project prioritization system used for the City's Comprehensive Plan.

CAPITAL REVENUE SOURCES

The SWMP has identified funding for the \$73.1 million five-year CIP from a variety of revenue sources, including pay-go cash from rate revenues and funds remaining from the Drainage Revenue Bond program.

Stormwater 5 Year Capital Improvement Plan

Pay-Go:

Pay-Go for capital is budgeted each year and recovered through the rates charged to the SWMP's ratepayers. Pay-Go funding sources for FY 2019 – FY 2023 CIP total \$73.1 million and include \$61.8 million of cash from annual resources as a transfer from Operating and \$11.3 million of prior year net resources held as excess fund balance and cash reserved in the Pay-Go Capital Projects Fund.

To achieve the FY 2019 – FY 2023 funding sources over the next five years, the SWMP plans to increase its annual cash investment in the CIP year-over-year from \$11.6 million in FY2019 to \$13.4 million in FY 2023.

Stormwater 5 Year Capital Improvement Plan

Stormwater 5 Year Capital Improvement Plan – Chapter Summary

Stormwater Plan	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Capital Outlay	2,134,555	825,000	1,030,000	936,000	936,000	5,861,555
Drainage Erosion Control	19,439,000	10,669,000	10,788,000	11,428,000	11,752,000	64,076,000
Information Technology	-	-	100,000	-	100,000	200,000
Transportation	570,000	600,000	600,000	600,000	600,000	2,970,000
Total Plan	\$ 22,143,555	\$ 12,094,000	\$ 12,518,000	\$ 12,964,000	\$ 13,388,000	\$ 73,107,555

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility Capital Intrafund Transfer Out	11,643,555	11,994,000	12,218,000	12,764,000	13,188,000	61,807,555
Stormwater Capital Projects Transfer From Stormwater Util	10,500,000	100,000	300,000	200,000	200,000	11,300,000
Total Funding Source	\$ 22,143,555	\$ 12,094,000	\$ 12,518,000	\$ 12,964,000	\$ 13,388,000	\$ 73,107,555

Stormwater 5 Year Capital Improvement Plan

Capital Outlay Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Capital Outlay	800 MHZ/Radios	Minor Equipment P_P00014	121,000	125,000	128,000	131,000	131,000	636,000
		Technology P_P00015	13,555	100,000	102,000	105,000	105,000	425,555
	Vehicles	Vehicles-Stormwater P_P00016	2,000,000	600,000	800,000	700,000	700,000	4,800,000
Chapter Total			\$ 2,134,555	\$ 825,000	\$ 1,030,000	\$ 936,000	\$ 936,000	\$ 5,861,555

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	634,555	725,000	730,000	736,000	736,000	3,561,555
Stormwater Capital Projects	1,500,000	100,000	300,000	200,000	200,000	2,300,000
Total Funding Source	\$ 2,134,555	\$ 825,000	\$ 1,030,000	\$ 936,000	\$ 936,000	\$ 5,861,555

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Capital Outlay	800 MHZ/Radios	Transportation & Public Works	Council District 9

Project Name: Minor Equipment -Stormwater

Description: Programmable project with funding set aside to address routine replacement of capital tools and equipment.

Justification: Capital asset purchases support operations and Maintenance of the SWMP including routine Replacement of heavy equipment & vehicles, minor Tools & equipment and technology.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Minor Equipment P_P00014	\$ 121,000	\$ 125,000	\$ 128,000	\$ 131,000	\$ 131,000	\$ 636,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	121,000	125,000	128,000	131,000	131,000	636,000
Total	\$ 121,000	\$ 125,000	\$ 128,000	\$ 131,000	\$ 131,000	\$ 636,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Capital Outlay	800 MHZ/Radios	Transportation & Public Works	Council District 9

Project Name: Technology -Stormwater

Description: Programmable project with funding set aside to address initiatives to update Geographic Information System (GIS) and periodic upgrades to the High Water Warning System.

Justification: Capital asset purchases support operations and Maintenance of the SWMP including routine Replacement of heavy equipment & vehicles, minor Tools & equipment and technology.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Technology P_P00015	\$ 13,555	\$ 100,000	\$ 102,000	\$ 105,000	\$ 105,000	\$ 425,555

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	13,555	100,000	102,000	105,000	105,000	425,555
Total	\$ 13,555	\$ 100,000	\$ 102,000	\$ 105,000	\$ 105,000	\$ 425,555

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project does not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Capital Outlay	Vehicles	Transportation & Public Works	Council District 9

Project Name: Vehicles - Stormwater

Description: Programmable project with funding set aside to address routine replacement of heavy equipment and vehicles supporting maintenance of existing infrastructure.

Justification: Capital asset purchases support operations and Maintenance of the SWMP including routine Replacement of heavy equipment & vehicles, minor Tools & equipment and technology.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Vehicles-Stormwater P_P00016	\$ 2,000,000	\$ 600,000	\$ 800,000	\$ 700,000	\$ 700,000	\$ 4,800,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	500,000	500,000	500,000	500,000	500,000	2,500,000
Stormwater Capital Projects	1,500,000	100,000	300,000	200,000	200,000	2,300,000
Total	\$ 2,000,000	\$ 600,000	\$ 800,000	\$ 700,000	\$ 700,000	\$ 4,800,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project does not incur operational costs.

Stormwater 5 Year Capital Improvement Plan

Drainage Erosion Control Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total	
Drainage Erosion Control	Drainage Imp	Forty Oaks Detention Basin Imp P_100117	-	224,000	560,000	-	-	784,000	
		2018 Bond St Recon Con2 P_101120	500,000	-	-	-	-	500,000	
		Overton South Upper Willow Lak P_101469	-	-	377,000	6,152,000	-	6,529,000	
		Plantation Creek Culvert Imprv P_101470	-	-	-	350,000	2,000,000	2,350,000	
		Royal Creek Culvert Improvemnt P_101471	-	-	-	300,000	2,000,000	2,300,000	
		Broadmoor Closed Drainage Syst P_101491	-	-	-	300,000	2,000,000	2,300,000	
		Keller Haslet Culvrt Pipe Rehb P_101492	850,000	-	-	-	-	850,000	
		Westcliff Drainage Phase II P_101524	-	-	-	500,000	-	500,000	
		Greenfield Acres Drainage Ph 3	2,375,000	-	-	-	-	2,375,000	
		Lebow Chanl Strm Brennan 28th	1,000,000	-	-	-	-	1,000,000	
		East Como Channel Improvements P_C00481	-	-	-	-	500,000	500,000	
		Washington Heights Storm Drain P_C00619	-	-	-	476,000	-	476,000	
		Greenfield Acres Drainage Impr P_C01549	-	176,000	5,040,000	-	-	5,216,000	
		Westcliff Drainage P_C01669	871,000	8,000,000	-	-	-	8,871,000	
		Drainage/Erosion Control	Flooding Assessments P_P00046	1,450,000	1,050,000	950,000	950,000	950,000	5,350,000
		Floodplain Management	SW Advanced Flood Warning Sys P_P00108	2,100,000	200,000	200,000	200,000	200,000	2,900,000
		Mjr Drainage Rehab Imp	Loving Avenue Channel & Culver P_C00626	3,000,000	-	-	-	-	3,000,000
	Drainage Improvement Projects P_P00043	7,293,000	1,019,000	3,661,000	2,200,000	4,102,000	18,275,000		
Chapter Total			\$ 19,439,000	\$ 10,669,000	\$ 10,788,000	\$ 11,428,000	\$ 11,752,000	\$ 64,076,000	

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	Capital Intrafund Transfer Out	10,439,000	10,669,000	10,788,000	11,428,000	11,752,000	55,076,000
Stormwater Capital Projects	Transfer From Stormwater Util	9,000,000	-	-	-	-	9,000,000
Total Funding Source		\$ 19,439,000	\$ 10,669,000	\$ 10,788,000	\$ 11,428,000	\$ 11,752,000	\$ 64,076,000

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 5

Project Name: Forty Oaks Detention Basin Improvements

Description: This project increases the level of flood protection provided by these basins during heavy rain events.

Justification: Projects to create or upgrade drainage facilities such as detention ponds and natural creeks to mitigate regional flooding risk and/or erosion problems that threaten private property and/or public infrastructure.

Projected Date Range: FY 2020 – FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Forty Oaks Detention Basin Imp P_100117	\$ -	\$ 224,000	\$ 560,000	\$ -	\$ -	\$ 784,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	-	224,000	560,000	-	-	784,000
Total	\$ -	\$ 224,000	\$ 560,000	\$ -	\$ -	\$ 784,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 7

Project Name: 2018 Bond Street Reconstruction Con2

Description: This project will include the design of transportation improvements on Clover Ln from Camp Bowie Blvd to Birchman Avenue, and West Will Rogers Road from Camp Bowie Blvd. to West Lancaster Avenue.

Justification: Project identified to start design in the preparation for the 2018 Bond Program.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
2018 Bond St Recon Con2 P_101120	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	500,000	-	-	-	-	500,000
Total	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 6

Project Name: Overton South Upper Willow Lake

Description: This project will develop a plan to address both stream flooding and overland flooding throughout the Overton South neighborhood.

Justification: Projects to mitigate flooding problems in neighborhoods generally arising from local drainage systems with inadequate capacity for large rain events.

Projected Date Range: FY 2021 – FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Overton South Upper Willow Lak P_101469	\$ -	\$ -	\$ 377,000	\$ 6,152,000	\$ -	\$ 6,529,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	-	-	377,000	6,152,000	-	6,529,000
Total	\$ -	\$ -	\$ 377,000	\$ 6,152,000	\$ -	\$ 6,529,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 3

Project Name: Plantation Creek Culvert Improvements

Description: The project includes upsizing of the existing culverts at Slade Boulevard and Bangor Drive to provide improved conveyance capacity at the crossing.

Justification: Project aimed at protecting motorists from the risk of dangerous road overtopping.

Projected Date Range: FY 2022 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Plantation Creek Culvert Imprv P_101470	\$ -	\$ -	\$ -	\$ 350,000	\$ 2,000,000	\$ 2,350,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	-	-	-	350,000	2,000,000	2,350,000
Total	\$ -	\$ -	\$ -	\$ 350,000	\$ 2,000,000	\$ 2,350,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 3

Project Name: Royal Creek Culvert Improvements

Description: The proposed project improvements consist of replacement of culverts at Wycliff Street and Mary’s Creek Drive to mitigate road overtopping and replacement of a failed drop structure causing severe erosion in Royal Creek.

Justification: Project aimed at protecting motorists from the risk of dangerous road overtopping.

Projected Date Range: FY 2022 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Royal Creek Culvert Improvemnt P_101471	\$ -	\$ -	\$ -	\$ 300,000	\$ 2,000,000	\$ 2,300,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	-	-	-	300,000	2,000,000	2,300,000
Total	\$ -	\$ -	\$ -	\$ 300,000	\$ 2,000,000	\$ 2,300,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 3

Project Name: Broadmoor Closed Drainage System

Description: This project is for the design and construction of Broadmoor Closed Drainage System.

Justification: Projects to mitigate flooding problems in neighborhoods generally arising from local drainage systems with inadequate capacity for large rain events.

Projected Date Range: FY 2022 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Broadmoor Closed Drainage Syst P_101491	\$ -	\$ -	\$ -	\$ 300,000	\$ 2,000,000	\$ 2,300,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	-	-	-	300,000	2,000,000	2,300,000
Total	\$ -	\$ -	\$ -	\$ 300,000	\$ 2,000,000	\$ 2,300,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 7

Project Name: Keller Haslet Culvert Pipe Rehabilitation

Description: This project will rehabilitate and improve the Keller Haslet Road Culvert Pipe.

Justification: These projects set up to respond to urgent issues that develop/are discovered in the drainage system during the course of the year that need immediate response.

Projected Date Range: FY 2019 – FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Keller Haslet Culvrt Pipe Rehb P_101492	\$ 850,000	\$ -	\$ -	\$ -	\$ -	\$ 850,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	750,000	-	-	-	-	750,000
Stormwater Capital Projects	100,000	-	-	-	-	100,000
Total	\$ 850,000	\$ -	\$ -	\$ -	\$ -	\$ 850,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 3

Project Name: Westcliff Drainage Phase II

Description: This project is a multi-phased initiative to mitigate residential flooding in the Westcliff community. Phase 2B is located south of Bilglade Road, north of Berry Street, east of Manderly Place and west of Cockrell Avenue. This project will construct a storm drain and tie into the previously constructed Surrey storm drain.

Justification: Projects to mitigate flooding problems in neighborhoods generally arising from local drainage systems with inadequate capacity for large rain events.

Projected Date Range: FY 2022 – FY 2024

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Westcliff Drainage Phase II P_101524	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	-	-	-	500,000	-	500,000
Total	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 2

Project Name: Greenfield Acres Drainage Ph 3

Description: Greenfield Acres Phase 3 is to provide additional drainage infrastructure to this neighborhood which has had widespread home flooding. The project will consist of storm drain extensions on several streets to tie into the trunk line installed in Phase 1.

Justification: Transportation and Public Works Department's Stormwater Management Program's (SWMP) mission is to protect people and property from harmful stormwater runoff. One of the components to accomplish this is by funding the capital improvements required to mitigate floodrisk.

This project is intended to

- Mitigate residential flooding problems in neighborhood generally arising from local drainage systems with inadequate capacity for large rain events.
- Create and upgrade drainage facilities to mitigate regional flooding risk problems that pose a public safety risk or threaten public infrastructure.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Greenfield Acres Drainage Ph 3	\$ 2,375,000	\$ -	\$ -	\$ -	\$ -	\$ 2,375,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Capital Projects	2,375,000	-	-	-	-	2,375,000
Total	\$ 2,375,000	\$ -	\$ -	\$ -	\$ -	\$ 2,375,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 2

Project Name: Lebow Channel Storm Brennan & 28th

Description: TxDOT has constraints in the SH 183 project and without Lebow Channel improvements, SH 183 can't be drained at the railroad bridge crossing just east of Decatur. Performing Lebow Channel improvements would allow the storm drain in SH 183 to drain to the creek while also solving the roadway flooding caused by Lebow Channel. The improvements include stream restoration work from Brennan to 28th street as identified in the Lebow Channel watershed improvements. Stormwater will be funding the stream restoration design and portion of construction as part of the TxDOT project to accomplish this stream restoration work.

Justification: Transportation and Public Works Department's Stormwater Management Program's (SWMP) mission is to protect people and property from harmful stormwater runoff. One of the components to accomplish this is by funding the capital improvements required to mitigate floodrisk.

This project is intended to

- Mitigate residential flooding problems in neighborhood generally arising from local drainage systems with inadequate capacity for large rain events.
- Create and upgrade drainage facilities to mitigate regional flooding risk problems that pose a public safety risk or threaten public infrastructure.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Lebow Chanl Strm Brennan 28th	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Capital Projects	1,000,000	-	-	-	-	1,000,000
Total	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 3

Project Name: East Como Channel Improvements

Description: The project is located in the East Como Area and is bounded by Blackmore Avenue to the north, Prevost Street to the west, Neville Street to the east and West Vickery Boulevard to the south to provide flood mitigation for multiple residences and the elimination of a low water crossing. The proposed improvements include expanded channels and upsized culverts along Blackmore and Helmick Avenues.

Justification: Projects to protect motorists from the risk of dangerous road overtopping.

Projected Date Range: FY 2019 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
East Como Channel Improvements P_C00481	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	-	-	-	-	500,000	500,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 2

Project Name: Washington Heights Storm Drain

Description: This project would address the existing undersized storm drain system downstream of Meacham Airport from 38th and Houston Streets to 35th and Calhoun Streets.

Justification: Projects to mitigate flooding problems in neighborhoods generally arising from local drainage systems with inadequate capacity for large rain events.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Washington Heights Storm Drain P_C00619	\$ -	\$ -	\$ -	\$ 476,000	\$ -	\$ 476,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	-	-	-	476,000	-	476,000
Total	\$ -	\$ -	\$ -	\$ 476,000	\$ -	\$ 476,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 2

Project Name: Greenfield Acres Drainage Improvements

Description: This project is located near the intersection of IH-820 and Jacksboro Highway. Detention improvements will be expanded and more storm drains and inlets installed to expand the area of flood mitigation

Justification: Projects to mitigate flooding problems in neighborhoods generally arising from local drainage systems with inadequate capacity for large rain events.

Projected Date Range: FY 2020 – FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Greenfield Acres Drainage Impr P_C01549	\$ -	\$ 176,000	\$ 5,040,000	\$ -	\$ -	\$ 5,216,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	-	176,000	5,040,000	-	-	5,216,000
Total	\$ -	\$ 176,000	\$ 5,040,000	\$ -	\$ -	\$ 5,216,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage Imp	Transportation & Public Works	Council District 3

Project Name: Westcliff Drainage

Description: This project is a multi-phased initiative to mitigate residential flooding in the Westcliff community.

Justification: Projects to mitigate flooding problems in neighborhoods generally arising from local drainage systems with inadequate capacity for large rain events.

Projected Date Range: FY 2019 – FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Westcliff Drainage P_C01669	\$ 871,000	\$ 8,000,000	\$ -	\$ -	\$ -	\$ 8,871,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	871,000	8,000,000	-	-	-	8,871,000
Total	\$ 871,000	\$ 8,000,000	\$ -	\$ -	\$ -	\$ 8,871,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Drainage/Erosion Control	Transportation & Public Works	Citywide

Project Name: Flooding Assessments

Description: Programmable project with funding set aside to address flooding assessment initiatives and projects.

Justification: These purpose of these assessments is to evaluate the feasibility of real time flood modelling to determine the feasibility of providing advance warning of flooding so that cautionary measures can be taken and warnings issued in advance of the hazard developing.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Flooding Assessments P_P00046	\$ 1,450,000	\$ 1,050,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 5,350,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	1,450,000	1,050,000	950,000	950,000	950,000	5,350,000
Total	\$ 1,450,000	\$ 1,050,000	\$ 950,000	\$ 950,000	\$ 950,000	\$ 5,350,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Floodplain Management	Transportation & Public Works	Citywide

Project Name: Southwest Stormwater Advanced Flood Warning System

Description: Programmable project with funding set aside to address Advanced Flood Warning System initiatives and projects.

Justification: These purpose of these assessments is to evaluate the feasibility of real time flood modelling to determine the feasibility of providing advance warning of flooding so that cautionary measures can be taken and warnings issued in advance of the hazard developing.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
SW Advanced Flood Warning Sys P_P00108	\$ 2,100,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 2,900,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	475,000	200,000	200,000	200,000	200,000	1,275,000
Stormwater Capital Projects	1,625,000	-	-	-	-	1,625,000
Total	\$ 2,100,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 2,900,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Mjr Drainage Rehab Imp	Transportation & Public Works	Council District 7

Project Name: Loving Avenue Channel & Culvert

Description: This project is located along Loving Avenue between 31st Street and 28th Street. There is residential flooding and road overtopping during minor rain events. The project would upsize culverts and construct channel improvements to improve the capacity of the drainage system.

Justification: Projects to protect motorists from the risk of dangerous road overtopping.

Projected Date Range: FY2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Loving Avenue Channel & Culver P_C00626	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	1,500,000	-	-	-	-	1,500,000
Stormwater Capital Projects	1,500,000	-	-	-	-	1,500,000
Total	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Drainage Erosion Control	Mjr Drainage Rehab Imp	Transportation & Public Works	Citywide

Project Name: Drainage Improvement Projects

Description: Programmable project with funding set aside to address Drainage Improvements projects.

Justification: Projects to mitigate flooding problems in neighborhoods generally arising from local drainage systems with inadequate capacity for large rain events.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Drainage Improvement Projects P_P00043	\$ 7,293,000	\$ 1,019,000	\$ 3,661,000	\$ 2,200,000	\$ 4,102,000	\$ 18,275,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	4,893,000	1,019,000	3,661,000	2,200,000	4,102,000	15,875,000
Stormwater Capital Projects	2,400,000	-	-	-	-	2,400,000
Total	\$ 7,293,000	\$ 1,019,000	\$ 3,661,000	\$ 2,200,000	\$ 4,102,000	\$ 18,275,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project will not incur operational costs.

Stormwater 5 Year Capital Improvement Plan

Information Technology Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Information Technology	Technology Infrast	GIS Data Mgmt P_P00013	-	-	100,000	-	100,000	200,000
Chapter Total			\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility Capital Intrafund Transfer Out	-	-	100,000	-	100,000	200,000
Total Funding Source	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 200,000

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Information Technology	Technology Infrast	Transportation & Public Works	Citywide

Project Name: GIS Data Management

Description: Programmable project with funding set aside to address asset management and data management system outlay projects.

Justification: Capital asset purchases support operations and Maintenance of the SWMP including routine Replacement of heavy equipment, vehicles, minor tools, equipment and technology.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
GIS Data Mgmt P_P00013	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 200,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	-	-	100,000	-	100,000	200,000
Total	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 200,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project will not incur operational costs.

Stormwater 5 Year Capital Improvement Plan

Transportation Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Transportation	Redevelopment/Reno	SW Minor Repair & Renov-Easemn P_100096	50,000	50,000	50,000	50,000	50,000	250,000
		SW Minor Repair & Renov-Paving P_100097	520,000	550,000	550,000	550,000	550,000	2,720,000
Chapter Total			\$ 570,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 2,970,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility Capital Intrafund Transfer Out	570,000	600,000	600,000	600,000	600,000	2,970,000
Total Funding Source	\$ 570,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 2,970,000

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Transportation	Redevelopment/Reno	Transportation & Public Works	Citywide

Project Name: Stormwater Minor Repair & Renovations-Easements

Description: Project to purchase easements associated with reactive projects that come up during the course of each year.

Justification: Projects to mitigate flooding problems in neighborhoods generally arising from local drainage systems with inadequate capacity for large rain events.

Projected Date Range: FY 2019 – FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
SW Minor Repair & Renov-Easemn P_100096	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	50,000	50,000	50,000	50,000	50,000	250,000
Total	\$ 50,000	\$ 250,000				

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Stormwater	Transportation	Redevelopment/Reno	Transportation & Public Works	Citywide

Project Name: Stormwater Minor Repair & Renovations-Paving

Description: Project to cover the costs of concrete and paving associated with field operations infrastructure and pipe repair projects.

Justification: Projects to mitigate flooding problems in neighborhoods generally arising from local drainage systems with inadequate capacity for large rain events.

Projected Date Range: FY 2019 – FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
SW Minor Repair & Renov-Paving P_100097	\$ 520,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 2,720,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Stormwater Utility	520,000	550,000	550,000	550,000	550,000	2,720,000
Total	\$ 520,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 2,720,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Water

FY 2019 – 2023

5 Year Capital Improvement Plan

Water and Sewer 5 Year Capital Improvement Plan

Water and Sewer 5 Year Capital Improvement Plan Summary

OVERVIEW

The Fort Worth Water Department (Utility) is a regional provider of water and sewer services to more than 1.2 million people in Fort Worth and surrounding communities, including 30 wholesale water customers, 23 wholesale wastewater customers and three wholesale reclaimed water customers. Fort Worth's system has a total treatment capacity of 500 million gallons per day (MGD) for drinking water and 166 MGD for wastewater, with five water treatment plants and one water reclamation facility. The Fort Worth utility includes more than 3,503 miles of pipe in the water distribution system, 3,458 miles in the collection system, and a wide-ranging assembly of pump stations, lift stations, and storage facilities to serve its customers. With approximately \$3.4 billion in original cost fixed assets, Fort Worth's utility is a very capital-intensive enterprise, which requires continuous investment in extensive above- and below-ground infrastructure.

The Utility's mission is to enable our community to thrive with clean water done right every time. Continued investment in the utility system is a prerequisite for the health and safety of the community it serves, as well as economic growth and prosperity in the future. The 2019-2023 Capital Improvement Plan (CIP) totals \$1,002,098,433 and funds capital improvements required to ensure system reliability by replacing aging infrastructure and facilities, comply with regulatory requirements, support the City's bond programs for street rehabilitation, meet corporate priorities, and serve anticipated growth in the system.

CAPITAL IMPROVEMENT STRATEGY

The Utility's Capital Improvement Strategy is driven by its mission to enable our community to thrive with clean water done right every time, which serves as the basis for the CIP. The CIP is developed from many sources from within the Utility and the City as well as exterior sources. These sources include:

- **Master Plans (Systems, Operational and Technology):** Master Plans are developed to provide a road map for future facilities to be installed generally within a 20-year timeframe, with updates performed every ten years. System Master Plans include the Water and Wastewater Master Plans, which project growth-related facility needs in the water and wastewater systems, including anticipated treatment plant expansions. System Master Plans also include the Lake Worth Comprehensive Capital Improvement Implementation Plan which establishes specific capital improvements in and around Lake Worth. Operational master plans include the Bio-Solids Master Plan which recommends future bio-solids disposal processes. Technology master plans include the Information Technology (IT) Master Plan that identifies future IT requirements and needs.
- **Operational Enhancement:** Utility staff continuously review and monitor operations and customer service activities and develop initiatives for enhanced customer service or operational cost reductions. The Village Creek Water Reclamation Facility Energy Efficiency and Performance Improvements project is an example of this type of enhancement.
- **Corporate Priorities:** The Utility provides water and sewer improvements or relocation projects in support of City Council-approved priority programs for the development of the city. Examples of these types of programs include the Trinity River Vision initiative, the Cultural District improvements and the Near Southside Medical District Redevelopment projects.
- **Development Agreements/Community Facilities Agreements:** The Policy for the Installation of Community Facilities approved by the City Council provides for the Utility's participation in upsizing water and sewer facilities from the size required to provide service to a proposed development to the size required by

Water and Sewer 5 Year Capital Improvement Plan

the Water and/or Wastewater Master Plan to provide service for future growth in the area. Utility staff remain in regular contact with the development community to monitor upcoming needs and priorities.

- **Legislative and Regulatory Mandates:** The Federal Government through the U.S. Environmental Protection Agency (USEPA), and the Texas Legislature through the Texas Commission on Environmental Quality (TCEQ), develop process, operational and maintenance requirements which must be met within regulatory timelines. While normally related to treatment plant processes, the requirements also extend to the water distribution and wastewater collection systems. Examples include the Utility's participation in the TCEQ SSOI program to minimize sanitary sewer overflows, as well as an ongoing initiative to replace all public side lead services in the water system.
- **Condition Assessment and Maintenance History:** Utility staff routinely review the operation and maintenance records of water and sewer mains and facilities for rehabilitation or replacement needs due to high maintenance costs or pending failure. These types of projects are identified through facilities assessment studies, programs such as the Interceptor Condition Assessment Program and Water Efficiency Condition Assessment Program, and staff review of maintenance records to identify infrastructure that can no longer be effectively maintained.
- **Street Maintenance:** In support of the City's street bond programs and other street maintenance and replacement projects, the Utility replaces water and sewer lines located under the streets to be replaced based on maintenance history, pipeline materials, and age.

CIP Priority Criteria

The development of the five-year CIP is based on established priorities using available debt, cash and impact fee funding for each year within the five-year program. Factors used in developing CIP priorities include: impacts to Public Health and Safety or those requiring emergency response; regulatory, legal or safety requirements; City Charter or contractual obligations; maintaining infrastructure integrity; balancing project benefits and risks with project costs; eliminating or limiting negative impacts to the general public; providing a beneficial effect on the lives of a significant segment of the population; and addressing corporate priorities.

CAPITAL REVENUE SOURCES

The Utility has identified funding for the \$1 billion, five-year CIP from a variety of revenue sources, including cash from annual rate revenues and funds remaining from legacy water and sewer capital projects, the Water & Sewer Revenue Bond program, multiple Texas Water Development Board programs, gas well revenues and impact fees.

Cash and Legacy Water/Sewer Capital Projects

Cash is budgeted each year and recovered through the rates charged to the Utility's ratepayers. Cash budgeted for capital projects in 2019 totals \$61 million and is targeted primarily to fund rehabilitation and replacement projects. Over the next five years the Utility plans to increase its cash investment in the CIP each year to a total of \$74.9 million in 2023. In addition, the Utility will use \$3 million in funds remaining from previously completed water and sewer capital projects over the five-year period.

Water and Sewer 5 Year Capital Improvement Plan

Water and Sewer Revenue Bond Program

Enacted in 1991, the Water and Sewer Revenue Bond program enables the Utility to invest in its infrastructure and facilities through the issuance of long-term debt. Previously incurred debt will decrease significantly over the next five years, allowing capacity for the Utility to issue additional debt over the five-year period.

Texas Water Development Board – Drinking Water/Clean Water State Revolving Loan Funds

The Texas Water Development Board offers low-cost financial assistance for the planning, design, and construction of water and sewer infrastructure to utilities under its Drinking Water and Clean Water State Revolving Loan Fund (SRF) programs. Fort Worth has used the SRF programs' below-market interest rate loans to fund eligible projects in the past and will continue to take advantage of these cost-effective programs as needs arise. In FY 2019, the Water Department will apply for a low interest \$78.5 million Clean Water State Revolving Loan. This funding is being utilized to construct a new bio-solids processing facility at the Village Creek Water Reclamation Facility that will produce a more marketable product.

Gas Well Revenues

In 2005, the City Council adopted the Gas Well Revenue policy to establish city-wide spending parameters for gas well revenues. The Utility has allowed gas well drilling at several of its facilities that have resulted in revenue available to fund capital projects. The CIP uses gas well revenues of \$29.1 million which will be used to fund eligible projects at Lake Worth and the Village Creek Water Reclamation Facility.

Impact Fees

The Utility has collected water and wastewater impact fees since the early 1990s to fund growth-related infrastructure. In compliance with Chapter 395 of the Local Government Code, the Utility develops land use assumptions and a capital improvements plan of impact fee-allowable capital projects, which will serve projected growth over a ten-year planning period. Updates are prepared at least every five years and impact fees are used to fund these plan updates. The most recent Impact Fee Study was completed in 2016, with the City Council adopting new maximum assessable impact fees as well as a three-year phased collection plan that will increase impact fee collections to 40 percent of the new maximum assessment and reduce the ratepayer subsidy of growth-related capital improvements. The new impact fees took effect on April 1, 2017 and were increased again on April 1, 2018 in accordance with the phased collection plan.

Water 5 Year Capital Improvement Plan

Water 5 Year Capital Improvement Plan – Chapter Summary

Water Plan	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Assessments/Studies	300,000	-	-	-	300,000	600,000
Sewer	201,698,136	42,340,000	55,600,000	55,000,000	128,500,000	483,138,136
Water Prj	92,632,636	122,655,668	111,017,631	107,687,933	84,366,429	518,360,297
Total Plan	\$294,630,772	\$164,995,668	\$166,617,631	\$162,687,933	\$213,166,429	\$1,002,098,433

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water/Sewer Endowmt Gas Lse Unspec Project	23,100,000	900,000	5,100,000	-	-	29,100,000
Water & Sewer Capital Intrafund Transfer Out	34,779,136	27,900,000	29,250,000	29,250,000	29,100,000	150,279,136
FB/NP Intrafund Transfer Out	28,101,736	36,215,168	37,844,431	40,000,140	45,850,000	188,011,475
Water Impact Fee Unspec Project	300,000	2,300,000	13,300,000	400,000	300,000	16,600,000
TWDB Clean Water SRF Ws 2015 Unspec Project	90,000,000	-	-	-	110,000,000	200,000,000
Water Capital Unspec Project	-	-	2,000,000	-	-	2,000,000
Sewer Capital Legacy Unspec Project	1,000,000	-	-	-	-	1,000,000
WS Future Debt Unspec Project	117,349,900	97,680,500	79,123,200	93,037,793	27,916,429	415,107,822
Total Funding Source	\$294,630,772	\$164,995,668	\$166,617,631	\$162,687,933	\$213,166,429	\$1,002,098,433

Water 5 Year Capital Improvement Plan

Assessments and Studies Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Assessments/Studies	Assessments	Water/Wastewater Impact Fee Study	300,000	-	-	-	300,000	600,000
Chapter Total			\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000	\$ 600,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water Impact Fee	300,000	-	-	-	300,000	600,000
Total Funding Source	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000	\$ 600,000

Project Details

Plan	Chapter	Category	Department	Council District
Water	Assessments/Studies	Assessments	Water	Citywide

Project Name: Water/Wastewater Impact Fee Study

Description: This study is a review of impact fees charged based on land use and capital improvement needs. It also provides a recommendation of the maximum assessable impact fee for adoption by the council.

Justification: Section 395.052 of the Local Government Code requires the City to amend its Land Use Assumptions (LUA), Capital Improvements Plans (CIP) and Impact Fees at least every five years and as necessary to reflect any changes in the LUA, CIP and the Impact Fee Ordinance. The LUA amendment includes amending the service area boundaries and population projections.

Projected Date Range: FY 2019, FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water/Wastewater Impact Fee Study	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000	\$ 600,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water Impact Fee	300,000	-	-	-	300,000	600,000
Total	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000	\$ 600,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Water 5 Year Capital Improvement Plan

Sewer Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Sewer	Equipment	Sewer Equipment 2019	415,619	-	-	-	-	415,619
	Wastewtr Collectors	WW Collectors Bucket P_P00003	55,580,000	12,540,000	32,350,000	28,300,000	500,000	129,270,000
	Sewer Overflow Program	Sanitary Sewer Overflow Initiative	8,553,317	10,000,000	10,000,000	10,000,000	10,000,000	48,553,317
		ICAP Pipeline Replace/Upgrade	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	12,500,000
	Vehicles	Sewer Vehicles 2019	1,542,200	-	-	-	-	1,542,200
	Wastewater Trtmt Plants	WW Treatment Plants Bucket P_P00007	127,325,000	16,500,000	10,750,000	13,100,000	115,500,000	283,175,000
		North Holly Water Treatment Plant Sludge Collection System	4,000,000	-	-	-	-	4,000,000
		Zebra Mussel Raw Water Chlorination Station	-	-	-	500,000	-	500,000
		Westside Water Treatment Plant Expansion	-	800,000	-	-	-	800,000
		South Holly Flocculator Improvements	-	-	-	600,000	-	600,000
	WTP Minor Improvements	1,782,000	-	-	-	-	1,782,000	
Chapter Total			\$201,698,136	\$ 42,340,000	\$ 55,600,000	\$ 55,000,000	\$128,500,000	\$483,138,136

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water/Sewer Endowmt Gas Lse	Unspec Project	14,000,000	-	-	-	-	14,000,000
Water & Sewer	Capital Intrafund Transfer Out	15,318,136	12,500,000	12,500,000	12,500,000	12,500,000	65,318,136
Water Impact Fee	Unspec Project	-	2,300,000	13,000,000	-	-	15,300,000
TWDB Clean Water SRF WS 2015	Unspec Project	90,000,000	-	-	-	110,000,000	200,000,000
Sewer Capital Legacy	Unspec Project	1,000,000	-	-	-	-	1,000,000
WS Future Debt	Unspec Project	81,380,000	27,540,000	30,100,000	42,500,000	6,000,000	187,520,000
Total Funding Source		\$201,698,136	\$ 42,340,000	\$ 55,600,000	\$ 55,000,000	\$128,500,000	\$483,138,136

Project Details

Plan	Chapter	Category	Department	Council District
Water	Sewer	Equipment	Wastewater	Citywide

Project Name: Sewer Equipment 2019

Description: Purchase of new equipment related to sewer taps and services; a crew cab truck, dump truck, excavator and trailer.

Justification: This is the associated equipment for a new Sewer Taps and Services crew for Water Field Operations.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Sewer Equipment 2019	\$ 415,619	\$ -	\$ -	\$ -	\$ -	\$ 415,619

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	415,619	-	-	-	-	415,619
Total	\$ 415,619	\$ -	\$ -	\$ -	\$ -	\$ 415,619

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Sewer	Wastewtr Collectors	Water	Citywide

Project Name: Water/Wastewater Collectors

Description: Projects related to wastewater collection mains of 24-inch diameter or larger.

Justification: These projects entail building or maintaining major mains for residential areas, partner cities, or members of the Fort Worth business community. This is a basic part of providing water service, and without maintenance, the city would risk major main breaks and leaks.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
WW Collectors Bucket P_P00003	\$ 55,580,000	\$ 12,540,000	\$ 32,350,000	\$ 28,300,000	\$ 500,000	\$129,270,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water Impact Fee	-	-	3,000,000	-	-	3,000,000
TWDB Clean Water SRF Ws 2015	15,000,000	-	-	-	-	15,000,000
Sewer Capital Legacy	1,000,000	-	-	-	-	1,000,000
WS Future Debt	39,580,000	12,540,000	29,350,000	28,300,000	500,000	110,270,000
Total	\$ 55,580,000	\$ 12,540,000	\$ 32,350,000	\$ 28,300,000	\$ 500,000	\$129,270,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Sewer	Sewer Overflow Program	Wastewater	Citywide

Project Name: Sanitary Sewer Overflow Initiative

Description: Projects to eliminate sanitary sewer overflows through replacement, rerouting, or rehabilitation of sewer mains.

Justification: The Department entered into a new ten year agreement with the Texas Commission on Environmental Quality (M&C C-28713) that implements a corrective action plan to reduce the number of sanitary sewer overflows.

Projected Date Range: FY 2019 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Sanitary Sewer Overflow Initiative	\$ 8,553,317	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 48,553,317

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	8,553,317	10,000,000	10,000,000	10,000,000	10,000,000	48,553,317
Total	\$ 8,553,317	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 48,553,317

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Sewer	Sewer Overflow Program	Wastewater	Citywide

Project Name: ICAP Pipeline Replacement/Upgrade

Description: The Interceptor Condition Assessment Program (ICAP) identifies and eliminates potential operation and maintenance issues and pipe structural failures in sewer interceptors before they occur.

Justification: This bucket sets aside funding for high priority pipelines replacements/upgrades as they are identified through ICAP to prevent future sanitary sewer overflows.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
ICAP Pipeline Replace/Upgrade	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 12,500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	12,500,000
Total	\$ 2,500,000	\$ 12,500,000				

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Sewer	Vehicles	Wastewater	Citywide

Project Name: Sewer Vehicles 2019

Description: Vehicle replacements for Field Operations, Meter Services, Safety and Security and Treatment Plants.

Justification: Vehicles have reached the end of their service life.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Sewer Vehicles 2019	\$ 1,542,200	\$ -	\$ -	\$ -	\$ -	\$ 1,542,200

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	1,542,200	-	-	-	-	1,542,200
Total	\$ 1,542,200	\$ -	\$ -	\$ -	\$ -	\$ 1,542,200

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Sewer	Wastewater Trtmt Plants	Water	Citywide

Project Name: Wastewater Treatment Plants

Description: Water reclamation facilities work includes plant expansion projects for growth, regulatory required process additions or modifications, process upgrades and modifications for plant efficiency improvement, and rehabilitation or replacement of existing older and/or obsolete equipment.

Justification: Water reclamation is a key part of water use in a large city. These projects keep the facilities that bring used water back into the fold up-to-date and in compliance with regulatory requirements.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
WW Treatment Plants Bucket P_P00007	\$127,325,000	\$ 16,500,000	\$ 10,750,000	\$ 13,100,000	\$115,500,000	\$283,175,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	525,000	-	-	-	-	525,000
Water Impact Fee	-	1,500,000	10,000,000	-	-	11,500,000
TWDB Clean Water SRF Ws 2015	75,000,000	-	-	-	110,000,000	185,000,000
WS Future Debt	37,800,000	15,000,000	750,000	13,100,000	5,500,000	72,150,000
Water/Sewer Endowmt Gas Lse	14,000,000	-	-	-	-	14,000,000
Total	\$127,325,000	\$ 16,500,000	\$ 10,750,000	\$ 13,100,000	\$115,500,000	\$283,175,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs	Water and Sewer	Water	\$ 1,491,464	16.00
Operating Costs	Water and Sewer	Water	\$ 1,311,080	
Total			\$ 2,802,544	16.00

Impact Comments: This capital programmable project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Sewer	Wastewater Trtmt Plants	Wastewater	Citywide

Project Name: North Holly Water Treatment Plant Sludge Collection System

Description: This project will install circular clarifiers at the North Holly sedimentation basins for sludge collection.

Justification: Completion of this project will allow longer plant run times between basin washings and reduce staff maintenance costs.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
North Holly Water Treatment Plant Sludge Collection System	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
WS Future Debt	4,000,000	-	-	-	-	4,000,000
Total	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Sewer	Wastewater Trtmt Plants	Wastewater	Citywide

Project Name: Zebra Mussel Raw Water Chlorination Station

Description: This station will inject minimal levels of chlorination into raw water used by Fort Worth and sold to other cities. The intent of chlorination is to kill off zebra mussels which may be in the water.

Justification: Zebra mussels are a non-native species, which is highly invasive and able to spread quickly, causing damage to wildlife or property. This is part of an ongoing effort, backed by the law, to prevent its further spread.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Zebra Mussel Raw Water Chlorination Station	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
WS Future Debt	-	-	-	500,000	-	500,000
Total	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Sewer	Wastewater Trtmt Plants	Wastewater	Citywide

Project Name: Westside Water Treatment Plant Expansion

Description: This is an expansion of the Westside Plant by 3 MGD by purchasing/installing another membrane rack.

Justification: This is the kind of expansion the department expects to regularly perform as serving a constantly growing customer base. With thousands of new residents using city water each year, the water treatment infrastructure must constantly adapt.

Projected Date Range: FY 2020

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Westside Water Treatment Plant Expansion	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ 800,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water Impact Fee	-	800,000	-	-	-	800,000
Total	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ 800,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Sewer	Wastewater Trtmt Plants	Wastewater	Citywide

Project Name: South Holly Flocculator Improvements

Description: An improvement to the flocculator at South Holly Water Treatment Plant, which provides a neutral charge to water molecules that pass through treatment.

Justification: With sedimentation in much of the Fort Worth water supply, it must be removed before it is potable for residents. The flocculator causes particles within the water to clump together so they may be more easily filtered out.

Projected Date Range: FY 2022

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
South Holly Flocculator Improvements	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ 600,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
WS Future Debt	-	-	-	600,000	-	600,000
Total	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ 600,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Sewer	Wastewater Trtmt Plants	Water	Citywide

Project Name: WTP Minor Improvements

Description: The Water Department operates five water treatment plants (Eagle Mountain, North & South Holly, Rolling Hills and Westside) that treat and distribute water throughout the city.

Justification: As with any other facility, the treatment plants require rehabilitation, process modifications and improvements. This project utilizes pay-as-you-go funding to make minor improvements and replace older or obsolete equipment at the plants.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
WTP Minor Improvements	\$ 1,782,000	\$ -	\$ -	\$ -	\$ -	\$ 1,782,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	1,782,000	-	-	-	-	1,782,000
Total	\$ 1,782,000	\$ -	\$ -	\$ -	\$ -	\$ 1,782,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Water 5 Year Capital Improvement Plan

Water Projects Chapter

Chapter	Capital Category	Project	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water Prj	Com Facilities Agrmts CFA Bucket P_P00001		-	-	5,000,000	5,000,000	7,500,000	17,500,000
	Equipment	Water Equipment 2019	260,000	-	-	-	-	260,000
	Transmission Mains	Major Mains Bucket P_P00002	20,571,000	9,886,000	1,668,000	26,701,000	1,626,000	60,452,000
	Water Facilities	Misc Wtr Facilities P_P00004	19,310,000	31,650,000	30,050,000	10,050,000	7,269,680	98,329,680
	Redevelopment/Ren o	Miscellaneous Water and Sewer Line Contract	17,800,000	15,400,000	16,750,000	16,750,000	16,250,000	82,950,000
	Street Maint	Water Sewer Program - Streets	28,101,736	36,215,168	37,844,431	40,000,140	45,850,000	188,011,475
	Trinity River Vision	IH35 Expansion-Water/Sewer P_P00085	1,000,000	2,500,000	600,000	-	-	4,100,000
		Trinity River Vision Program - Water and Sewer	4,648,900	27,004,500	19,105,200	9,186,793	5,870,749	65,816,142
	Vehicles	Water Vehicles 2019	941,000	-	-	-	-	941,000
Chapter Total			\$ 92,632,636	\$122,655,668	\$111,017,631	\$107,687,933	\$ 84,366,429	\$518,360,297

Funding Source		FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water/Sewer Endowmt Gas Lse	Unspec Project	9,100,000	900,000	5,100,000	-	-	15,100,000
Water & Sewer	Capital Intrafund Transfer Out	19,461,000	15,400,000	16,750,000	16,750,000	16,600,000	84,961,000
Water & Sewer	FB/NP Intrafund Transfer Out	28,101,736	36,215,168	37,844,431	40,000,140	45,850,000	188,011,475
Water Impact Fee	Unspec Project	-	-	300,000	400,000	-	700,000
Water Capital	Unspec Project	-	-	2,000,000	-	-	2,000,000
WS Future Debt	Unspec Project	35,969,900	70,140,500	49,023,200	50,537,793	21,916,429	227,587,822
Total Funding Source		\$ 92,632,636	\$122,655,668	\$111,017,631	\$107,687,933	\$ 84,366,429	\$518,360,297

Project Details

Plan	Chapter	Category	Department	Council District
Water	Water Prj	Com Facilities Agrmts	Water	Citywide

Project Name: CFA Programmable

Description: Community Facilities Agreements (CFAs) fund partnership opportunities with new development providers to invest in oversizing the water and sewer infrastructure from the size required to serve a proposed development to the size required by the Water and/or Wastewater Master Plan to provide regional service for future growth in the area.

Justification: These agreements increase investment by providers and help to keep the water infrastructure on pace to serve Fort Worth in the future as it continues to grow. This is an ongoing annual project.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
CFA Bucket P_P00001	\$ -	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 7,500,000	\$ 17,500,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
WS Future Debt	-	-	5,000,000	5,000,000	7,500,000	17,500,000
Total	\$ -	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 7,500,000	\$ 17,500,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Water Prj	Equipment	Water	Citywide

Project Name: Water Equipment 2019

Description: Purchase of equipment water services.

Justification: Replacement of equipment that has reached the end of service life.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water Equipment 2019	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ 260,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	260,000	-	-	-	-	260,000
Total	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ 260,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Water Prj	Transmission Mains	Water	Citywide

Project Name: Major Mains

Description: The major mains programmable project includes projects related to transmission mains of 16-inch diameter or larger, installation, repair, and replacement, which are driven by growth and regional initiatives.

Justification: These are part of the growing Fort Worth water infrastructure. They must be newly installed with a growing customer base and repaired to prevent service disruption.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Major Mains Bucket P_P00002	\$ 20,571,000	\$ 9,886,000	\$ 1,668,000	\$ 26,701,000	\$ 1,626,000	\$ 60,452,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	-	-	-	-	350,000	350,000
WS Future Debt	20,571,000	9,886,000	1,668,000	26,701,000	1,276,000	60,102,000
Total	\$ 20,571,000	\$ 9,886,000	\$ 1,668,000	\$ 26,701,000	\$ 1,626,000	\$ 60,452,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Water Prj	Water Facilities	Water	Citywide

Project Name: Miscellaneous Water Facilities

Description: Miscellaneous water facilities projects include water storage tanks and pump stations, sewer lift stations and force mains, wholesale customer water and wastewater meter stations.

Justification: New facility projects or expansion projects are identified in the Water and Wastewater Master Plans to support growth within the city. Rehabilitation or replacement projects for existing facilities have been identified by Utility staff during periodic inspection or evaluations.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Misc Wtr Facilities P_P00004	\$ 19,310,000	\$ 31,650,000	\$ 30,050,000	\$ 10,050,000	\$ 7,269,680	\$ 98,329,680

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	460,000	-	-	-	-	460,000
Water/Sewer Endowmt Gas Lse	9,100,000	900,000	5,100,000	-	-	15,100,000
Water Impact Fee	-	-	300,000	400,000	-	700,000
Water Capital	-	-	2,000,000	-	-	2,000,000
WS Future Debt	9,750,000	30,750,000	22,650,000	9,650,000	7,269,680	80,069,680
Total	\$ 19,310,000	\$ 31,650,000	\$ 30,050,000	\$ 10,050,000	\$ 7,269,680	\$ 98,329,680

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Water Prj	Redevelopment/Reno	Water	Citywide

Project Name: Miscellaneous Water and Sewer Line Contract

Description: This is a series of projects that provide small water and sewer extensions, replacements or relocations, along with sewer rehabilitation using trenchless technology.

Justification: These projects are task order projects used by Utility staff to extend/relocate/replace/rehabilitate water or sewer lines on a task order basis and have been used for emergency work when needed. Having money appropriated in case of an emergency allows for added responsiveness by the water department when needed.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Miscellaneous Water and Sewer Line Contract	\$ 17,800,000	\$ 15,400,000	\$ 16,750,000	\$ 16,750,000	\$ 16,250,000	\$ 82,950,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	17,800,000	15,400,000	16,750,000	16,750,000	16,250,000	82,950,000
Total	\$ 17,800,000	\$ 15,400,000	\$ 16,750,000	\$ 16,750,000	\$ 16,250,000	\$ 82,950,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Water Prj	Street Maint	Water	Citywide

Project Name: Water Sewer Program - Streets

Description: The water and sewer street maintenance project provides for the replacement of water and sewer lines that are old and/or have a high maintenance record in streets that are scheduled for reconstruction.

Justification: Many of these lines need to be replaced due to maintenance history, use of obsolete pipeline materials, age, or necessity from street construction.

Projected Date Range: Programmable Project

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water Sewer Program - Streets	\$ 28,101,736	\$ 36,215,168	\$ 37,844,431	\$ 40,000,140	\$ 45,850,000	\$188,011,475

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	28,101,736	36,215,168	37,844,431	40,000,140	45,850,000	188,011,475
Total	\$ 28,101,736	\$ 36,215,168	\$ 37,844,431	\$ 40,000,140	\$ 45,850,000	\$188,011,475

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital programmable project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Water Prj	Trinity River Vision	Water	Citywide

Project Name: IH-35 Expansion-Water/Sewer

Description: The relocation of water and sewer lines in conflict with the expansion/widening of IH-35W is being performed in partnership with TxDOT.

Justification: TxDOT is widening IH-35W from Spur 280 north to Eagle Parkway, requiring the relocation of water and sewer mains in conflict with the project. The relocations, with the exception of City betterments, are partially reimbursable.

Projected Date Range: FY 2019 – FY 2021

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
IH35 Expansion-Water/Sewer P_P00085	\$ 1,000,000	\$ 2,500,000	\$ 600,000	\$ -	\$ -	\$ 4,100,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
WS Future Debt	1,000,000	2,500,000	600,000	-	-	4,100,000
Total	\$ 1,000,000	\$ 2,500,000	\$ 600,000	\$ -	\$ -	\$ 4,100,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Water Prj	Trinity River Vision	Water	Citywide

Project Name: Trinity River Vision Program - Water and Sewer

Description: The water and sewer portion of the TRV program relocates water and sewer lines that are in conflict with the U.S. Army Corps of Engineers (USACE) Trinity River Vision-Central City flood control project and extending or increasing the size of water and sewer mains to address City operational or future development requirements.

Justification: The TRV program includes a master plan adopted by the City Council and is in partnership with the Tarrant Regional Water District (TRWD), Trinity River Vision Authority (TRVA), USACE, Tarrant County, the Texas Department of Transportation (TxDOT) and Streams and Valleys, Inc. It is anticipated the City will be reimbursed for a portion of the costs as defined in the Interlocal Cooperative Agreement with the TRWD adopted by the City Council.

Projected Date Range: FY 2019 – FY 2023

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Trinity River Vision Program - Water and Sewer	\$ 4,648,900	\$ 27,004,500	\$ 19,105,200	\$ 9,186,793	\$ 5,870,749	\$ 65,816,142

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
WS Future Debt	4,648,900	27,004,500	19,105,200	9,186,793	5,870,749	65,816,142
Total	\$ 4,648,900	\$ 27,004,500	\$ 19,105,200	\$ 9,186,793	\$ 5,870,749	\$ 65,816,142

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.

Project Details

Plan	Chapter	Category	Department	Council District
Water	Water Prj	Vehicles	Water	Citywide

Project Name: Water Vehicles 2019

Description: Replacements of vehicles for Field Operations, Meter Services, Safety and Security.

Justification: Vehicles have reached the end of their service life.

Projected Date Range: FY 2019

Project Request	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water Vehicles 2019	\$ 941,000	\$ -	\$ -	\$ -	\$ -	\$ 941,000

Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Water & Sewer	941,000	-	-	-	-	941,000
Total	\$ 941,000	\$ -	\$ -	\$ -	\$ -	\$ 941,000

Full Annual Operating Budget Impact

	Fund	Department	Amount	AP's
Revenue				
Personnel Costs				
Operating Costs				
Total				

Impact Comments: This capital project will not incur operational costs.