



2018-2027 Proposed Capital Improvement Plan

City of Topeka, Kansas
Proposed March 14, 2017

TABLE OF CONTENTS



3	CIP Overview
4	Types of Projects
5	Highlighted Projects
6	Funding Source Definitions
7-9	Summary of Projects by Funding Source
10-12	Summary of changes 2017-21 CIP to 2018-22 CIP
13-14	2023-2027 List of Projects
15	Map of Projects
16	Debt Service Obligations
17-20	Other Fund Forecasts
	Project Summary Sheets (23-154):
21-56	General Obligation Bonds
57-75	Wastewater
76-82	Stormwater
83-97	Water
98-105	Citywide Half Cent Sales Tax
106-110	Federal Funds
111-120	General Fund and Debt Service Cash
121-140	IT Fund Cash
141-145	Parking Fund Cash
146-152	Countywide Half cent Sales Tax
	Appendices (153-156):
154-155	Appendix A: 2018-27 Future Funding Project list
156	Appendix B: Graphic Factsheet

CIP OVERVIEW



CIP Introduction and Process

The City's Capital Improvement Plan (CIP) approval process historically runs consecutively to the development of the annual City operating budget. Historically, the City Council has approved a five-year Capital Improvement Plan, which includes a two-year Capital Improvement Budget (CIB) comprised of the first two years of the plan. Beginning with the 2015 CIP, the Council was asked to adopt the CIP *before* the annual budget process, and to approve a three-year budget. This gives departments a three-year picture for capital project planning. It is noted that appropriations can only be made on an annual basis. In order to realize better financial planning this will be the first CIP that utilizes a 10 year time-frame as opposed to 5.

The following pages represent a summary of those projects scheduled to commence during the 2018 - 2020 budget years along with tables showing the adopted five-year Capital Improvement Plan as well as an additional 5 years of projects in list form. The Council's action in approving the Capital Budget authorizes staff to begin preliminary work on these projects. Included in this year's adoption of the Capital Improvement Plan are individual project sheets. If the CIP and corresponding resolution is approved, then expenditures for the projects included in this document are truly authorized, and construction work can begin when the revenue source is available. For projects financed with general obligation bonds, the project budget, bond resolution and bond ordinance provide the legal authority to issue bonds.

General Obligation (G.O.) bonds have been the primary method of financing for most projects outside of the enterprise operations. Beginning with the 2006 -2010 CIP , the City Manager recommended a citywide target of \$9,000,000 for G.O. bond projects each year, which had been roughly equivalent to the amount of principal paid each year. The City Council codified this target in 2016 as a 3 year \$27 million cap which would amount to an average of \$9 million over each of the Capital Improvement Budget's 3 years.

Project Definition

Capital improvement projects meeting one of the following criteria shall be included in the CIP Process:

- Real property acquisition.
- Construction of new facilities and addition to existing facility costing a minimum of \$50,000.



- Remodeling/repair of the interior/exterior of any facility exceeding \$25,000.
- Infrastructure project.
- Information technology projects costing a minimum of \$50,000.

Impact of Capital Improvement Projects on the Operating Budget

The projects approved for 2018-2027 are a mixture of new construction or expansion and projects that involve maintenance or rehabilitation and repair of existing facilities.

The majority falls into the rehabilitation and repair category. In these cases, the impact on the operating budget comes from a reduction in the demand for maintenance. However, these savings are not easily quantified as the remaining infrastructure is another year older and in need of increased maintenance.

Certain projects will have an impact on future operating budgets by either increasing or decreasing overhead costs like utilities, etc. For example, improving neighborhood infrastructure should decrease operations and maintenance costs in the operating public works budget by improving the existing infrastructure.

Project Prioritization Process

There are far more needed projects than funds available. In order to present a CIP in line with City priorities, staff conducts rigorous prioritization efforts.

Leveraging technical expertise and institutional knowledge, departments prioritized CIP projects and submitted them to the Finance Department which analyzed projects for financial prudence and met with the full CIP Committee to create the proposed CIP.

The recommended CIP is considered by the Planning Commission for compliance with the City's Comprehensive Plan, and the City Manager reviews the CIP for compliance with City strategic goals.

Completed CIP Projects

Staff continually updates the 10 year CIP lookback and plans to present on past CIP projects to council in March.

Item	Date
Staff Submits 2018-2027 CIP Requests	Dec. 2016
CIP Approved by Planning Commission	2/20/2017
CIP Presented to City Council	3/14/2017
Resolution and Project Budgets approved by Council	4/11/2017

TYPES OF PROJECTS



Types of Projects

Capital projects in the CIP are sorted by type of project to align with City priorities. Some projects may fit into several categories, so the dominant type is represented below. For example, bike lanes may be considered both Streets and Quality of Life but is included in “Streets” below. Types of projects include:

Neighborhoods 2018-2022 CIP: \$10,000,000

Projects to improve infrastructure within neighborhoods including streets, curbs, gutters, alleys and sidewalks; neighborhood projects are selected annually to leverage Stages of Resource Targeting (SORT), Community Development Block Grant (CDBG), and HOME Investment Partnership funds.

Funding source - G.O. Bonds, Federal Grants, and Utility funds.

Public Safety 2018-2022 CIP: \$26,790,003

Projects which improve Public Safety including purchase of Fire Apparatus and Fire Stations.

Funding source - G.O. Bonds and Cash

Traffic 2018-2022 CIP: \$5,905,000

Projects to improve traffic signal and traffic safety.

Funding source - G.O. Bonds.

Facilities 2018-2022 CIP: \$14,768,952

Projects to improve City facilities.

Funding source - G.O. Bonds and Cash

Streets 2018-2022 CIP: \$90,317,091

Includes maintenance of existing streets, construction of new streets, sidewalk maintenance, snow removal, bike lanes, streetscape improvements, alley repair, and curb and gutter repair.

Funding sources - G.O. Bonds, Federal Funds, Citywide Half-Cent Street Sales Tax, and Countywide Half-Cent Sales Tax.

Quality of Life 2018-2022 CIP: \$19,382,483

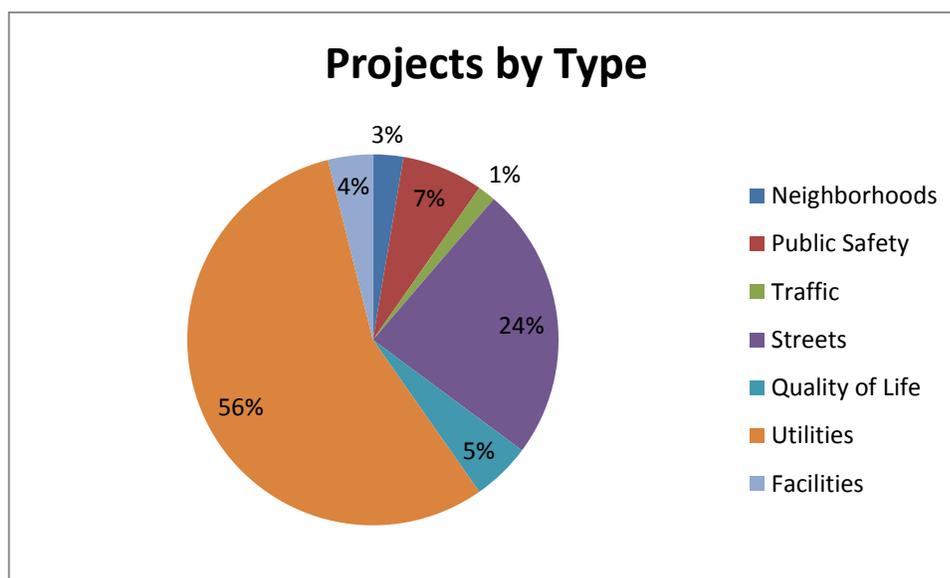
Projects that benefit quality of life including improvements to the Topeka Zoo.

Funding source - G.O. Bonds, Countywide Half-Cent Sales Tax, and Cash.

Utilities 2018-2022 CIP: \$211,145,351

Projects to improve or expand utility infrastructure.

Funding Source - cash from the Water, Wastewater, and Stormwater funds, in addition to Revenue Bonds.



HIGHLIGHTED PROJECTS



Non- Recurring Capital Projects

Detailed project sheets for all projects can be found in the CIP document. Highlighted non-recurring major projects in the 2018-2022 CIP include:

- **SW Arvonja Place/Huntoon Street/I-470 Ramps:** This project will improve traffic operations, safety, and level of service in the area of SW Arvonja Place, SW Huntoon Street, SW Winding Road, I-470 Ramps, and SW Wanamaker Road.
- **Construction of Fire Station (Station 13):** Design will begin in 2018 for a Fire Station in the 6th and Fairlawn area of the city, exact location to be determined.
- **Municipal Building Renovations:** Significant renovations to City Hall including sewer gas venting issue, domestic plumbing leaking, asbestos removal, and fixing fire suppressant system to be code compliant. The project will require significant construction to the interior of the building to mechanical and plumbing.
- **Ash Street Force Main:** This project will consist of preliminary and final design, and construction of a new force main from the Ash Street Pump Station to the influent of the Oakland Wastewater Treatment Plant. The area is being analyzed as part of the City's CSO Management Plan Project for possible increase in the sanitary sewer conveyance ability to assist in the mitigation of combined sewer overflows.
- **Zoo Master Plan:** The zoo master plan will be completed with the second round of Countywide Half-Cent Sales Tax funds. Combined with private donations, funds will include elements of the plan including Tiger Trails, Elephant Reserve, and Giraffe Canopy. This project also includes Camp Cowabunga.
- **2.0-MG West Elevated Tank:** This 2.0 MG elevated water storage tank on Indian Hills between 29th and 41st St will replace the existing 750k gallon elevated tank located at Indian Hills and 17th St. Additional storage is needed to maintain domestic service and fire flows and to provide operational equalization for pumps and booster stations, assisting in reducing broken mains in this area.
- **SW 10th Avenue -- SW Fairlawn Road to SW Wanamaker Road:** This project will widen SW 10th Avenue between SW Fairlawn Road and SW Wanamaker Road. The new roadway will include curb & gutter, sidewalks, street lighting, and a drainage system.

Recurring Capital Projects

Some projects are ongoing and reoccur every year. Highlighted recurring major projects in the 2018-2022 CIP include:

- **Neighborhood Infrastructure:** Annual project which targets certain neighborhoods and includes improvements such as rebuilding deteriorated streets, curb/gutter, alley and sidewalks.
- **Water Main Replacement Program:** Replace deteriorated water main that have a history of water main breaks. First priority is given to half-cent sales tax street projects.
- **Storm Conveyance System Rehab Program:** Replacement and rehabilitation of stormwater conveyance system components (inlets, pipes, channels, etc) to ensure continued operation, reduce maintenance and support other infrastructure improvements. First priority is given to half-cent sales tax street projects.
- **Wastewater Replacement & Rehab Program:** Replacement and Rehabilitation of sewer lining and/or replacement of conduits and manholes as well as address EPA required inflow and infiltration elimination.
- **Ongoing Half-Cent Sales Tax Maintenance and Improvement of Existing Streets:** This project will repair existing deteriorated streets at various locations city-wide.





Funding Source Definitions

Traditionally the Capital Improvement Plan utilizes a variety of funding sources. Major funding sources include:

G.O. Bond 2018-2022 CIP: \$65,422,248

General Obligation (G.O.) bonds are used to finance major capital projects with an expected life of 10 or more years. A general obligation bond is secured by the City's pledge to use any legally available resources, including tax revenue, to repay bond holders. The City used a portion of the property tax levy to finance the debt service payments.

Revenue Bonds 2018-2022 CIP: \$206,145,351*

The Water, Water Pollution Control, and Stormwater funds are enterprise funds, which are supported by fees for service rather than by taxes. Revenue bonds are a type of loan in which the loan is repaid with revenues from the enterprise, not by contributions from the General Fund. These loans are used to increase plant capacity and modernize the system.

**Will not bond full amount if cash is available.*



Citywide Half-Cent Street Sales Tax 2018-2022 CIP: \$27,646,311

This is funded by a voter approved half-cent sales tax initiative. It is dedicated to maintenance and repair and cannot be used for new street construction. The tax sunsets in 2019 and collects approximately \$14.7m per year.

Countywide Half-Cent Street Sales Tax 2018-2022 CIP: \$38,420,000

This is funded by a voter approved half-cent sales tax initiative. These projects represent what is proposed to be completed with the second round of funds collected from 2017-2031.

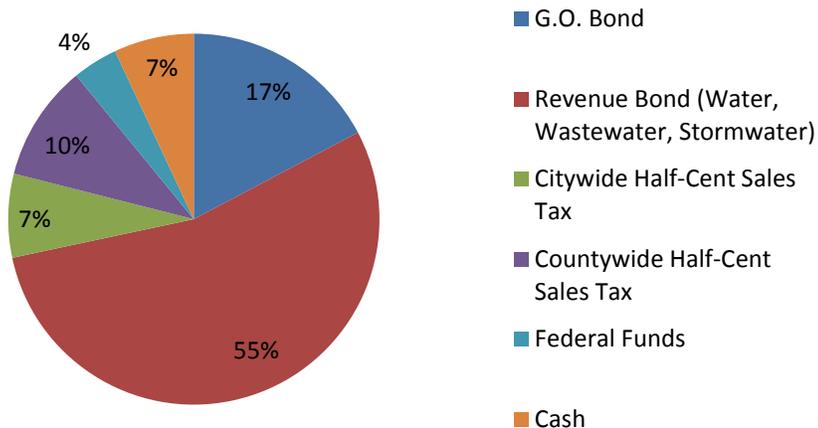
Federal Funds 2018-2022 CIP: \$14,930,000

Funds received from the Federal government.

Cash 2018-2022 CIP: \$25,744,970

When available and appropriate, the General Fund and enterprise funds pay for capital projects directly out of the operating budgets.

Projects by Funding Source



SUMMARY OF PROJECTS BY FUNDING SOURCE



Below is a summary of projects by Funding Source. The CIP document also includes detailed sheets for each project including project definition, Department, location, and impact on operating budgets.

	Proposed Number	Capital Improvement Budget				Capital Improvement Plan		5 Year Total
		Proposed 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022		
General Obligation Bond Projects								
Neighborhoods								
Neighborhood Infrastructure	T-601056.00	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000		\$7,000,000
Subtotal Neighborhoods		\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000		\$7,000,000
Public Safety								
Fire Station (FS #13)**	T-131023.00	\$5,776,261						\$5,776,261
Fire Station (FS #14)**	T-131037.00				\$5,776,261			\$5,776,261
Purchase Two Engine Apparatus (Engines 1 & 11)	T-801004.00	\$1,345,500						\$1,345,500
Purchase One Aerial Apparatus (Aerial 8)	T-801005.00		\$1,345,500					\$1,345,500
Purchase Two Engine Apparatus (Engines 8 & 10)	T-801006.00			\$1,345,500				\$1,345,500
Purchase 2 Trucks (Trucks 3 & 9)	T-801007.00				\$1,552,500			\$1,552,500
Purchase Two Engine Apparatus (Engines 3 & 9)	T-801014.00					\$1,424,670		\$1,424,670
Fire Portable Radios	T-801015.00					\$693,450		\$693,450
Subtotal Public Safety		\$7,121,761	\$1,345,500	\$1,345,500	\$7,328,761	\$2,118,120		\$19,259,642
Traffic								
Traffic Safety Projects	T-601057.00	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000		\$1,100,000
Traffic Signal Replacement	T-141020.00	\$885,000	\$885,000	\$885,000	\$885,000	\$885,000		\$4,425,000
Public Works Facilities Assessment	T-131050.00			\$80,000	\$150,000	\$150,000		\$380,000
Subtotal Traffic		\$1,105,000	\$1,105,000	\$1,185,000	\$1,255,000	\$1,255,000		\$5,905,000
Streets								
Complete Streets	T-601058.00	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000		\$500,000
Citywide Infrastructure	T-601059.00	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000		\$1,000,000
SE California Ave. -- 29th St. to 33rd St.	T-701011.00	\$500,000						\$500,000
Bike Lanes on SE 6th & SE 10th Ave Bridges over I-70	T-861009.00					\$500,000		\$500,000
SW Arvoncia Place/Huntoon Street/I-470 Ramps	T-701014.00		\$1,023,500	\$1,024,000	\$1,594,000			\$3,641,500
Infill Sidewalks/Pedestrian Master Plan	T-241034.00	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000		\$3,000,000
SW 10th Avenue -- SW Fairlawn Road to SW Wanamaker Road	T-701015.00			\$240,000	\$1,360,000	\$4,000,000		\$5,600,000
SW Wanamaker Rd/SW Huntoon/ I470 Ramps	T-701018.00			\$200,000	\$1,000,000	\$1,000,000		\$2,200,000
NW Tyler St, NW Lyman Rd to NW Paramore St	T-701019.00			\$150,000	\$150,000	\$1,600,000		\$1,900,000
SE 29th Street/KTA Interchange	T-701017.00					\$500,000		\$500,000
SW 29th St Burlingame to Mulvane	T-601069.00					\$50,000		\$50,000
SE Quincy St from 6th-8th	T-601070.00					\$300,000		\$300,000
SW 10th Wanamaker-SW Gerald	T-701023.00					\$150,000		\$150,000
South Kansas Avenue (1st-6th St)	T-701024.00			\$150,000	\$50,000	\$100,000		\$300,000
Wayfinding Signs	T-861014.00	\$300,000	\$170,000					\$470,000
Subtotal Streets		\$1,700,000	\$2,093,500	\$2,664,000	\$5,054,000	\$9,100,000		\$20,611,500
Quality of Life								
Zoo Parking Lot Resurfacing and Enlargement Phase 1	T-301052.00	\$416,079						\$416,079
Zoo Tropical Rain Forest HVAC Replacement	T-301053.00		\$243,432					\$243,432
Zoo Discovering Apes Roof Replacement	T-301054.00			\$191,009				\$191,009
Kay's Garden	T-301049.00	\$2,233,086						\$2,233,086
Zoo Public Area Electrical Upgrade	T-301055.00					\$262,500		\$262,500
Zoo - School and Group Entrance and Parking Lot Phase 2	T-301056.00			\$600,000				\$600,000
Zoo Public Path Barrier Replacement Project	T-301057.00					\$500,000		\$500,000
Subtotal Quality of Life		\$2,649,165	\$243,432	\$791,009	\$0	\$762,500		\$4,446,106
City Facilities								
Municipal Building Renovations	T-131036.00	\$1,350,000	\$2,000,000	\$2,000,000	\$1,650,000	\$1,200,000		\$8,200,000
Subtotal Facilities		\$1,350,000	\$2,000,000	\$2,000,000	\$1,650,000	\$1,200,000		\$8,200,000
Annual Total GO Bond Projects		\$15,325,926	\$8,187,432	\$9,385,509	\$16,687,761	\$15,835,620		\$65,422,248
TOTAL GO Bond Projects in CIB								
Total Aggregate Target for CIB								
Difference Target to Subtotal								
Difference Target to Subtotal, excluding Kay's Garden and Prior Station Authorization*								

*The city is bonding the project cost, but Friends of the Zoo (FOTZ) will pay \$250,000 annually to cover the full debt payment.

**Prior authorization amounts have been backed out and were included in prior GO bond caps.



	Proposed Number	Capital Improvement Budget			Capital Improvement Plan		
		Proposed 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022	5 Year Total
Utility Funded Projects							
Utilities/Wastewater Fund							
Annual Wastewater Lining & Replacement Program	T-291048.00	\$2,000,000	\$3,000,000	\$4,000,000	\$5,000,000	\$8,000,000	\$22,000,000
Annual WPC Facility Rehabilitation Program	T-291069.00	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
Annual Small WW Pump Station Rehab & Repl Progr.	T-291068.00	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$7,500,000
Annual Sanitary Sewer Interceptor Maint & Rehab	T-291067.00	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$7,500,000
Annual WPC Operations Equipment & Fleet Maint. & Replacement Program	T-291080.00	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000
Annual WPC Inflow & Infiltration Program & Neighborhood Infrastructure	T-291084.00	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
Lining Repairs - NTWWTP and Wanamaker PS	T-291043.00	\$1,178,414					\$1,178,414
Wanamaker Force Main Rehab Repl	T-291056.00	\$8,500,000					\$8,500,000
Ash St Force Main Repl	T-291057.00	\$2,500,000					\$2,500,000
Shunga Pump Station Rehab	T-291058.00	\$6,500,000					\$6,500,000
Oakland Aerator & Mixing Repl	T-291060.00	\$2,500,000					\$2,500,000
Eastside IS-Relief-CSO#3 to Ash St PS*	T-291050.00	\$900,000	\$7,448,760				\$8,348,760
Grant/Jefferson Pump Station Rehab	T-291061.00	\$1,321,000	\$9,000,000				\$10,321,000
Oakland WWTP - UV Expansion	T-291062.00		\$2,703,750				\$2,703,750
NTWWTP Nutrient Removal	T-291052.00			\$6,363,627			\$6,363,627
Oakland Wastewater Treatment Plant Solids Handling/Facility Upgrades Phase II	T-291018.02	\$10,500,000					\$10,500,000
Oakland WWTP - Headworks Generator	T-291040.00				\$850,000		\$850,000
North Topeka Pump Station Rehabilitation	T-291087.00				\$2,846,000		\$2,846,000
Subtotal Wastewater		\$40,699,414	\$26,952,510	\$15,163,627	\$13,496,000	\$12,800,000	\$109,111,551
Utilities/Stormwater Fund							
Annual Storm Conveyance System Rehab	T-501035.00	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$12,500,000
Annual Stormwater Operations Equipment & Fleet Mant. & Replacement Program	T-501038.00	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000
Annual Drainage Correction Program	T-151031.00	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000
Annual Levee Asset Repair / Rehab Program	T-161003.00	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Annual BMP Development & Construction	T-501042.00	\$100,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,100,000
Kansas River Levee System Rehabilitation - Ph. II	T-831000.01	\$2,700,000					\$2,700,000
Subtotal Stormwater		\$6,100,000	\$3,550,000	\$3,550,000	\$3,550,000	\$3,550,000	\$20,300,000
Utilities/Water Fund							
Annual Water Main Replacement Program	T-281095.00	\$3,000,000	\$3,000,000	\$3,000,000	\$4,500,000	\$4,000,000	\$17,500,000
Annual Water Plant Rehabilitation Program	T-281113.00	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
Annual Water Plant Operations Equipment & Fleet Maint. & Replacement Program	T-281124.00	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
18" Indian Hills Rd., SW 29th to 21st St.	T-281090.00	\$1,288,250					\$1,288,250
CIS Utility Billing, Dynamic Portal, CS System	T-801013.00	\$650,000					\$650,000
East High Service Pumping Motor Control and Electrical Switch Gear	T-281107.00	\$2,689,950					\$2,689,950
2.0-MG West Elevated Tank - Indian Hills Road	T-281055.00	\$4,744,300					\$4,744,300
Citywide Water Meter Replacement/AMI Upgrade	T-281141.00	\$12,485,000					\$12,485,000
Soldier Township Transmission Improvements	T-281106.00				\$1,299,575		\$1,299,575
Disinfection Modification Phase I	T-281037.02		\$10,000,000				\$10,000,000
18" on SW Fairlawn and SW 45th - SW 41st to SW Gage	T-281108.00				\$2,213,250		\$2,213,250
Disinfection Modification Phase II	T-281037.03			\$12,000,000			\$12,000,000
16" on SW Wenger - Home Depot to SW 57th; 18" on SW 57th - SW Wenger to SW Topeka	T-281142.00					\$2,462,950	\$2,462,950
24" on SW MacVicar - SW 29th to SW 37th	T-281143.00					\$2,400,525	\$2,400,525
Subtotal Water		\$26,257,500	\$14,400,000	\$16,400,000	\$9,412,825	\$10,263,475	\$76,733,800
Total Utility Fund		\$73,056,914	\$44,902,510	\$35,113,627	\$26,458,825	\$26,613,475	\$206,145,351

* This effort is part of a Consent Order Agreement by and between KDHE and the City of Topeka



	Proposed Number	Capital Improvement Budget			Capital Improvement Plan			5 Year Total
		Proposed 2018	Proposed 2019	Proposed 2020	Proposed 2021	Proposed 2022		
Other Funding Sources								
City Half-Cent Sales Tax Street Repair								
Maintain & Improve Existing Streets 2018	T-841017.01	\$8,660,311						\$8,660,311
Maintain & Improve Existing Streets 2019	T-841017.02		\$8,800,000					\$8,800,000
ADA Sidewalk Ramp Repair	T-241036.00	\$300,000	\$300,000					\$600,000
Curbs, Gutters & Street Repair	T-841034.00	\$1,500,000	\$1,500,000					\$3,000,000
Alley Repair	T-841041.00	\$250,000	\$250,000					\$500,000
Sidewalk Repair Program	T-241037.00	\$100,000	\$100,000					\$200,000
Street Maintenance and Repair: Local Streets	T-841040.00	\$2,998,000	\$2,888,000					\$5,886,000
Subtotal Half-Cent Sales Tax		\$13,808,311	\$13,838,000	\$0	\$0	\$0		\$27,646,311
Federal Funds								
Bridge on SW Cherokee St over Ward Cr.	T-121001.00	\$730,000						\$730,000
Bridge on SW 3rd St over Ward Cr.	T-121003.00	\$50,000	\$750,000					\$800,000
Bridge on SE 29th Street over Butcher Creek	T-121005.00	\$80,000	\$70,000	\$850,000				\$1,000,000
Neighborhoods Infrastructure	T-601056.00	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000		\$3,000,000
Kansas River Levee System Rehabilitation - Ph. II	T-831000.01	\$5,000,000						\$5,000,000
Bridge Deck Patching and Polymer Overlay	T-121006.00				\$1,200,000			\$1,200,000
SW Arvonita Place/Huntoon Street/I-470 Ramps	T-701014.00	\$1,000,000						\$1,000,000
SW Wanamaker Rd/SW Huntoon/I-470 Ramps	T-701018.00			\$1,100,000	\$1,100,000			\$2,200,000
Subtotal Fed Funds		\$7,460,000	\$1,420,000	\$2,550,000	\$2,900,000	\$600,000		\$14,930,000
General Fund/Debt Service Cash								
Body Worn Camera/Taser Equipment Replacement Plan	T-801016.00	\$291,865	\$235,224	\$235,224	\$235,224	\$235,224		\$1,232,761
Zoo Service Road Repair	T-301051.00				\$217,060			\$217,060
Self Contained Breathing Apparatus (SCBA) - Fire	T-801009.00	\$159,304	\$159,304	\$159,304	\$159,304	\$159,304		\$796,520
City4 TV Equipment Replacement	T-861011.00	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000		\$350,000
Fire Station (FS #13) Furniture	T-131037.00	\$200,000						\$200,000
Fire Station (FS #14) Furniture	T-131023.00				\$200,000			\$200,000
GPS Based AVL System	T-861015.00		\$100,000	\$100,000	\$100,000	\$100,000		\$400,000
GeoCortex	T-801017.00			\$59,280				\$59,280
Public Safety/Code Compliance at Municipal Buildings	T-131051.00	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000		\$500,000
Fire House Annual Renovation	T-131052.00	\$321,080	\$370,000	\$370,000	\$370,000	\$370,000		\$1,801,080
Police Department Fleet Replacement	T-801018.00	\$800,000	\$500,000	\$500,000	\$500,000	\$500,000		\$2,800,000
Subtotal General/Debt Service Fund Cash		\$1,942,249	\$1,534,528	\$1,593,808	\$1,951,588	\$1,534,528		\$8,556,701
IT Fund Cash								
Telephone System Replacement	IS - 2017-004	\$137,000						\$137,000
Desktop Computer Replacement	IS - 2017-005	\$83,250	\$83,250	\$83,250				\$249,750
Security System Replacement	IS - 2017-006	\$52,500	\$52,500	\$52,500				\$157,500
Data Back-up System Replacement	IS - 2017-007	\$62,500	\$62,500	\$62,500				\$187,500
Citywide Single Payment Portal	T-801011.00	\$190,000						\$190,000
Citywide Asset Management Upgrade	T-801012.00	\$360,000	\$300,000					\$660,000
Microsoft Azure	IS - 2018-001	\$150,000	\$100,000	\$50,000				\$300,000
Network Switch Upgrade - Phase-1	IS - 2019-001		\$125,000	\$125,000	\$125,000	\$125,000		\$500,000
Computer Upgrade - 2	IS - 2018-002	\$44,750	\$44,750	\$44,750	\$44,750			\$179,000
Microsoft Enterprise Agreement	IS - 2019-002		\$316,667		\$316,666			\$950,000
Network Switch Upgrade - Phase - 2	IS - 2020-001			\$21,878	\$21,878	\$21,878		\$65,634
Computer Upgrade - 3	IS - 2019-003		\$37,250	\$37,250	\$37,250	\$37,250		\$149,000
Fire Department Mobile Data Terminal Upgrade	IS - 2020-003			\$31,250	\$31,250	\$31,250		\$93,750
Police Department Mobile Data Terminal Upgrade Phase - 1	IS - 2020-004			\$56,250	\$56,250	\$56,250		\$168,750
Police Department Mobile Data Terminal Upgrade Phase-2	IS - 2020-005			\$25,000	\$25,000	\$25,000		\$75,000
Storage Area Network Upgrade	IS - 2020-006			\$162,500	\$162,500	\$162,500		\$487,500
Security Systems Replacement - 2	IS - 2020-002			\$65,000	\$65,000	\$65,000		\$195,000
Computer Upgrade - 4	IS - 2020-007			\$33,250	\$33,250	\$33,250		\$99,750
Data Back-up System Replacement - 2	IS - 2020-008			\$75,000	\$75,000	\$75,000		\$225,000
Subtotal IT Fund Cash		\$1,080,000	\$1,121,917	\$1,242,045	\$993,794	\$632,378		\$5,070,134
Parking Fund Cash								
512 Jackson Elevator Upgrade	T-131053.00		\$105,881	\$105,881				\$211,762
9th Street Elevator	T-131055.00	\$123,528	\$123,528					\$247,056
Parking Garage Systems (Hardware and Software)	T-601071.00	\$138,000	\$138,000	\$138,000	\$138,000	\$138,000		\$690,000
Subtotal Parking Fund Cash		\$261,528	\$367,409	\$243,881	\$138,000	\$138,000		\$1,148,818
Donations/Outside Funding Sources								
Zoo Masterplan	T-301047.00	\$1,800,000		\$1,500,000		\$5,000,000		\$8,300,000
Kay's Garden	T-301049.00	\$2,669,317						\$2,669,317
Subtotal Donations		\$4,469,317	\$0	\$1,500,000	\$0	\$5,000,000		\$10,969,317
Countywide Sales Tax Proposal								
SW 6th-Gage to Fairlawn	T-701013.00	\$3,100,000						\$3,100,000
Kay's Garden	T-301049.00	\$500,000						\$500,000
Zoo Masterplan	T-301047.00	\$1,000,000		\$250,000		\$1,750,000		\$3,000,000
Bikeway Master Plan	T-861010.00	\$500,000		\$500,000		\$500,000		\$1,500,000
12th Street (2 lanes) - Gage Blvd to Kansas Ave	T-701016.00		\$500,000	\$400,000	\$6,140,000	\$6,140,000		\$13,180,000
SE California Avenue -- SE 37th Street to SE 45th Street	T-701021.00	\$200,000	\$400,000	\$5,000,000				\$5,600,000
S.W. 17th Street, MacVicar to Interstate 470	T-701025.00				\$800,000	\$500,000		\$1,300,000
Pavement Management Project	T-601071.00	\$3,330,000	\$3,330,000	\$3,330,000				\$9,990,000
Zoo - School and Group Entrance and Parking Lot Phase 2	T-301056.00			\$250,000				\$250,000
Subtotal Countywide Sales Tax		\$8,630,000	\$4,230,000	\$9,730,000	\$6,940,000	\$8,890,000		\$38,420,000
Total Other Sources		\$37,651,405	\$22,511,854	\$16,859,734	\$12,923,382	\$16,794,906		\$106,741,281
Total Capital Improvements		\$ 126,034,245	\$ 75,601,796	\$ 61,358,870	\$ 56,069,968	\$ 59,244,001		\$ 378,308,880

2018-2027 CAPITAL IMPROVEMENT PLAN

TOPEKA, KANSAS

SUMMARY OF CHANGES 2017-21 AND 2018-22 CIPs



Below is a comparison document that details difference in funding amounts for 2017-2021 CIP projects and 2018-2022 CIP projects. A reason is also given for the fading change.

Comparison of the Adopted 2017-2021 CIP to the Proposed 2018-2022 CIP	2017-2021 Adopted 5 Year Total	2018-2022 Proposed 5 Year Total	Why the funding amount changed
Neighborhoods			
Neighborhood Infrastructure	\$7,000,000	\$7,000,000	No Change
Public Safety			
Fire Station (FS #14)	\$3,404,413	\$5,776,261	Includes full amount in 2018.
Fire Station (FS #13)	\$0	\$5,776,261	Added back in from previous CIP
Secure Staging Facility	\$750,000	\$0	Moved to 2023-2027 list.
Purchase 1 Truck Apparatus (Truck 10)	\$750,375	\$0	Past project.
Purchase Two Engine Apparatus (Engines 1 & 12)	\$1,345,500	\$0	See project below; 1 engine was switched.
Purchase Two Engine Apparatus (Engines 1 & 11)	\$0	\$1,345,500	1 engine switched out
Purchase One Aerial Apparatus (Aerial 8)	\$1,345,500	\$1,345,500	No change
Purchase Two Engine Apparatus (Engines 8 & 10)	\$1,345,500	\$1,345,500	No change
Purchase 2 Trucks (Trucks 3 & 9)	\$1,552,500	\$1,552,500	No change
Purchase Two Engine Apparatus (Engines 3 & 9)	\$0	\$1,424,670	New project
Fire Portable Radios	\$0	\$693,450	New project
Traffic			
Traffic Safety Projects	\$925,000	\$1,100,000	Slight increase - additional safety enhancements vehicular, pedestrian and bike detection
Traffic Signal Replacement	\$2,560,000	\$4,425,000	Increased schedule to 4 signal replacements per year with pedestrian improvements
Public Works facilities Assessment	\$0	\$380,000	New project - assess condition and needs of Public Works Facilities
Streets			
Complete Streets	\$500,000	\$500,000	No Change
Citywide Infrastructure	\$1,000,000	\$1,000,000	No Change
SE California Ave. -- 29th St. to 33rd St.	\$2,700,000	\$500,000	Funding included in 2016 and 2017.
Bike Lanes on SE 6th & SE 10th Ave Bridges over I-70	\$500,000	\$500,000	No Change
SW Arvonla Place/Huntoon Street/I-470 Ramps	\$2,250,000	\$3,641,500	Updated project costs
Infill Sidewalks/Pedestrian Master Plan	\$3,000,000	\$3,000,000	No change
SW 10th Avenue -- SW Fairlawn Road to SW Wanamaker F	\$6,000,000	\$5,600,000	Majority of engineering costs are in 2017
SW Wanamaker Rd/SW Huntoon/ I470 Ramps	\$2,200,000	\$2,200,000	No change
NW Tyler St, NW Lyman Rd to NW Beverly St	\$1,800,000	\$1,900,000	Updated project costs
SE 29th Street/KTA Interchange	\$500,000	\$500,000	No Change
SW 29th St Burlingame to Mulvane	\$0	\$50,000	New project - initial engineering phase
SE Quincy St from 6th-8th	\$0	\$300,000	New project - projected engineering design fee
SW 10th Wanamaker-SW Gerald	\$0	\$150,000	New project - projected engineering design fee
Kansas Avenue Project 1st-6th	\$0	\$300,000	New project - initial engineering phase
Wayfinding Signs	\$0	\$470,000	New project - projected signage cost
Quality of Life			
Zoo Parking Lot Resurfacing and Enlargement Phase 1	\$396,267	\$416,079	Increased slightly to account for inflation
Zoo Tropical Rain Forest HVAC Replacement	\$194,040	\$243,432	Increased slightly to account for inflation
Zoo Discovering Apes Roof Replacement	\$181,913	\$191,009	Increased slightly to account for inflation
Kay's Garden	\$2,233,086	\$2,233,086	No change
Zoo Public Area Electrical Upgrade	\$0	\$262,500	New project
Zoo - School and Group Entrance and Parking Lot Phase 2	\$0	\$600,000	New project
Zoo Public Path Barrier Replacement Project	\$0	\$500,000	New project
City Facilities			
Municipal Building Renovations (2 Projects: Elect/HVAC/Mechanical and Abatement/Plumbing)	\$3,013,539	\$8,200,000	Expanded original project - roughly 5 yr duration for renovation
Sustainability Initiative: High Efficiency LEDs	\$1,303,400	\$0	Moved to unfunded list.



Comparison of the Adopted 2017-2021 CIP to the Proposed 2018-2022 CIP	2017-2021 Adopted 5 Year Total	2018-2022 Proposed 5 Year Total	Why the funding amount changed
Utilities/Wastewater Fund			
Wastewater Lining & Replacement Program	\$2,000,000	\$22,000,000	Assumed Rate Increases
Adams St IS Rehabilitation	\$1,550,000	\$0	2017 project
Lining Repairs - NTWWTP and Wanamaker PS	\$1,500,000	\$1,178,414	2017 funding
Eastside IS-Relief-CSO#3 to Ash St PS	\$8,348,760	\$8,348,760	No Change
NTWWTP Nutrient Removal	\$6,363,627	\$6,363,627	No Change
Oakland WWTP - UV Expansion	\$2,703,750	\$2,703,750	No Change
Wastewater Plant Operations Equipment & Fleet Maint. & Replacement Program	\$1,100,000	\$1,500,000	Assumed Rate Increases
Annual WPC Inflow & Infiltration Program & Neighborhood In Oakland Wastewater Treatment Plant Solids Handling/Facility Upgrades Phase II	\$2,500,000	\$2,500,000	No Change
	\$8,098,274	\$10,500,000	Expanded Project - Assumed Rate Increases Contained in Annual WPC Inflow & Infiltration Program & Neighborhood Infrastructure
Neighborhood Infrastructure	\$750,000	\$0	
Combined Sewer Overflow Management Plan	\$391,000	\$0	2017 funding
Annual WPC Facility Rehabilitation Program	\$2,000,000	\$5,000,000	Assumed Rate Increases
ADS System Meter Upgrade & Maint. Program	\$1,115,000	\$0	Moved to operating budget
Annual Small WW Pump Station Rehab & Repl Program	\$3,000,000	\$7,500,000	Assumed Rate Increases
Annual Sanitary Sewer Interceptor Maint & Rehab	\$3,000,000	\$7,500,000	Assumed Rate Increases
SCADA System Upgrade	\$406,000	\$0	2017 project
Wanamaker Force Main Rehab Replacement	\$8,625,000	\$8,500,000	2017 funding
Ash St Force Main Replacement	\$5,000,000	\$2,500,000	2017 funding
Shunga Pump Station Rehab	\$6,800,000	\$6,500,000	2017 funding
WW Pump Station VFD Replacement	\$1,000,000	\$0	2017 project
Oakland Aerator & Mixing Replacement	\$5,000,000	\$2,500,000	2017 funding
Grant/Jefferson Pump Station Rehab	\$10,321,000	\$10,321,000	No change
			Moved in from future funding list - Assumed Rate Increases
Oakland WWTP - Headworks Generator	\$0	\$850,000	
North Topeka Pump Station Rehabilitation	\$0	\$2,846,000	New project - Assumed Rate Increases
Utilities/Stormwater Fund			
Annual Storm Conveyance System Rehab	\$3,500,000	\$12,500,000	Assumed Rate Increases
Kansas River Levee System Rehabilitation - Ph. II	\$6,300,000	\$2,700,000	2017 funding
Annual Levee Repairs / Replacement Program	\$4,726,700	\$0	2017 project
Adams St IS SW Removal	\$2,456,828	\$0	2017 project
Annual Stormwater Operations Equipment & Fleet Mant. & F	\$900,000	\$1,500,000	Assumed Rate Increases
Annual Drainage Correction Program	\$1,500,000	\$1,500,000	No Change
Annual Levee Asset Repair / Rehab	\$1,000,000	\$1,000,000	No change
Annual BMP Development & Construction Program	\$500,000	\$1,100,000	Assumed Rate Increases
Shunga Flood Mitigation Study	\$560,000	\$0	2017 funding
Utilities/Water Fund			
Annual Water Main Replacement Program	\$10,500,000	\$17,500,000	Assumed Rate Increases
Annual Water Plant Rehabilitation Program	\$3,200,000	\$5,000,000	Assumed Rate Increases
18" on Indian Hills Rd., SW 29th to 21st St.	\$1,827,350	\$1,288,250	2017 funding
2.2-MGD Meriden Booster Pump Station	\$788,826	\$0	2017 project
East High Service Pumping Motor Control and Electrical Swi	\$2,689,950	\$2,689,950	No change
2.0-MG West Elevated Tank - Indian Hills Road	\$4,744,300	\$4,744,300	No change
Annual Water Plant Operations Equipment & Fleet Maint. & I	\$800,000	\$2,000,000	Assumed Rate Increases
24" on Crane - NW Harrison to NE Branner; 24" on Jefferson - NE Crane to SE 2nd	\$491,100	\$0	2017 project
Annual Valve & hydrant Exercising Repl Program	\$200,000	\$0	2017 project
City-Wide Water Meter Replacement/AMI Upgrade	\$1,150,000	\$12,485,000	New title; expanded - Assumed Rate Increases
Water Storage Tank Maint (Inspect-Repair-Painting)	\$1,150,000	\$0	2017 project
Rehab East Filters at the Water Treatment Plant	\$1,600,000	\$0	2017 project
Water Treatment Plant Master Plan Update	\$200,000	\$0	2017 project
Water Distribution Master Plan Update	\$150,000	\$0	2017 project
24" NE Strait from NE Seward to SE 6th Ave	\$2,700,000	\$0	2017 project
Phase II Layne High Service Pump Rehabilitation	\$1,402,500	\$0	2017 project
CIS Utility Billing, Dynamic Portal, CS System	\$1,150,000	\$650,000	2017 funding
Upstream River Weir	\$300,000	\$0	2017 project
Soldier Township Transmission Improvements	\$0	\$1,299,575	New project - Assumed Rate Increases
Disinfection Modification Phase I	\$0	\$10,000,000	New project - Assumed Rate Increases
18" on SW Fairlawn and SW 45th - SW 41st to SW Gage	\$0	\$2,213,250	New project - Assumed Rate Increases
Disinfection Modification Phase II	\$0	\$12,000,000	New project - Assumed Rate Increases
16" on SW Wenger - Home Depot to SW 57th; 18" on SW 57th - S	\$0	\$2,462,950	New project - Assumed Rate Increases
24" on SW MacVicar - SW 29th to SW 37th	\$0	\$2,400,525	New project - Assumed Rate Increases



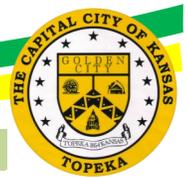
Comparison of the Adopted 2017-2021 CIP to the Proposed 2018-2022 CIP	2017-2021 Adopted 5 Year Total	2018-2022 Proposed 5 Year Total	Why the funding amount changed
City Half-Cent Sales Tax Street Repair			
	\$9,350,000	\$0	Updated amount; 2020 not shown due to expiring tax
Maintain & Improve Existing Streets 2017, 2018, 2019	\$9,485,000	\$8,660,311	Updated amount; 2020 not shown due to expiring tax
	\$9,621,350	\$8,800,000	Updated amount; 2020 not shown due to expiring tax
ADA Street Curb Repair	\$900,000	\$600,000	Updated amount; 2020 not shown due to expiring tax
Curbs, Gutters and Street Maintenance and Repair	\$4,500,000	\$3,000,000	Updated amount; 2020 not shown due to expiring tax
Alley Repair	\$750,000	\$500,000	Updated amount; 2020 not shown due to expiring tax
Sidewalk Repair Program	\$300,000	\$200,000	Updated amount; 2020 not shown due to expiring tax
Street Maintenance and Repair: Local Streets	\$6,000,000	\$5,886,000	Updated amount; 2020 not shown due to expiring tax
Federal Funds			
Bridge on SW Cherokee St over Ward Cr.	\$780,000	\$730,000	2017 portion completed
Bridge on SW 3rd St over Ward Cr.	\$875,000	\$800,000	2017 portion completed
Bridge on SE 29th Street over Butcher Creek	\$1,000,000	\$1,000,000	No Changes
Neighborhoods Infrastructure (Housing Portion)	\$3,000,000	\$3,000,000	No Changes
Kansas River Levee System Rehabilitation - Ph. II	\$15,000,000	\$5,000,000	2017 funding
Bridge Deck Patching and Polymer Overlay	\$1,200,000	\$1,200,000	No change
SW Arvonia Place/Huntoon Street/I-470 Ramps	\$2,750,000	\$1,000,000	Actual contribution from the State of KS
SW Wanamaker Rd/SW Huntoon/ I470 Ramps	\$2,200,000	\$2,200,000	No change
Upstream River Weir	\$500,000	\$0	2017 project
General Fund/Debt Service Cash			
Fire House Annual Renovations	\$400,000	\$1,801,080	New project title, increased funding
Police Department Fleet Replacement	\$1,850,000	\$2,800,000	Increased slightly
City4 TV Equipment Replacement	\$350,000	\$350,000	No change
Zoo Service Road Repair	\$206,724	\$217,060	Increased due to inflation
Hall	\$383,800	\$0	2017 Project
LEC Parking Garage	\$887,000	\$0	Completed
Municipal Buildings Roof Replacement	\$73,000	\$0	Combined with municipal renovations
Self Contained Breathing Apparatus (SCBA)	\$636,444	\$796,520	Updated cost estimate
Zoo - Fire Hydrants	\$150,000	\$0	2017 project
Fire Station (FS #13) Furniture	\$0	\$200,000	New project
Fire Station (FS #14) Furniture	\$0	\$200,000	New project
GPS Based AVL System	\$0	\$400,000	New project
GeoCortex	\$0	\$59,280	New project
Body Worn Camera/Taser Equipment Replacement Plan	\$0	\$1,232,761	New project
Public Safety/Code Compliance at Municipal Buildings	\$0	\$500,000	New project
Parking Fund Cash			
512 Jackson Elevator Upgrade	\$0	\$211,762	New project
9th Street Elevator	\$0	\$247,056	New project
Parking Garage Systems (Hardware and Software)	\$0	\$690,000	New project
IT Fund Cash			
Telephone System Replacement	\$274,000	\$137,000	2017 spending
Desktop Computer Replacement	\$333,000	\$249,750	2017 spending
Security System Replacement	\$210,000	\$157,500	2017 spending
Data Back-up System Replacement	\$250,000	\$187,500	2017 spending
Citywide Single Payment Portal	\$390,000	\$190,000	2017 spending
Citywide Asset Management Upgrade	\$660,000	\$660,000	No change
Data Center Construction	\$245,000	\$0	2017 project
Microsoft Azure	\$0	\$300,000	New project
Network Switch Upgrade - Phase-1	\$0	\$500,000	New project
Computer Upgrade - 2	\$0	\$179,000	New project
Microsoft Enterprise Agreement	\$0	\$950,000	New project
Network Switch Upgrade - Phase - 2	\$0	\$65,634	New project
Computer Upgrade - 3	\$0	\$149,000	New project
Fire Department Mobile Data Terminal Upgrade	\$0	\$93,750	New project
Police Department Mobile Data Terminal Upgrade Phase - 1	\$0	\$168,750	New project
Police Department Mobile Data Terminal Upgrade Phase-2	\$0	\$75,000	New project
Storage Area Network Upgrade	\$0	\$487,500	New project
Security Systems Replacement - 2	\$0	\$195,000	New project
Computer Upgrade - 4	\$0	\$99,750	New project
Data Back-up System Replacement - 2	\$0	\$225,000	New project
Donations/Outside Funding Sources			
Zoo Masterplan	\$11,100,000	\$8,300,000	Included Countywide Portion Only in Prior CIP
Heritage Grant for steps/entryway TPAC City Hall	\$90,000	\$0	2017 project
SW Wanamaker -- SW 4th to SW 6th	\$650,000	\$0	2017 project
Kay's Garden	\$500,000	\$2,669,317	Updated funding
Countywide Sales Tax Proposal (2017-2031)			
SW 6th-Gage to Fairlawn	\$5,600,000	\$3,100,000	2017 portion complete
Zoo Master Plan	\$3,000,000	\$3,000,000	No Changes
Bikeway Master Plan	\$1,000,000	\$1,500,000	Even year funding added in 2022
12th Street (2 lanes) - Gage to Kansas Ave	\$7,040,000	\$13,180,000	Updated costs and added 2022-Total of multiple phase cost
SE California-37th-45th	\$5,600,000	\$5,600,000	No change
SW 17th Street, MacVicar to Interstate 470	\$800,000	\$1,300,000	Added costs for 2022
Pavement Management Project	\$0	\$9,990,000	New project using excess countywide sales tax over 3 years
Zoo - School and Group Entrance and Parking Lot Phase 2	\$0	\$250,000	New project
Kay's Garden	\$0	\$500,000	Project increased in scope. New building construction being implemented. Money used for construction.
Total:	\$297,701,316	\$378,308,880	

2023-2027 PROJECTS



In addition to the 3 year Capital Improvement Budget, the 2018-2027 CIP will include 10 years of projects. The first 5 years of projects will be detailed with specific project sheets as in prior years, but years 6-10 (2023-2027) will be included in a summarized list, similar to the Future Funding list.

6-10 Year Project List (2023-2027)				
Project	Department	Estimated Year	Estimated Cost	Estimated Funding Source (If known)
Pavement Management Rehabilitation & Reconstruction Program (Micropaver) - Program will perform pavement rehabilitation work such as mill and overlays, overlays, panel repairs, and reconstruction work necessary to achieve desire Pavement Condition Index Goals.	PW	2023-2027	\$ 44,000,000	Currently Citywide 1/2 sales tax thru 2019, future funding unknown
Bikeway Master Plan	PW	2024 and 2026	\$ 1,000,000	Countywide
Master Address Database	PW	2023	\$ 750,000	G.O. Bonds
Neighborhood Infrastructure	PW	2023-2027	\$ 5,000,000	GO Bond (continuation of current funding levels)
Neighborhood Infrastructure	PW	2023-2027	\$ 3,000,000	CDBG (continuation of current funding levels)
Traffic Safety Projects	PW	2023-2027	\$ 1,100,000	GO Bond (Increase from current funding level of \$0.185M)
Traffic Signal Replacement	PW	2023-2027	\$ 4,400,000	GO Bond (Increase from current funding level of \$0.64M)
Complete Streets	PW	2023-2027	\$ 500,000	GO Bond (continuation of current funding levels)
Cityside Infrastructure	PW	2023-2027	\$ 1,000,000	GO Bond (continuation of current funding levels)
Curb & Gutter Replacement Program	PW	2023-2027	\$ 7,500,000	Currently Citywide 1/2 sales tax thru 2019, future funding unknown
Alley Repair	PW	2023-2027	\$ 1,250,000	Currently Citywide 1/2 sales tax thru 2019, future funding unknown
ADA Sidewalk Ramp Program	PW	2023-2027	\$ 1,500,000	Currently Citywide 1/2 sales tax thru 2019, future funding unknown
Sidewalk Repair Program (50/50)	PW	2023-2027	\$ 500,000	Currently Citywide 1/2 sales tax thru 2019, future funding unknown
Street Contract Preventative Maintenance Program (Micropaver) - Project will perform preventative maintenance work such as crack seal, surface seals, patching, and other items to extend life of city streets.	PW	2023-2027	\$ 10,000,000	Currently Citywide 1/2 sales tax thru 2019, future funding unknown
SW 29th Street from Burlingame to Mulvane Street	PW	2022-2023	\$ 1,750,000	G.O. Bonds; Continuation of 2022 funding
SW Huntoon Street – SW Executive Drive to SW Urish Road	PW	2023-2025	\$ 3,800,000	G.O Bond and/or sales tax funding dependent
Replacement of Medians	PW	2023-2024	\$ 600,000	G.O Bond and/or sales tax funding dependent
Union Pacific Railroad Pedestrian Crossing N. Ks Ave./NOTO	PW	2025	\$ 1,300,000	G.O Bond and/or sales tax funding dependent
Public Works Facility Improvements	PW	2023-2027	\$ 8,000,000	GO Bond project to fund facility improvements/relocation for Public Works Facilities due to potential river front development and operational needs
S. Kansas Avenue (1st Street to 6th Street)	PW	2023-2027	\$ 14,700,000	G.O. Bond - project is to continue streetscape and infrastructure replacement of Kansas Avenue
SW Urish Road – SW 21 st Street to SW 29 th Street	PW	2023-2025	\$ 5,000,000	G.O Bond and/or sales tax funding dependent
NW Tyler Street – NW Beverly Street to NW Paramore Street	PW	2023-2025	\$ 1,500,000	G.O. or potentially renewed City Sales Tax if approved
S. Topeka Blvd from 15th Street to 21st Street	PW	2026-2028	\$ 4,900,000	County Sales - \$500k in 2026/27 - \$4.4M const 2028
S. Topeka Blvd from 21st Street to 29th Street	PW	2023-2024	\$ 1,680,000	G.O Bond and/or sales tax funding dependent
S. Topeka Blvd from 29th Street to 37th Street	PW	2023-2025	\$ 2,500,000	G.O Bond and/or sales tax funding dependent
S. Topeka Blvd. from 37th Street to 49th Street	PW	2025-2027	\$ 5,200,000	G.O Bond and/or sales tax funding dependent
S. Kansas Avenue from 10th Street to 17th Street	PW	2023-2024	\$ 2,000,000	G.O Bond and/or sales tax funding dependent
S. Kansas Avenue from 17th Street to 19th Street	PW	2025-2026	\$ 1,500,000	G.O Bond and/or sales tax funding dependent
SW 6th Avenue from Wanamaker Road west to Museum Drive	PW	2026	\$ 1,500,000	G.O Bond and/or sales tax funding dependent
SW 10 th Avenue – SW Wanamaker Road to SW Gerald Lane	PW	2022-2024	\$ 1,350,000	G.O. Bonds - Design 2021 ROW/Utilities 2022
SW 17th Street - MacVicar to I470	PW	2021-2025	\$ 13,300,000	County Sales - \$1.3M (21/22) - \$13.3M (23-25)
SW 21st Street from I-470 Bridges To Fairlawn Road	PW	2025-2027	\$ 2,000,000	G.O Bond and/or sales tax funding dependent
SW 29th Street from Fairlawn Road to Wanamaker Road	PW	2027-2029	\$ 6,100,000	County Sales Tax - \$400k in 2027
SW 29th Street from Topeka Blvd to Burlingame Road.	PW	2023-2024	\$ 1,075,000	G.O Bond and/or sales tax funding dependent
SE 29th Street from Kansas Avenue to Adams Street	PW	2023-2024	\$ 2,500,000	G.O Bond and/or sales tax funding dependent
SW 37th Street - Scapa Place to Burlingame Road	PW	2027-2029	\$ 3,700,000	County Sales Tax - \$200k in 2027
SE Quincy Street from 8th Street to 10th Street	PW	2022-2023	\$ 1,000,000	G.O Bond and/or sales tax funding dependent
SW Gage Blvd. from I-70 to 6th Street	PW	2022-2024	\$ 2,200,000	G.O Bond and/or sales tax funding dependent
Huntoon (2 Lanes) Gage to SW Harrison	PW	2024-2027	\$ 11,740,000	County Sales - \$500k (24) - \$300k (25) - \$11M (26/27)
SW Fairlawn Road from 23rd Street to 29th Street	PW	2024-2026	\$ 3,000,000	G.O Bond and/or sales tax funding dependent
SW Adams from 37th to 45th. Improve to a 3 lane urban section w/ enclosed storm sewers	PW	2025-2027	\$ 3,000,000	G.O Bond and/or sales tax funding dependent
Asset Inventory/ Geospatial Updates	PW	2023	\$ 1,190,000	G.O Bonds and/or Cash
Geocortex	PW	2023	\$ 100,000	Continuation of 2019-2022 Funding
Secure Staging Facility	Fire	2023	\$ 750,000	G.O. Bonds
Engine 2	Fire	2025	\$ 779,902	G.O. Bonds
Engine 4	Fire	2026	\$ 803,299	G.O. Bonds

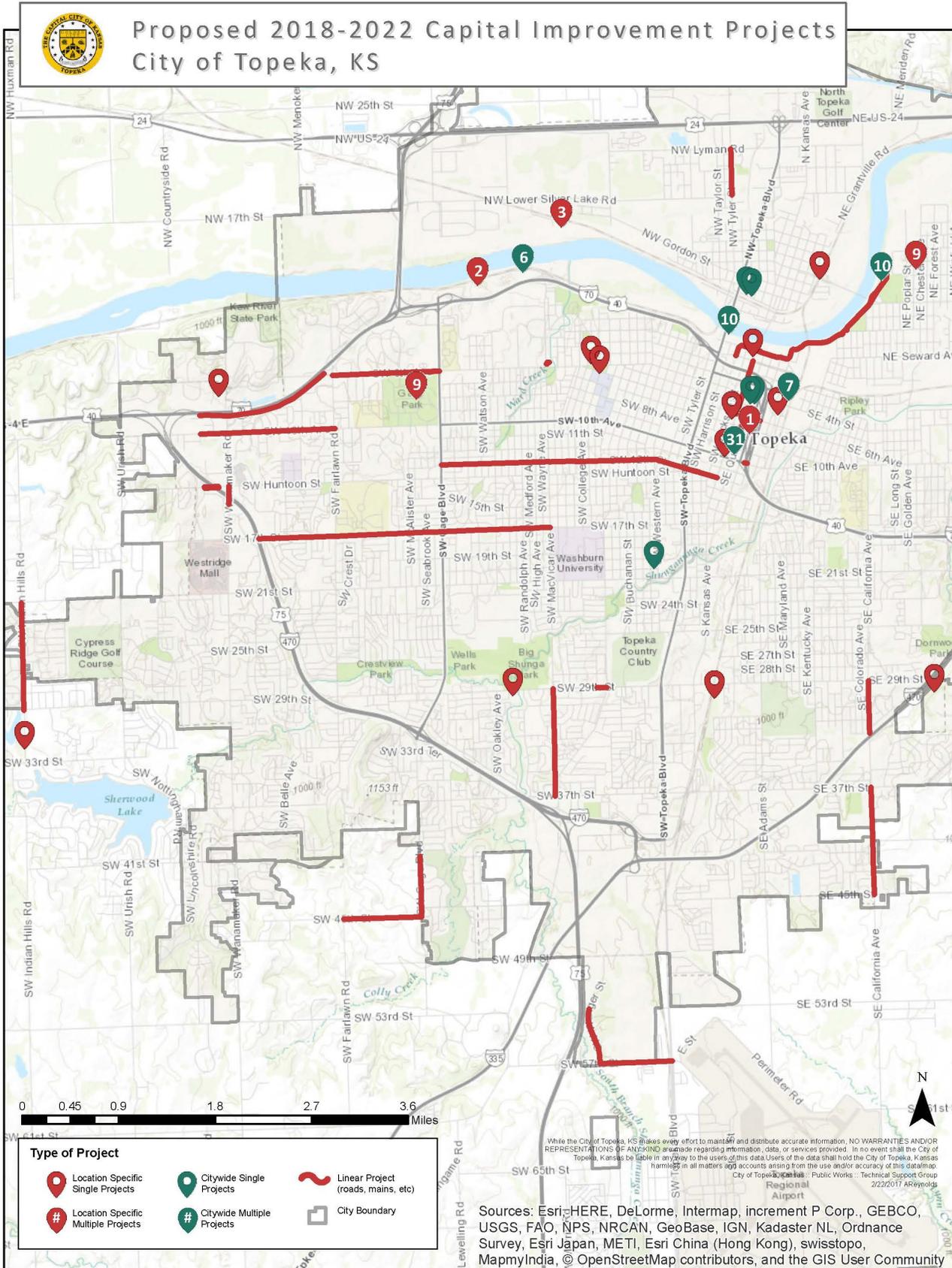


6-10 Year Project List (2023-2027)					
Project	Department	Estimated Year	Estimated Cost	Estimated Funding Source (if known)	
Engine 5	Fire	2024	\$ 757,186	G.O. Bonds	
Engine 6	Fire	2024	\$ 757,186	G.O. Bonds	
Engine 7	Fire	2027	\$ 827,398	G.O. Bonds	
Engine 12	Fire	2025	\$ 779,902	G.O. Bonds	
Truck 11	Fire	2027	\$ 926,883	G.O. Bonds	
Aerial 5	Fire	2023	\$ 1,514,372	G.O. Bonds	
Rescue 11	Fire	2023	\$ 225,000	G.O. Bonds	
Hazmat 8	Fire	2023	\$ 517,500	G.O. Bonds	
Pre-fab Restroom Replacement	Zoo	2027	\$ 134,000	GO Bonds	
Public Path	Zoo	2023	\$ 243,000	GO Bonds	
Helen Hocker Demo / Parking Lot Phase 3	Zoo	2023	\$ 642,000	GO Bonds	
Fire Hydrant Phase 2 (to 6th st.)	Zoo	2024	\$ 250,000	GO Bonds	
Zoo New Entrance	Zoo	2025	\$ 5,000,000	1/2 Cent County Wide Retailers Sales Tax and Donations	
Commissary	Zoo	2025	\$ 225,000	GO Bonds	
Zoo Rain Forest HVAC	Zoo	2026	\$ 403,267	GO Bonds	
Pond Dredging	Zoo	2027	\$ 238,000	GO Bonds	
Body Worn Camera/Taser Equipment Replacement Plan	Police	2023-2027	\$ 1,234,925	General Funds	
Law Enforcement Center Parking Garage/Secure Storage Area	Police	2023	\$ 4,500,000	General Funds	
TPD Firearm Range Overhead Roof + Baffle System	Police	2023	\$ 948,289	General Funds	
Police Department Fleet Replacement	Police	2023	\$ 500,000	General Funds	
Police Department Fleet Replacement	Police	2024	\$ 500,000	General Funds	
Police Department Fleet Replacement	Police	2025	\$ 500,000	General Funds	
Police Department Fleet Replacement	Police	2026	\$ 500,000	General Funds	
Police Department Fleet Replacement	Police	2027	\$ 500,000	General Funds	
Communications City4 Equipment Annual Upgrade	Communications	2023-2027	\$ 350,000	General Funds	
Data Back-up System Replacement - 2	IT	2023	\$ 75,000	IT Fund	
Security System Replacement - 2	IT	2023	\$ 65,000	IT Fund	
Computer Upgrade - 4	IT	2023	\$ 33,250	IT Fund	
Storage Area Network Upgrade	IT	2023	\$ 162,500	IT Fund	
PD Mobile Data Terminal Upgrade Phase 1	IT	2023	\$ 56,250	IT Fund	
PD Mobile Data Terminal Upgrade Phase 2	IT	2023	\$ 25,000	IT Fund	
Network Switch Upgrade Phase 2	IT	2023	\$ 21,878	IT Fund	
Fire Mobile Data Terminal Upgrade	IT	2023	\$ 31,250	IT Fund	
Annual WPC Operations Equipment & Fleet Maint. & Replacement Program	Utilities	2023-2027	\$ 1,500,000	WW Operating Funds	
Annual Wastewater Lining & Replacement Program	Utilities	2023-2027	\$ 47,000,000	WW Operating Funds/Revenue Bonds	
Annual WPC Facility Rehabilitation Program	Utilities	2023-2027	\$ 5,000,000	Revenue Bonds	
Annual Small WW Pump Station Rehab & Repl Program	Utilities	2023-2027	\$ 7,500,000	Revenue Bonds	
Annual WPC Inflow & Infiltration Program & Neighborhood Infrastructure	Utilities	2023-2027	\$ 2,500,000	WW Operating Funds	
Annual Storm Conveyance System Rehab	Utilities	2023-2027	\$ 22,800,000	SW Operating Funds/Revenue Bonds	
Annual Stormwater Operations Equipment & Fleet Mant. & Replacement Program	Utilities	2023-2027	\$ 1,500,000	SW Operating Funds	
Annual Drainage Correction Program	Utilities	2023-2027	\$ 1,500,000	SW Operating Funds	
Annual Levee Asset Repair/Rehab Program	Utilities	2023-2027	\$ 1,000,000	SW Operating Funds	
Annual BMP Development & Construction	Utilities	2023-2027	\$ 1,250,000	SW Operating Funds	
Annual Water Main Replacement Program	Utilities	2023-2027	\$ 19,500,000	Water Operating Funds/Revenue Bonds	
Annual Water Plant Rehabilitation Program	Utilities	2023-2027	\$ 5,000,000	Revenue Bonds	
Annual Water Plant Operations Equipment & Fleet Maint. & Replacement Program	Utilities	2023-2027	\$ 2,000,000	Water Operating Funds	
24" to Montara Pump Station - SW 57th to SW University	Utilities	2023	\$ 2,264,325	Revenue Bonds	
South Elevated Tank; SW 65th St	Utilities	2024	\$ 5,441,100	Revenue Bonds	
18" on SE California - SE 21st to SE 28th	Utilities	2023	\$ 1,410,000	Revenue Bonds	
24" on SE 15th and I-470 - SE Monroe to SE California	Utilities	2025	\$ 4,130,000	Revenue Bonds	
8" on SE Berryton - SE 50th to SE 53rd	Utilities	2025	\$ 450,000	Revenue Bonds	
18" SE California, SE 41st, & SE West Edge Rd. - SE 37th to SE 45th	Utilities	2025	\$ 2,900,000	Revenue Bonds	
0.5-MG Southeast Elevated Tank - SE 41st St	Utilities	2026	\$ 2,150,000	Revenue Bonds	
30" on SE California and SE 10th - SE 11th to SE Market; 18" on SE Market - SE 10th to SE 4th	Utilities	2026	\$ 2,130,000	Revenue Bonds	
12" on SW 45th - SW Cambridge to SW Burlingame	Utilities	2026	\$ 530,000	Revenue Bonds	
Topeka Blvd- University to Ormsby	Utilities	2026	\$ 1,740,000	Revenue Bonds	
30" on SE 6th - SE Market to SE Norwood	Utilities	2027	\$ 3,315,000	Revenue Bonds	
24" on SW Burlingame and SW 57th - SW 49th to SW Wenger	Utilities	2027	\$ 4,755,000	Revenue Bonds	
18" on SW Fairlawn and SW 53rd; SW 45th to SW Burlingame	Utilities	2027	\$ 3,670,000	Revenue Bonds	
Water Treatment Plant Master Plan Update	Utilities	2027	\$ 300,000	Water Operating Funds	
Water Distribution Master Plan Update	Utilities	2027	\$ 250,000	Water Operating Funds	
Annual Sanitary Sewer Interceptor Maint & Rehab	Utilities	2023-2027	\$ 7,500,000	Revenue Bonds	
5 Year Total			\$ 376,447,662		
2023 Total			\$ 78,894,099		
2024 Total			\$ 72,759,957		
2025 Total			\$ 78,566,789		
2026 Total			\$ 67,008,551		
2027 Total			\$ 79,218,266		

MAP OF PROJECTS



Capital Improvement Plan projects occur throughout the City. Below is a map showing where the 2018-2022 projects will occur. Note that Citywide projects, like half-cent sales tax projects, will occur in multiple locations but are represented by a single green point.



DEBT SERVICE OBLIGATIONS



Debt Summary

The City of Topeka debt management policy is to maintain the City's ability to incur present and future debt at the most beneficial rates in amounts needed for financing the adopted Capital Improvement Plan without adversely affecting the City's ability to finance essential services.

Review and analysis of the City's debt position is required to provide a capital financing plan for infrastructure and other improvements. Long-term projected financing is linked with economic development, demographic and financial resources expected to be available to repay debt. City debt ratios are examined as well as the impact of future debt financing on those ratios.

Funding sources for debt payments include property taxes, sales taxes, special assessments, fees for services and water, wastewater, and stormwater fees.

Debt Policy

On October 4, 2016, the governing body of Topeka approved resolution number 8818 (replacing 7554) that established debt management policy. The policy set forth guiding principles for debt issuance in the following areas:

- 1) Definition of a capital project
- 2) Benchmarks desired to achieve
- 3) Characteristics of debt issuance
- 4) Debt administration and financing

Debt Capacity

Finance staff oversee all debt issued by the City, which includes General Obligation (GO), revenue backed, revolving loan funds, temporary notes and special assessment debt. As of December 31, 2016 the City had \$393,764,049 in total debt, compared to \$387,604,808 on December 31, 2015 or a 1.5% increase. According to K.S.A. 10-308, the City is limited to general obligation debt that cannot be greater than 30% of the tangible assessed valuation of the City. Certain debt is then not subject to the debt limitation and is subsequently backed out of the calculation. As of October 2016, the City had \$270,732,176 of its remaining bonding authority available, a decrease from the December 31, 2015 amount of \$282,393,004. The City is currently utilizing 20% of the debt authority as authorized by State statute.

This policy was updated to enhance the creditworthiness and prudent financial management of the City's resources and assist in creating a systematic capital plan. This policy is located in the policies section of the budget book for more detailed information.

Several benchmarks are included in the City's debt policy that serve as a guidance for staff on debt issuance.

The policy requires the City maintain a bond credit rating of:

- General Obligation Bonds rated not less than the third highest rating by at least one Nationally Recognized Statistical Rating Organization (NRSRO)
- Revenue Bonds rated not less than the fourth highest rating by at least one Nationally Recognized Statistical Rating Organization (NRSRO)
- General Obligation Temporary Notes rated not less than the highest category by at least one Nationally Recognized Statistical Rating Organization (NRSRO)

Current bond ratings can be found at Topeka.org.

OTHER FUND FORECASTS



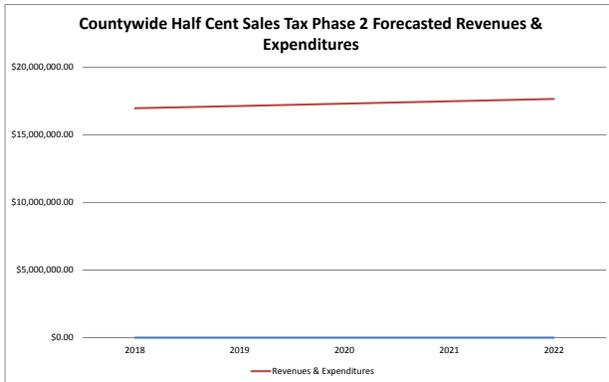
Other Fund Impacts

In addition to the Debt Service and Utility Funds, several other funds are impacted by the adoption of the Capital Improvement Plan.

Countywide Half Cent Sales Tax Fund

This fund tracks the Countywide Half Cent Sales Tax being received from the state and transferred over to the Joint Economic Development Organization (JEDO) for the funding for economic development and countrywide infrastructure development as authorized by voters in August 2004, and renewed in November 2014. It is governed by interlocal agreements.

The Countywide Half Cent Sales Tax was extended through 2031, at which point voters will decide whether or not to continue the special sales tax. Money will be expended until projects are complete and the fund is depleted.

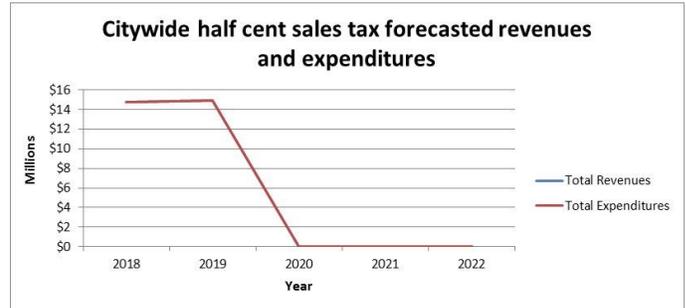


Citywide Half Cent Sales Tax Fund

The City levies a half cent sales tax for street, curb, gutter, sidewalk replacement. The fund receives the sales tax and monitors the expenses for the repair projects. Specific programs in this fund include: Street Projects, Alley Projects, Sidewalk Projects, 50/50 Sidewalk Projects, and Curb and Gutter Projects.

This sales tax will continue to collect until 2019, and revenues are projected to grow 1% per year. Revenues are heavily contingent on the economy and spending patterns. The majority of this fund's expenditures support projects in the Capital

Improvement Plan, as well as some staff support costs. The high fund balance accumulated at the end of 2014 allowed the City to increase spending in 2016 to create a one-time influx of money to improve neighborhood streets. The remaining cash balance is spent in year 2020 as the tax ends in 2019.



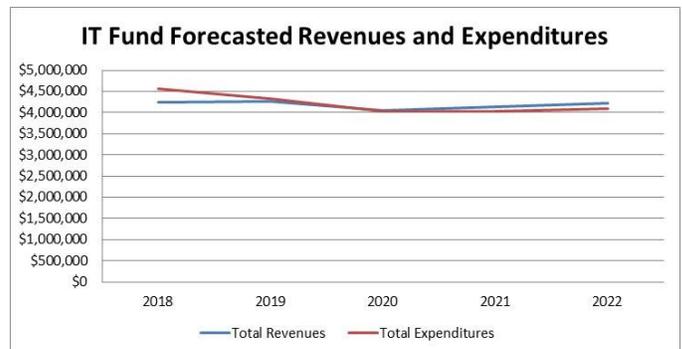
Note: Total Revenues are not shown graphically, as the Total Revenues nearly match expenditures.

Information Technology Fund

The technology needs of the City are funded through this internal service fund, supported by fees from Departments. Programs included in this fund are Telecom, Computing and Business Systems, and 14 employees are budgeted in this fund.

Revenues are generated from Departments based on anticipated technological needs. Expenditures vary year to year: Some purchases are annual and others are infrequent, one-time technology purchases. IT projects are included starting with the 2017 CIP; it is important that future CIP's continue to capture capital projects in this fund as technology is constantly changing and capital needs will need to be revised regularly.

The cash balance is utilized for several of the CIP projects causing the large cash reserves to draw down as desired.



OTHER FUND FORECASTS



Debt Service Fund

The major source of revenue in the Debt Service fund is property tax. Additionally the fund receives revenues for special purposes such as transfers for Countywide Half Cent Sales Tax projects, sales tax generated for Heartland Park, and special assessments. The majority of expenses in the Debt Service fund are for principle and interest payments which are based on a pay schedule. The City's goal is to transition from a 20-year payback schedule to 15-year payback schedule.

The adoption of this CIP would maintain a constant mill levy, while also building flexibility to spend cash on several projects rather than financing.

Debt Service Fund Pro Forma

	2017 Budget	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	2022 Forecast
Cash Balance January 1	\$ 5,034,763	\$ 4,822,764	\$ 4,827,333	\$ 4,613,693	\$ 4,607,067	\$ 4,610,417
Budgeted Revenues:						
Ad Valorem Taxes	\$ 14,829,334	\$ 14,856,252	\$ 15,135,612	\$ 15,453,299	\$ 15,783,650	\$ 15,941,487
Sales Tax	\$ 20,000	\$ 80,000	\$ 130,000	\$ 150,000	\$ 170,000	\$ 190,000
Transient Guest Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Motor Vehicle	\$ 1,255,928	\$ 1,268,487	\$ 1,281,172	\$ 1,293,984	\$ 1,306,924	\$ 1,319,993
Licenses & Permits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Intergovernmental	\$ 40,000	\$ 200,000	\$ 240,000	\$ 270,000	\$ 270,000	\$ 270,000
Fees for Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Franchise Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Municipal Court	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessments	\$ 2,711,759	\$ 2,711,759	\$ 2,634,799	\$ 2,634,799	\$ 2,594,279	\$ 2,594,279
Miscellaneous	\$ 561,215	\$ 829,288	\$ 584,323	\$ 589,447	\$ 594,659	\$ 599,963
PILOTS	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000
Total Budgeted Revenues	\$ 19,458,236	\$ 19,985,786	\$ 20,045,907	\$ 20,431,529	\$ 20,759,512	\$ 20,955,722
Budgeted Expenditures						
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contractual	\$ 45,000	\$ 45,000	\$ 45,000	\$ 45,000	\$ 45,000	\$ 45,000
Commodities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Payments	\$ 19,625,236	\$ 19,936,217	\$ 20,214,547	\$ 20,393,154	\$ 20,711,162	\$ 20,965,644
Capital Outlay (Transfer)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 19,670,236	\$ 19,981,217	\$ 20,259,547	\$ 20,438,154	\$ 20,756,162	\$ 21,010,644
Over/Under	\$ (212,000)	\$ 4,570	\$ (213,641)	\$ (6,626)	\$ 3,350	\$ (54,922)
Cash Balance - December 31	\$ 4,822,764	\$ 4,827,333	\$ 4,613,693	\$ 4,607,067	\$ 4,610,417	\$ 4,555,495
Fund Balance	24.79%	24.15%	23.02%	22.55%	22.21%	21.74%

Future Funding List

In addition to the funded projects in the debt service fund and other funds, there is also a list of future funding projects on pages 154-155. These projects are intended to be initiated when funding becomes available, but are not currently included in the individual fund forecasts. The total estimated costs for the unfunded streets projects is \$166,705,000.

OTHER FUND FORECASTS



The Combined Utility Pro Forma below assumes a continuous 6%-5%-5% rate increase as shown in the "Budgeted Revenues" row below. As has been mentioned, in order to improve debt coverage ratios and days cash, revenues must increase or expenditures must decrease.

Combined Utilities Pro Forma					
	2018	2019	2020	2021	2022
Cash Balance January 1	\$ 28,213,574	\$ 28,531,862	\$ 32,827,669	\$ 34,813,661	\$ 37,727,573
Budgeted Revenues:	6.0%	5.0%	5.0%	6.0%	5.0%
Permits	\$ 126,000	\$ 126,000	\$ 126,000	\$ 126,000	\$ 126,000
Fees for Service	\$ 69,766,277	\$ 72,760,692	\$ 75,884,023	\$ 79,895,570	\$ 83,326,043
Interest	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000
Surcharges	\$ 337,239	\$ 354,101	\$ 371,806	\$ 394,114	\$ 413,820
Miscellaneous	\$ 660,000	\$ 660,000	\$ 660,000	\$ 660,000	\$ 660,000
Other	\$ 63,000	\$ 63,000	\$ 63,000	\$ 63,000	\$ 63,000
Total Budgeted Revenues	\$ 71,432,516	\$ 74,443,793	\$ 77,584,829	\$ 81,618,684	\$ 85,068,864
Budgeted Expenditures	1.5%	1.5%	1.5%	1.5%	1.5%
Personnel	\$ 15,579,535	\$ 15,813,228	\$ 16,050,426	\$ 16,291,182	\$ 16,535,550
Contractual	\$ 22,963,251	\$ 22,140,450	\$ 22,472,556	\$ 22,809,645	\$ 23,151,789
Commodities	\$ 8,095,642	\$ 8,217,077	\$ 8,340,333	\$ 8,465,438	\$ 8,592,419
Other Payments	\$ 20,175,800	\$ 21,227,232	\$ 24,985,522	\$ 27,388,507	\$ 29,478,522
Capital Outlay	\$ 4,300,000	\$ 2,750,000	\$ 3,750,000	\$ 3,750,000	\$ 5,250,000
Total Expenditures	\$ 71,114,228	\$ 70,147,986	\$ 75,598,837	\$ 78,704,772	\$ 83,008,281
Over/Under	\$ 318,288	\$ 4,295,807	\$ 1,985,991	\$ 2,913,912	\$ 2,060,583
Cash Balance - December 31	\$ 28,531,862	\$ 32,827,669	\$ 34,813,661	\$ 37,727,573	\$ 39,788,156
Fund Balance	39.94%	44.10%	44.87%	46.22%	46.77%

Future Funding List

In addition to the funded projects in utilities, there is also a list of future funding projects on pages 154-155. These projects are intended to be initiated when funding becomes available, but are not currently included in the pro forma. The total estimated costs for the unfunded utility projects is \$191,930,000



Combined Utility Funds

For the purposes of revenue bonds and bond ratings, the Water, Stormwater and Wastewater Funds are combined into a Combined Utility Fund. However it's important to understand each fund separately.

Water Fund: The Water Utility supplies drinking water to Topeka, Shawnee County and surrounding counties. The Utility is operated, maintained, and improved entirely by fees for services.

Revenues in the water fund are dependent on both usage and rates. Usage varies year to year based on customer needs and weather, and rates are set by the Governing Body. In 2015, the city incorporated rate increases for the first time since 2011 to cover rising costs. Currently there is no rate increase set for 2018 and beyond, but the proposed CIP includes a rate increase assumption.

Stormwater Fund: The Stormwater Utility serves approximately 47,000 customers through the operation and maintenance of the Topeka flood protection and drainage systems. The Utility is operated, maintained, and improved entirely by user fees.

Revenues in the Stormwater fund are generated by fees, which are based on the amount of impervious area a property contains. The Stormwater fund supports both personnel to complete projects in-house and contractual services for projects. Revenues and expenditures are projected to remain relatively steady. Currently there is no rate increase set for 2018 and beyond, but the proposed CIP includes a rate increase assumption.

Wastewater Fund: Wastewater Utility collects and treats approximately 18 million gallons of wastewater per day from the City of Topeka and Shawnee County. The Utility is operated, maintained, and improved entirely by fees for service.

Revenues in the wastewater fund are dependent on both usage and rates. Usage varies year to year based on customer demand and rates are set by the Governing Body. In 2015 the city incorporated budget increases for the first time since 2011. Currently there is no rate increase set for 2018 and beyond, but the proposed CIP includes a rate increase assumption.

Financial Analysis

From a bond rating perspective, Days Cash and Debt Service Coverage are important indicators. Days Cash represents how many days the utility could operate with its cash balance, and coverage ratio is the ratio of cash available for debt servicing to interest, principal, and lease payments.

Projected Revenue Bonds		
Year	Days Cash	Debt Service Coverage
2018	202	1.93
2019	230	2.04
2020	226	1.72
2021	234	1.69
2022	233	1.66



General Obligation Bond Projects



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Neighborhood Infrastructure</u>	2. Project #:	<u>T-601056</u>
3. Dept/Div:	<u>Public Works/Engineering/ Neighborhood Relations</u>	4. Project Year(s):	<u>2018-2022</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location:	<u>Various Locations</u>
7. Contact Name:	<u>Brian Faust/Sasha Haehn</u>	8. Contact Phone:	<u>368-3033 & 368-4484</u>

9. Project Description: This project is a component of the Stages of Resource Targeting program (SORT). The City generally targets a majority of Neighborhood Relation's resources in two redevelopment areas or neighborhoods per year. The neighborhood infrastructure piece includes improvements such as rebuilding deteriorated streets, curb/gutters, alleys and sidewalks. These funds are leveraged with the Community Development Block Grant (CDBG) and HOME Investment Partnerships (HOME) funds utilized for housing rehabilitation and construction. The 2017-2019 SORT neighborhoods are Quinton Heights Steele and Tennessee Town.

10. Previous Funding:	<u>\$2.15M/yr</u>	Total Funding:	<u>\$2.15M/yr</u>	Future Funding:	<u>\$2.15M/yr</u>
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	Annual	\$ 100,000	The funding source for street repair work is primarily Motor Fuel Tax. This project should provide a net reduction in operating costs by improving deteriorated infrastructure elements.	
b. Right-of Way		\$ -		
c. Construction/Service Fees	Annual	\$ 1,910,000		
d. Contingency	Annual	\$ 50,000		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)	Annual	\$ 60,000		
g. Cost of Issuance (Rev/GO Bonds)		\$ 30,000		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 2,150,000		
Estimated Life of Item (years):	<u>30</u>			
Source of Estimate/Year:	<u>2016</u>			

13. Amount by source of financing					
	1. G.O. Bonds	2. Federal Funding	3. Wastewater Cash (in existing utilities project)	4.	TOTAL
2018	1,400,000	600,000	150,000		\$2,150,000
2019	1,400,000	600,000	150,000		\$2,150,000
2020	1,400,000	600,000	150,000		\$2,150,000
2021	1,400,000	600,000	150,000		\$2,150,000
2022	1,400,000	600,000	150,000		\$2,150,000
5 Year Total:	\$7,000,000	\$3,000,000	\$750,000	\$0	\$10,750,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Fire Station #13 2. Project #: T-131023.00
 3. Dept/Div: Topeka Fire Department 4. Project Year(s): 2018
 5. Type: New 6. Project Location: 6th and Fairlawn
 7. Contact Name: Interim Chief Sigle 8. Contact Phone: 368-4401

9. Project Description: This project consists of the design and construction of a new fully furnished high efficiency Fire Station (#13) and four (4) door Apparatus Bay to be located with in the 6th and Fairlawn area. This facility will be designed and constructed under high-efficiency design guidelines to provide an approximate 5,800 square foot station with an approximate 6,800 square foot drive through Apparatus Bay. Site improvements include rock excavation, utilities, street & drainage improvements, and warning signals.

10. Previous Funding: \$ - Total Funding: \$ 5,976,361.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2018	\$ 428,094	General maintenance and utilities.	
b. Right-of Way		\$ 1,000,000		
c. Construction/Service Fees		\$ 4,076,570		
d. Contingency		\$ 366,597		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ 105,000		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 5,976,261		
Estimated Life of Item (years):	<u>30-50</u>			
Source of Estimate/Year:	<u>2016 Staff</u>			

13. Amount by source of financing

	1. G.O. Bonds	2. Debt Service Fund Cash	3.	4.	5.	TOTAL
2018	5,776,261	200,000				\$5,976,261
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$5,776,261	\$200,000	\$0	\$0	\$0	\$5,976,261



City of Topeka

Capital Improvement Project Summary

1. Project Title: Fire Station #14 2. Project #: T-131037.00
 3. Dept/Div: Topeka Fire Department 4. Project Year(s): 2021
 5. Type: New 6. Project Location: South Topeka Location
 7. Contact Name: Interim Chief Sigle 8. Contact Phone: 368-4401

9. Project Description: This project consists of the design and construction of a new fully furnished high efficiency Fire Station (#14) and four (4) door Apparatus Bay to be located at a south Topeka location. This facility will be designed and constructed under high-efficiency design guidelines to provide an approximate 5,800 square foot station with an approximate 6,800 square foot drive through Apparatus Bay. Site improvements include rock excavation, utilities, street & drainage improvements, and warning signals.

10. Previous Funding: \$ - Total Funding: \$ 5,976,261.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2021	\$ 428,094	General maintenance and utilities.	
b. Right-of Way	2021	\$ 1,000,000		
c. Construction/Service Fees	2021	\$ 4,076,570		
d. Contingency	2021	\$ 366,597		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)	2021	\$ 105,000		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 5,976,261		
Estimated Life of Item (years):	<u>30-50</u>			
Source of Estimate/Year:	<u>2016 Staff</u>			

13. Amount by source of financing

	1. G.O. Bonds	2. Debt Service Fund Cash	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021	5,776,261	200,000				\$5,976,261
2022						\$0
5 Year Total:	\$5,776,261	\$200,000	\$0	\$0	\$0	\$5,976,261



City of Topeka

Capital Improvement Project Summary

1. Project Title: Two Engine Apparatuses (Engines 1 and 11) 2. Project #: T-801014.00
 3. Dept/Div: Fire 4. Project Year(s): 2018
 5. Type: New 6. Project Location: Stations 1 and 11
 7. Contact Name: Interim Chief Sigle 8. Contact Phone: 368-4401

9. Project Description: These engines will replace engine 1 and 11. The department's goal is to upgrade front line engine companies to ensure no engine company is older than twelve years of age.

10. Previous Funding: \$ - Total Funding: \$ 1,345,500.00 Future Funding:

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees	2018	\$ 1,300,000
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)	2020	\$ 19,500
g. Cost of Issuance (Rev/GO Bonds)	2020	\$ 26,000
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 1,345,500
Estimated Life of Item (years):	<u>12 years</u>	
Source of Estimate/Year:	<u>Staff estimate using recent apparatus purchases</u>	

12. Estimated Annual Operating Cost	
<u>Basis for Cost Estimate and Funding Source:</u>	

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018	1,345,500					\$1,345,500
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$1,345,500	\$0	\$0	\$0	\$0	\$1,345,500



City of Topeka

Capital Improvement Project Summary

1. Project Title: One Aerial Apparatus (Aerial 8) 2. Project #: T-801005.00
 3. Dept/Div: Fire 4. Project Year(s): 2019
 5. Type: Repair/Replace 6. Project Location: Station 8
 7. Contact Name: Interim Chief Sigle 8. Contact Phone: 368-4401

9. Project Description: The department's goal is to upgrade front line aerial companies to ensure no aerial company is older than twelve years of age.

10. Previous Funding: \$ - Total Funding: \$1,345,000.00 Future Funding:

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees		\$ -		
b. Right-of Way		\$ -		
c. Construction/Service Fees	2019	\$ 1,300,000		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 19,500		
g. Cost of Issuance (Rev/GO Bonds)		\$ 26,000		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 1,345,500		
Estimated Life of Item (years): <u>15 years</u>				
Source of Estimate/Year: <u>Staff estimate using recent apparatus purchases</u>				

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019	1,345,000					\$1,345,000
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$1,345,000	\$0	\$0	\$0	\$0	\$1,345,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Two Engine Apparatuses (Engines 8 and 10) 2. Project #: T-801006.00
 3. Dept/Div: Fire 4. Project Year(s): 2020
 5. Type: Repair/Replace 6. Project Location: Stations 8 and 10
 7. Contact Name: Interim Chief Sigle 8. Contact Phone: 368-4401

9. Project Description: These engines will replace engine 8 and 10. The department's goal is to upgrade front line engine companies to ensure no engine company is older than twelve years of age.

10. Previous Funding: \$ - Total Funding: \$ 1,345,500.00 Future Funding:

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees		\$ -		
b. Right-of Way		\$ -		
c. Construction/Service Fees	2020	\$ 1,300,000		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)	2020	\$ 19,500		
g. Cost of Issuance (Rev/GO Bonds)	2020	\$ 26,000		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 1,345,500		
Estimated Life of Item (years): <u>12 years</u>				
Source of Estimate/Year: <u>Staff estimate using recent apparatus purchases</u>				

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	1,345,500					\$1,345,500
2021						\$0
2022						\$0
5 Year Total:	\$1,345,500	\$0	\$0	\$0	\$0	\$1,345,500



City of Topeka

Capital Improvement Project Summary

1. Project Title: Engines 3 and 9 2. Project #: T-801014.00
 3. Dept/Div: Fire 4. Project Year(s): 2022
 5. Type: Repair/Replace 6. Project Location: Stations 3 and 9
 7. Contact Name: Interim Chief Sigle 8. Contact Phone: 368-4401

9. Project Description: These engines will replace engines 3 and 9. The department's goal is to upgrade front line engine companies to ensure no engine company is older than twelve years of age.

10. Previous Funding: \$ - Total Funding: \$ 1,424,670.00 Future Funding:

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees	2020	\$ 1,379,170
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)	2020	\$ 19,500
g. Cost of Issuance (Rev/GO Bonds)	2020	\$ 26,000
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 1,424,670
Estimated Life of Item (years): <u>12 years</u>		
Source of Estimate/Year: <u>Staff estimate using recent apparatus purchases</u>		

12. Estimated Annual Operating Cost	
<u>Basis for Cost Estimate and Funding Source:</u>	

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021						\$0
2022	1,424,670					\$1,424,670
5 Year Total:	\$1,424,670	\$0	\$0	\$0	\$0	\$1,424,670



City of Topeka

Capital Improvement Project Summary

1. Project Title: Fire Portable Radios 2. Project #: T-801015.00
 3. Dept/Div: Fire 4. Project Year(s): 2022
 5. Type: Repair/Replace 6. Project Location: All stations
 7. Contact Name: Interim Chief Sigle 8. Contact Phone: 368-4401

9. Project Description: The department's portable radios will need to be replaced as they will be 10 years old.

10. Previous Funding: \$ - Total Funding: \$ 693,450.00 Future Funding:

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees		\$ -		
b. Right-of Way		\$ -		
c. Construction/Service Fees	2022	\$ 670,000		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)	2022	\$ 10,050		
g. Cost of Issuance (Rev/GO Bonds)	2022	\$ 13,400		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 693,450		
Estimated Life of Item (years): <u>10 years</u>				
Source of Estimate/Year: <u>Staff</u>				

13. Amount by source of financing

	1. G.O. Bond	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021						\$0
2022	693,450					\$693,450
5 Year Total:	\$693,450	\$0	\$0	\$0	\$0	\$693,450



City of Topeka

Capital Improvement Project Summary

1. Project Title: Traffic Safety Projects 2. Project #: T-601057.00
 3. Dept/Div: Public Works - Transportation Operations/Engineering 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location: Various
 7. Contact Name: Ron Raines /Brian Faust/Terry Coder 8. Contact Phone: 368-0929 or 368-3033

9. Project Description: These projects improve traffic safety at various locations within the City's transportation network. The types of projects include installation of a new traffic signal, equipment to synchronize a series of traffic signals, removal of a free-flowing right turn lane, construction of additional turn lanes or medians, installation of pedestrian flashers at a crosswalks, or other appropriate measures to improve safety of the transportation system.

10. Previous Funding: \$185K/yr Total Funding: \$220K/yr Future Funding: \$220K/yr

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>
a. Design/Administrative Fees	Annual	\$ 20,000	Operating costs include pavement markings and crack sealing. The funding source for these costs is primarily Motor Fuel Tax. This project will provide a net reduction in operating costs for existing pavement. The project may also provide a savings in fuel costs by providing a more efficient operation of intersections.
b. Right-of Way		\$ -	
c. Construction/Service Fees		\$ 185,000	
d. Contingency		\$ 8,700	
e. Technology		\$ 2,700	
f. Financing Costs (Temp Notes)		\$ 3,600	
g. Cost of Issuance (Rev/GO Bonds)		\$ -	
h. Debt Reserve Fund (Rev Bonds)		\$ -	
i. Capitalized Interest		\$ -	
Project Total		\$ 220,000	
Estimated Life of Item (years): 30 years			
Source of Estimate/Year: <u>Eng. Div. -- 2015</u>			

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018	220,000					\$220,000
2019	220,000					\$220,000
2020	220,000					\$220,000
2021	220,000					\$220,000
2022	220,000					\$220,000
5 Year Total:	\$1,100,000		\$0	\$0	\$0	\$1,100,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Traffic Signal Replacement 2. Project #: T-141020.00
Public Works -- Transportation
 3. Dept/Div: Operations/Engineering 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location: Various
 7. Contact Name: Ron Raines / Brian Faust/Terry Coder 8. Contact Phone: 368-0929 or 368-3033

9. Project Description: This project provides a replacement program for the 186+ existing traffic signals located throughout the City. Three to four traffic signals are generally replaced annually. Signals are selected for replacement based physical condition, operational deficiencies, and capabilities of electronic components to detect vehicles, bikes and pedestrians. New systems will incorporate modern technology and meet the requirements of the Manual on Uniform Traffic Control Devices (MUTCD). Having a continuous replacement program allows the costs of replacing the signals to be spread out over time. Depending on the location, existing signals may be replaced with poles/mast arms that are black powder coated with illuminated street signage and radar detection. Replacing 186 signals at a rate of 4 intersections per year, it will take approximately 46 years to replace the system. With advances in signal technology and wear and tear on the system, replacing the signals at an intersection every 46+ years may push/exceed the useful life of the signal components. The replacement schedule will need to be monitored to make sure adequate funding exists. When signals are updated, the intersection will brought into compliance with the Americans with Disability Act (ADA). This update will include pedestrian signals system and ADA ramps (reason for right-of-way costs).

10. Previous Funding: \$640K/yr Total Funding: \$885K/yr Future Funding: \$885K/yr

11. Project Schedule and Estimate

	Year	Amount
a. Design/Administrative Fees	Annual	\$ 80,000
b. Right-of Way		\$ 5,000
c. Construction/Service Fees		\$ 740,000
d. Contingency		\$ 39,000
e. Technology		\$ 9,000
f. Financing Costs (Temp Notes)		\$ 12,000
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 885,000

Estimated Life of Item (years): 30 years
 Source of Estimate/Year: Eng. Division -- 2015

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source: This project will provide a net reduction in annual operating costs by replacing outdated signals. The primary funding source is the General Fund (Traffic Operations Section of the Street Division).

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018	885,000					\$885,000
2019	885,000					\$885,000
2020	885,000					\$885,000
2021	885,000					\$885,000
2022	885,000					\$885,000
5 Year Total:	\$4,425,000		\$0	\$0	\$0	\$4,425,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Public Works Facility Assessment 2. Project #: T-131050.00
 3. Dept/Div: Public Works Administration 4. Project Year(s): 2018-2022
 5. Type: New 6. Project Location: Throughout the City
 7. Contact Name: Jason Peek 8. Contact Phone: 368-3949

Project Description: This project will contract for an assessment of the Public Works building, materials yards, and site locations to determine current and future facility and grounds needs for the Street, Traffic, Fleet (Equipment Maintenance Shop, Rights of Way.), and Forestry Divisions. Street and Traffic facilities being assessed are: 927 NW Harrison, 201 N. Topeka Blvd, SE 21st and SE Lakewood, SW 4200 SW Martin Drive, and 200 SE 4th Street. Project scope will assess current site and facility needs for consolidation or relocation. Potential projects for Polk Quincy Viaduct and Riverfront development could trigger relocation needs for Public Works existing facilities.

10. Previous Funding: Total Funding: \$ 380,000.00 Future Funding:

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2018	\$ 80,000	The assessment itself will have no direct impact on operating costs.	
b. Right-of Way	2019-2020	\$ 300,000		
c. Construction/Service Fees				
d. Contingency				
e. Technology		\$ -		
f. Financing Costs (Temp Notes)				
g. Cost of Issuance (Rev/GO Bonds)				
h. Debt Reserve Fund (Rev Bonds)				
i. Capitalized Interest		\$ -		
Project Total		\$ 380,000		
Estimated Life of Item (years):	<u>Varies</u>			
Source of Estimate/Year:	<u>2016</u>			

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	80,000					\$80,000
2021	150,000					\$150,000
2022	150,000					\$150,000
5 Year Total:	\$380,000	\$0	\$0	\$0	\$0	\$380,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Complete Streets 2. Project #: T-601058.00
 3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location: Various
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project provides for the addition of complete street elements to existing streets to better serve all users of the transportation system. Common complete street elements include sidewalks, bike lanes, crosswalks/pedestrian flashers, accessible curb ramps, pedestrian refuge medians, bus stop access to adjacent trails. Complete street elements may be constructed with projects funded from other sources like citywide sales tax projects or this project may provide matching funds for grant projects.

10. Previous Funding: \$100K/yr Total Funding: \$100K/yr Future Funding: \$100K/yr

11. Project Schedule and Estimate	
	Year Amount
a. Design/Administrative Fees	Annual \$ 8,000
b. Right-of Way	\$ -
c. Construction/Service Fees	\$ 82,000
d. Contingency	\$ 6,700
e. Technology	\$ -
f. Financing Costs (Temp Notes)	\$ 1,400
g. Cost of Issuance (Rev/GO Bonds)	\$ 1,900
h. Debt Reserve Fund (Rev Bonds)	\$ -
i. Capitalized Interest	\$ -
Project Total	\$ 100,000
Estimated Life of Item (years):	<u>30 years</u>
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source: Operating costs will be minimal.

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018	100,000					\$100,000
2019	100,000					\$100,000
2020	100,000					\$100,000
2021	100,000					\$100,000
2022	100,000					\$100,000
5 Year Total:	\$500,000		\$0	\$0	\$0	\$500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Citywide Infrastructure 2. Project #: T-601059.00
 3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2018-2022
 5. Type: New 6. Project Location: Various
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project provides for the construction of new or repair/replacement of infrastructure elements through stand alone projects, by providing the required matching funds for grant projects, or providing additional funds for projects where funding for new infrastructure is needed as with citywide sales tax projects. The improvements can include such elements as sidewalks, bikeways, street widening, or green infrastructure such as landscaping, street trees, or porous paving.

10. Previous Funding: \$200K/yr Total Funding: \$200K/yr Future Funding: \$200K/yr

11 Project Schedule and Estimate

	Year	Amount
a. Design/Administrative Fees	Annual	\$ 16,000
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ 168,000
d. Contingency		\$ 9,200
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 2,900
g. Cost of Issuance (Rev/GO Bonds)		\$ 3,900
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 200,000

Estimated Life of Item (years): 15-30 years
 Source of Estimate/Year: Eng. Div. -- 2015

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Operating costs will depend upon the type of infrastructure but should be minimal.

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018	200,000					\$200,000
2019	200,000					\$200,000
2020	200,000					\$200,000
2021	200,000					\$200,000
2022	200,000					\$200,000
5 Year Total:	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: SE California Ave. -- 29th St. to 33rd St. 2. Project #: T-701011.00
 3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2018
 5. Type: Repair/Replace 6. Project Location: SE Calif. Ave. -- 29th to 33rd
 7. Contact Name: Brian Faust/Jeff Hunt 8. Contact Phone: 368-3033

9. Project Description: This project will widen SE California Avenue between SE 29th Street and SE 33rd Street. The new roadway will include curb & gutter, sidewalks, street lighting and a drainage system. Design started in 2015 with right-of-way (ROW) acquisition started in 2016. Utility relocation, while planned for 2016, won't occur until spring of 2017 once ROW is acquired. Construction will likely start later in 2017.

10. Previous Funding: \$2,505,000 Total Funding: \$3,005,000 Future Funding: \$0

11 Project Schedule and Estimate		Year	Amount
a. Design/Administrative Fees			\$ -
b. Right-of Way			\$ -
c. Construction/Service Fees	2018		\$ 462,500
d. Contingency			\$ 20,000
e. Technology			\$ 7,500
f. Financing Costs (Temp Notes)			\$ 10,000
g. Cost of Issuance (Rev/GO Bonds)			\$ -
h. Debt Reserve Fund (Rev Bonds)			\$ -
i. Capitalized Interest			\$ -
Project Total			\$ 500,000
Estimated Life of Item (years):		<u>30 years</u>	
Source of Estimate/Year:		<u>Eng. Div. -- 2015</u>	

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs for a new pavement versus the existing deteriorated pavement.

13. Amount by source of financing	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018	500,000					\$500,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$500,000		\$0	\$0	\$0	\$500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Bike Lanes on SE 6th & SE 10th Ave
Bridges over I-70 2. Project #: T-861009.00

3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2022

5. Type: New 6. Project Location: SE 6th & SE 10th Bridges over I-70

7. Contact Name: Brian Faust/Terry Coder 8. Contact Phone: 368-3033

9. Project Description: This project will fund widening of the SE 6th Avenue and SE 10th Avenue bridges over I-70 for bike lanes when the bridges are replaced with the Kansas Department of Transportation's Polk-Quincy Realignment Project. The Topeka Bikeways Master Plan recommends a 5' bike lane on both sides of 6th Avenue (Bike Route 1) and 10th Avenue (Bike Route 7) in future replacements of these roadways. An exact timeframe for the realignment project is unknown until Kansas Department of Transportation receives full funding for construction. The project is being placed in the last year of the 5 year Capital Improvement Program (CIP) and will likely keep moving back to the fifth year of subsequent CIPs until a more exact construction timeframe is known.

10. Previous Funding: \$ - Total Funding: \$500,000 Future Funding: \$ -

11. Project Schedule and Estimate		
	Year	Amount
a. Design/Administrative Fees		\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees	2022	\$ 483,000
d. Contingency		\$ -
e. Technology		\$ 7,000
f. Financing Costs (Temp Notes)		\$ 10,000
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 500,000
Estimated Life of Item (years):		<u>30 years</u>
Source of Estimate/Year:		<u>Eng. Div. 2015</u>

12. Estimated Annual Operating Cost

Basis for Cost Estimate and Funding Source:
Operating costs to the City are minimal as these bridges are maintained by the Kansas Department of Transportation.

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021						\$0
2022	500,000					\$500,000
5 Year Total:	\$500,000	\$0	\$0	\$0	\$0	\$500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: SW Arvonía Place/Huntoon Street/I-470 Ramps 2. Project #: T-701014.00
 3. Dept/Div: Public Works / Engineering 4. Project Year(s): 2021
 5. Type: Repair/Replace 6. Project Location: SW Arvonía Pl./SW Huntoon/I-470
 7. Contact Name: Brian Faust/Terry Coder 8. Contact Phone: 368-3033

9. Project Description: This project will improve traffic operations, safety, and level of service in the area of SW Arvonía Place, SW Huntoon Street, SW Winding Road, I-470 Ramps, and SW Wanamaker Road. The existing roadway network serving the area bounded on the north by SW Huntoon Street, on the west by SW Urish Road, on the south by SW 17th Street, and on the east by SW Wanamaker Road is operating at or near capacity at several locations. Both the City and Kansas Department of Transportation (KDOT) have determined that additional development in the area should be closely reviewed so that a roadway network is provided with acceptable capacity for the additional development. Recent traffic impact studies for proposed developments in the area have revealed that geometric and traffic operation deficiencies in the existing roadway network are so significant that further development would cause traffic operations failure of several intersections. Also includes a water line relocation estimated at \$500,000. Design is total design including water line. Funding of \$1.125M (GO) was included in 2017 CIP. Design and right-of-way are estimated at \$520,000. KDOT funding has not been secured but is estimated to be \$1.0 Million.

10. Previous Funding: \$1.25m - Design/ROW 2016/17 Total Funding: \$5,767,000 Future Funding: \$0

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees	2019-2021	\$ 4,300,000
d. Contingency	6%	\$ 264,500
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 33,000
g. Cost of Issuance (Rev/GO Bonds)		\$ 44,000
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 4,641,500
Estimated Life of Item (years):	<u>30 years</u>	
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax.

13. Amount by source of financing						
	1. G.O. Bonds	2. Federal Funds	3.	4.	5.	TOTAL
2018		1,000,000				\$1,000,000
2019	1,023,500					\$1,023,500
2020	1,024,000					\$1,024,000
2021	1,594,000					\$1,594,000
2022						\$0
5 Year Total:	\$3,641,500	\$1,000,000		\$0	\$0	\$4,641,500



City of Topeka

Capital Improvement Project Summary

1. Project Title: Infill Sidewalks/Pedestrian Master Plan 2. Project #: T-241034.00
 3. Dept/Div: Public Works / Engineering 4. Project Year(s): 2018-2022
 5. Type: New and Repair/Replace 6. Project Location: Various
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project constructs new and provides restoration of sidewalks to provide continuous pedestrian access as identified in the Pedestrian Master Plan or through requests from the public. The project will improve connectivity by extending the network of pedestrian routes in the community and adding to the City's multi-modal transportation system. Priority areas will focus on those areas identified in the Pedestrian Master Plan.

10. Previous Funding: \$600K/yr Total Funding: \$600K/yr Future Funding: \$600K/yr

11. Project Schedule and Estimate

	Year	Amount
a. Design/Administrative Fees	Annual	\$ 45,000
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ 500,000
d. Contingency		\$ 34,000
e. Technology		\$ 9,000
f. Financing Costs (Temp Notes)		\$ 12,000
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 600,000

Estimated Life of Item (years): 30 years
 Source of Estimate/Year: Eng. Div. -- 2015

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Operating costs will be minimal.

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018	600,000					\$600,000
2019	600,000					\$600,000
2020	600,000					\$600,000
2021	600,000					\$600,000
2022	600,000					\$600,000
5 Year Total:	\$3,000,000		\$0	\$0	\$0	\$3,000,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: SW 10th Avenue -- SW Fairlawn Road to SW Wanamaker Road 2. Project #: T-701015.00

3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2017-2022

5. Type: Repair/Replace 6. Project Location: SW 10th Ave. Fairlawn to Wanamaker

7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project will widen SW 10th Avenue between SW Fairlawn Road and SW Wanamaker Road. The new roadway will include curb & gutter, sidewalks, street lighting, and a drainage system. Design is scheduled to start in 2017 with utility relocation in 2018 and construction in 2019. \$400k from GO Bonds was included in 2017 CIP.

10. Previous Funding: \$400,000 - 2017	Total Funding: \$6,000,000	Future Funding: \$ -
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11. Project Schedule and Estimate		
	Year	Amount
a. Design/Administrative Fees	2017-2019	\$ 95,000
b. Right-of Way	2020-2022	\$ 200,000
c. Construction/Service Fees	2020-2022	\$ 5,000,000
d. Contingency		\$ 102,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 87,000
g. Cost of Issuance (Rev/GO Bonds)		\$ 116,000
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 5,600,000

Estimated Life of Item (years): 30 years

Source of Estimate/Year: Eng. Div. -- 2015

12. Estimated Annual Operating Cost

Basis for Cost Estimate and Funding Source:
 Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs for the new pavement versus the existing deteriorated pavement.

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	240,000					\$240,000
2021	1,360,000					\$1,360,000
2022	4,000,000					\$4,000,000
5 Year Total:	\$5,600,000		\$0	\$0	\$0	\$5,600,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>SW Wanamaker Road/SW Huntoon Street/ I-470 Ramps</u>	2. Project #:	<u>T-701018.00</u>
3. Dept/Div:	<u>Public Works / Engineering</u>	4. Project Year(s):	<u>2020-2022</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location:	<u>SW Wanamaker/SW Huntoon/ I-470</u>
7. Contact Name:	<u>Brian Faust</u>	8. Contact Phone:	<u>368-3033</u>

9. Project Description: This project will improve traffic operations, safety and level of service in the SW Wanamaker Road, SW Huntoon Street, I-470/Wanamaker Exit Ramp, and I-470/Winding Road Entrance Ramp areas. The existing roadway network serving the area bounded by SW Huntoon Street, SW Urish Road, SW 17th Street, and SW Wanamaker Road is operating at or near capacity at several locations. Recent traffic impact studies for proposed developments in the area have indicated further development will cause traffic operation failures of several intersections. City staff has worked with the Kansas Department of Transportation and a consultant on a Traffic Impact Study to determine geometric and intersection improvements and access control necessary to accommodate anticipated traffic from future developments and traffic growth in the area. This project will provide recommended geometric improvements to the intersection of SW Wanamaker Road and SW Huntoon Street and along SW Wanamaker Road at the I-470 Exit Ramp and I-470/Winding Road Entrance Ramp. This area is experiencing congestion and a low level of service under existing conditions. Design is expected to start in 2019 with construction to follow in 2020-21.

10. Previous Funding:	\$ -	Total Funding:	\$4,400,000	Future Funding:	\$ -
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2020-2021	\$ 350,000	Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax.	
b. Right-of Way	2020-2021	\$ 50,000		
c. Construction/Service Fees	2021-2022	\$ 3,720,000		
d. Contingency		\$ 206,000		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 32,000		
g. Cost of Issuance (Rev/GO Bonds)		\$ 42,000		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 4,400,000		
Estimated Life of Item (years):	<u>30 years</u>			
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>			

13. Amount by source of financing	1. G.O. Bonds	2. Federal Funds	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	200,000	1,100,000				\$1,300,000
2021	1,000,000	1,100,000				\$2,100,000
2022	1,000,000					\$1,000,000
5 Year Total:	\$2,200,000	\$2,200,000		\$0	\$0	\$4,400,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>NW Tyler Street -- NW Lyman Road to NW Paramore Street</u>	2. Project #:	<u>T-701019.00</u>
3. Dept/Div:	<u>Public Works / Engineering</u>	4. Project Year(s):	<u>2020-2022</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location:	<u>NW Tyler St. -- Lyman to Beverly</u>
7. Contact Name:	<u>Brian Faust</u>	8. Contact Phone:	<u>368-3033</u>

9. Project Description: This project provides funding for widening NW Tyler Street between NW Lyman Road and NW Paramore Street in conjunction with a citywide sales tax project. The new roadway will include curb & gutter, sidewalks and a drainage system. NW Tyler Street is a minor arterial street. Design is expected to start in 2020 with right-of-way acquisition and utility relocation in 2021. Construction to follow in 2022.

10. Previous Funding:	\$ -	Total Funding:	\$ 1,900,000	Future Funding:	\$ 1,500,000.00
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11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2020	\$ 150,000
b. Right-of Way	2021	\$ 150,000
c. Construction/Service Fees	2022	\$ 1,525,000
d. Contingency		\$ 47,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 12,000
g. Cost of Issuance (Rev/GO Bonds)		\$ 16,000
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 1,900,000
Estimated Life of Item (years):	<u>30 years</u>	
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs for new pavement versus existing deteriorated pavement.

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	150,000					\$150,000
2021	150,000					\$150,000
2022	1,600,000					\$1,600,000
5 Year Total:	\$1,900,000		\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$1,900,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: SE 29th Street/Kansas Turnpike Authority Interchange 2. Project #: T-701017.00
 3. Dept/Div: Public Works/Engineering 4. Project Year(s): 2022
 5. Type: New 6. Project Location: SE 29th St/KTA Interchange
 7. Contact Name: Brian Faust 8. Contact Phone: (785) 368-3033

9. Project Description: This project will construct a new interchange on the Kansas Turnpike at SE 29th Street. The exact configuration, timeframe, and cost of this project are unknown. Planning estimate of construction cost ranges from \$18-20 million. The project (design) is being placed in year 2022 as a placeholder. The City of Topeka will request a portion of the costs to be paid by the Kansas Department of Transportation and Kansas Turnpike Authority. This project sheet represents the estimated City portion of concept design only.

10. Previous Funding: \$ - Total Funding: \$500,000 Future Funding: \$0

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2022	\$ 500,000
b. Right-of Way		
c. Construction/Service Fees		
d. Contingency		
e. Technology		\$ -
f. Financing Costs (Temp Notes)		
g. Cost of Issuance (Rev/GO Bonds)		
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 500,000
Estimated Life of Item (years):	<u>30 years</u>	
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Operating costs are unknown at this time.

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021						\$0
2022	500,000					\$500,000
5 Year Total:	\$500,000		\$0	\$0	\$0	\$500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>SW 29th Street from Burlingame to Mulvane Street</u>	2. Project #:	<u>T-601069.00</u>
3. Dept/Div:	<u>Public Works/Engineering</u>	4. Project Year(s):	<u>2022</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location:	<u>SW 29th</u>
7. Contact Name:	<u>Brian Faust</u>	8. Contact Phone:	<u>785-368-3033</u>

9. Project Description: SW 29th from Burlingame to Mulvane is comprised of failing concrete panels. This stretch (approximately 500 feet) needs to be reconstructed. No additional right-of-way and limited utility relocations will be required.

10. Previous Funding: \$ - Total Funding: \$ 1,800,000.00 Future Funding: \$ 1,750,000.00

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2022	\$ 50,000
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 50,000
Estimated Life of Item (years):	<u>30 years</u>	
Source of Estimate/Year:	<u>Eng. Div. -- 2016</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs for the new pavement versus the existing deteriorated pavement.

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021						\$0
2022	50,000					\$50,000
5 Year Total:	\$50,000	\$0	\$0	\$0	\$0	\$50,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: SE Quincy Street from 6th to 8th 2. Project #: T-601070.00
 3. Dept/Div: Public Works/Engineering 4. Project Year(s): 2022
 5. Type: Repair/Replace 6. Project Location: SE Quincy
 7. Contact Name: Brian Faust 8. Contact Phone: 785-368-3033

9. Project Description: SW Quincy from 6th to 8th is in decent shape - critical to keep the roads in good condition before reconstruction is needed. This stretch falls within the mill/overlay with minor curb repair. No right-of-way or utility relocation is anticipated. This section is approximately 1100 feet.

10. Previous Funding: \$ - Total Funding: \$ 300,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost
	Year	Amount	
a. Design/Administrative Fees	2022	\$ 10,000	Basis for Cost Estimate and Funding Source: Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs for the new pavement versus the existing deteriorated pavement.
b. Right-of Way		\$ -	
c. Construction/Service Fees	2022	\$ 280,000	
d. Contingency		\$ 10,000	
e. Technology		\$ -	
f. Financing Costs (Temp Notes)		\$ -	
g. Cost of Issuance (Rev/GO Bonds)		\$ -	
h. Debt Reserve Fund (Rev Bonds)		\$ -	
i. Capitalized Interest		\$ -	
Project Total		\$ 300,000	
Estimated Life of Item (years):	<u>30 years</u>		
Source of Estimate/Year:	<u>Eng. Div. -- 2016</u>		

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021						\$0
2022	300,000					\$300,000
5 Year Total:	\$300,000	\$0	\$0	\$0	\$0	\$300,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: SW 10th Avenue from Wanamaker to SW Gerald Lane 2. Project #: T-701023.00

3. Dept/Div: Public Works/Engineering 4. Project Year(s): 2022-2024

5. Type: New 6. Project Location: SW 10th

7. Contact Name: Brian Faust 8. Contact Phone: 785-369-3033

9. Project Description: SW 10th Street just west of Wanamaker narrows to a 2-lane rural section. There is commercial development on this section with a transition to residential housing to the west. Road should be upgraded to a 3-lane section to Gerald Lane with additional expansion to the west at a future date. Note - significant drainage structure (bridge) just east of Gerald Lane with 2 lanes across. With residential to the west, an option is to narrow to a two lane section at the bridge and transition back to 3 lane further west. Need to look at traffic projections and growth potential before finalizing design. Length is approximately 1200 feet.

10. Previous Funding: \$ - Total Funding: \$ 1,500,000.00 Future Funding: \$ 1,350,000.00

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2022	\$ 150,000
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 150,000
Estimated Life of Item (years):		<u>30 years</u>
Source of Estimate/Year:		<u>Eng. Div. -- 2016</u>

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source: Any additional lanes will add maintenance costs primarily funded out of the Motor Fuel Fund.

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021						\$0
2022	150,000					\$150,000
5 Year Total:	\$150,000		\$0	\$0	\$0	\$0 \$150,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: South Kansas Avenue (1st Street - 6th Street) 2. Project #: T-701024.00
 3. Dept/Div: Public Works 4. Project Year(s): 2020-2027
 5. Type: Repair/Replace 6. Project Location: S. Kansas Avenue (1st - 6th)
 7. Contact Name: Jason Peek 8. Contact Phone: 785-368-3801

Project Description: This project will continue the downtown South Kansas Avenue infrastructure and streetscape improvements. The project is in support of continued renewal of Topeka's downtown and effort to complete a revitalize street corridor between 10th street and the Kansas River. The project will include repair and replacement of waterline, stormwater, sewer, street, sidewalk infrastructure, and other streetscape elements.

10. Previous Funding: \$ - Total Funding: \$ 300,000.00 Future Funding: \$ 14,700,000.00

11. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ 300,000
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 300,000
Estimated Life of Item (years):	<u>20-30</u>	
Source of Estimate/Year:	<u>2016</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source: The funding source for street repair work is primarily Motor Fuel Tax. This project should provide a net reduction in operating costs by improving deteriorated infrastructure elements.

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	150,000					\$150,000
2021	50,000					\$50,000
2022	100,000					\$100,000
5 Year Total:	\$300,000		\$0	\$0	\$0	\$0 \$300,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Parking Lot Resurfacing and Enlargement Phase 1 2. Project #: T-301052.00
 3. Dept/Div: Zoo 4. Project Year(s): 2018
 5. Type: Repair/Replace 6. Project Location: Zoo
 7. Contact Name: Brendan Wiley 8. Contact Phone: 368-9131

9. Project Description: This project will mill and overlay the existing parking lot. It will also extend the lot North and South to make room for additional spots. This project will also benefit the Helen Hocker Theatre, Mini Train and the Big Gage Shelter House.

10. Previous Funding: \$ - Total Funding: \$ 416,079.00 Future Funding: \$ -

11. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ 25,217
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ 360,242
d. Contingency		\$ 21,614
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ 9,006
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 416,079

Estimated Life of Item (years): 30 Years
 Source of Estimate/Year: 2016

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source: This project will not increase annual operating costs.

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018	416,079					\$416,079
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$416,079	\$0	\$0	\$0	\$0	\$416,079



City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Tropical Rain Forest HVAC Replacement 2. Project #: T-301053.00
 3. Dept/Div: Zoo 4. Project Year(s): 2019
 5. Type: Repair/Replace 6. Project Location: Zoo
 7. Contact Name: Brendan Wiley 8. Contact Phone: 368-9131

9. Project Description: This project will replace 30 tons of air conditioning units installed in 2007. Because of heavy usage, these air conditioning units are expected to be at the end of their life cycle around this time.

10. Previous Funding: \$ - Total Funding: \$ 243,432.00 Future Funding: \$ -

11. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ 12,348
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ 176,400
d. Contingency		
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 10,584
g. Cost of Issuance (Rev/GO Bonds)		\$ 44,100
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 243,432

Estimated Life of Item (years): 30 Years
 Source of Estimate/Year: 2016

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source: This project will not increase annual operating costs.

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019	243,432					\$243,432
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$243,432	\$0	\$0	\$0	\$0	\$243,432



City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Discovering Apes Building Roof Replacement 2. Project #: T-301054.00

3. Dept/Div: Zoo 4. Project Year(s): 2020

5. Type: Repair/Replace 6. Project Location: Zoo

7. Contact Name: Brendan Wiley 8. Contact Phone: 368-9131

9. Project Description: This project will replace the roof on the Discovering Apes Building that was built in 1985. The roof is expected to be at the end of its life around this year.

10. Previous Funding: \$ - Total Funding: \$ 191,009.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2020	\$ 11,576
b. Right-of Way		\$ -
c. Construction/Service Fees	2020	\$ 165,375
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 9,923
g. Cost of Issuance (Rev/GO Bonds)		\$ 4,135
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 191,009
Estimated Life of Item (years):	<u>30 Years</u>	
Source of Estimate/Year:	<u>2014</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source: This project will not increase annual operating costs.

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	191,009					\$191,009
2021						\$0
2022						\$0
5 Year Total:	\$191,009		\$0	\$0	\$0	\$191,009



City of Topeka

Capital Improvement Project Summary

1. Project Title: Kay's Garden - Zoo 2. Project #: T-301049.00
 3. Dept/Div: Zoo 4. Project Year(s): 2016-2018
 5. Type: New 6. Project Location: Zoo
 7. Contact Name: Brendan Wiley 8. Contact Phone: 368-9131

9. Project Description: This project, made possible through a bequest, will construct a world class Asian garden with a strolling path around a water feature. Also constructed with this project will be a building to support the garden through event rental, special exhibits and a museum area dedicated to the donor and her family.
Note: The city is bonding the project cost, but Friends of the Zoo (FOTZ) will pay \$250,000 annually to cover the full debt payment.

10. Previous Funding: \$ 691,000.00 Total Funding: \$ 6,093,403.00 Future Funding: \$ -

11. Project Schedule and Estimate		12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	
a. Design/Administrative Fees		\$ 102,403	Basis for Cost Estimate and Funding Source: The construction and operating costs for this project will be supported through a living trust designated for the project.
b. Right-of Way		\$ -	
c. Construction/Service Fees		\$ 4,820,000	
d. Contingency		\$ 480,000	
e. Technology		\$ -	
f. Financing Costs (Temp Notes)		\$ -	
g. Cost of Issuance (Rev/GO Bonds)		\$ -	
h. Debt Reserve Fund (Rev Bonds)		\$ -	
i. Capitalized Interest		\$ -	
Project Total		\$ 5,402,403	
Estimated Life of Item (years):	<u>30 Years</u>		
Source of Estimate/Year:	<u>2016</u>		

13. Amount by source of financing

	1. G.O. Bonds paid by FOTZ	2. Donations	3. Countywide Sales Tax	4.	5.	TOTAL
2018	2,233,086	2,669,317	500,000			\$5,402,403
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$2,233,086	\$2,669,317	\$500,000	\$0	\$0	\$5,402,403



City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Public Area Electrical Upgrade 2. Project #: T-301055.00
 3. Dept/Div: Zoo 4. Project Year(s): 2022
 5. Type: New 6. Project Location: Zoo
 7. Contact Name: Brendan Wiley 8. Contact Phone: 368-9131

9. Project Description: This project will bring electrical utilities up to a standard around the public areas of the zoo to support evening events. History would show that one of the obvious areas of growth is in evening rentals of the zoo and an extension of the zoo season in November and December by hosting a zoo lights program. This project budget would accomplish both goals. This project was estimated by Friends of the Zoo in 2016. Local contractors were willing to donate approximately \$40,000 of the project. It would be hoped that they would offer that same discount to the City of Topeka reducing the project by that amount.

10. Previous Funding: \$ - Total Funding: \$ 262,500.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2022	\$ 15,000
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ 175,000
d. Contingency		\$ 17,500
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 11,000
g. Cost of Issuance (Rev/GO Bonds)		\$ 44,000
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 262,500
Estimated Life of Item (years):	<u>30</u>	
Source of Estimate/Year:	<u>2016</u>	

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source: Cost estimate is based on 3 bids received in 2016. Annual operating cost will be offset by earned revenue.

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021						\$0
2022	262,500					\$262,500
5 Year Total:	\$262,500	\$0	\$0	\$0	\$0	\$262,500



City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo - School and Group Entrance and Parking Lot Phase 2 2. Project #: T-301056.00

3. Dept/Div: Zoo 4. Project Year(s): 2020

5. Type: New 6. Project Location: Zoo

7. Contact Name: Brendan Wiley 8. Contact Phone: 368-9131

9. Project Description: This project will create a group and school group entrance into the Topeka Zoo to ease main parking compression for the attraction. The location for this project will occur just South of the Helen Hocker complex. This project will also create extra parking for the Zoo, Big Gage, Helen Hocker and Animal Land.

10. Previous Funding: \$ - Total Funding: \$ 850,000.00 Future Funding: \$ -

11. Project Schedule and Estimate		12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	
a. Design/Administrative Fees		\$ 190,000	Basis for Cost Estimate and Funding Source: There will be a small utility increase and seasonal staffing needs provided by FOTZ.
b. Right-of Way		\$ -	
c. Construction/Service Fees		\$ 600,000	
d. Contingency		\$ 60,000	
e. Technology		\$ -	
f. Financing Costs (Temp Notes)		\$ -	
g. Cost of Issuance (Rev/GO Bonds)		\$ -	
h. Debt Reserve Fund (Rev Bonds)		\$ -	
i. Capitalized Interest		\$ -	
Project Total		\$ 850,000	
Estimated Life of Item (years):	<u>30</u>		
Source of Estimate/Year:	<u>2016</u>		

13. Amount by source of financing

	1. G.O. Bonds	2. Countywide Sales Tax	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	600,000	250,000				\$850,000
2021						\$0
2022						\$0
5 Year Total:	\$600,000	\$250,000	\$0	\$0	\$0	\$850,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Public Path Barrier Replacement Project 2. Project #: T-301057.00
 3. Dept/Div: Zoo 4. Project Year(s): 2022-2023
 5. Type: New 6. Project Location: Zoo
 7. Contact Name: Brendan Wiley 8. Contact Phone: 368-9131

9. Project Description: This project will replace all of the 42 inch public barrier at the zoo that prevents guests from having interaction with potentially dangerous animals. The current barrier is constructed off a cedar fencing system which routinely fails in our soil conditions. The new system will be a themed PVC product that has an anti-climb finish factored into it. This project will help minimize the risk of unintended guest encounters with dangerous animals into the future. Over the years of this project, it will replace almost a half mile of failing barrier.

10. Previous Funding: \$ - Total Funding: \$ 500,000.00 Future Funding: \$ -

11. Project Schedule and Estimate	
	<u>Year</u> <u>Amount</u>
a. Design/Administrative Fees	\$ 170,000
b. Right-of Way	\$ -
c. Construction/Service Fees	\$ 300,000
d. Contingency	\$ 30,000
e. Technology	\$ -
f. Financing Costs (Temp Notes)	\$ -
g. Cost of Issuance (Rev/GO Bonds)	\$ -
h. Debt Reserve Fund (Rev Bonds)	\$ -
i. Capitalized Interest	\$ -
Project Total	\$ 500,000
Estimated Life of Item (years):	<u>30 Years</u>
Source of Estimate/Year:	<u>2016</u>

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source: This project will not increase annual operating costs.

13. Amount by source of financing						
	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021						\$0
2022	500,000					\$500,000
5 Year Total:	\$500,000	\$0	\$0	\$0	\$0	\$500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Municipal Buildings Major Renovation</u>	2. Project #:	<u>T-131051.00</u>
3. Dept/Div:	<u>Public Works</u>	4. Project Year(s):	<u>2016-2020</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location:	<u>City Hall</u>
7. Contact Name:	<u>Vince Schuetz</u>	8. Contact Phone:	<u>368-3934</u>

Project Description: This project originated to fix City Hall Sewer gas venting issue on the 2nd floor east side and other building mechanical and electric system issues within City Hall. Upon completion the initial assessment, the extent of deficient mechanical, electric, and plumbing (MEP) was found throughout the building. Upgrades are also needed to the fire suppressant system to be code compliant. These systems are deficient due to multiple reasons: age/condition, functionality, capacity, code compliance, performance, and availability of parts. In addition to deficient MEP, asbestos abatement will likely be necessary during replacement. To replace these systems will require extensive work throughout the 45,647 square feet of building interiors. This work is necessary to access and replace ductwork, plumbing, electrical and other MEP systems that are within existing walls. The project scope has increased to include renovation of building interiors for needed MEP repair work. The interior work will also need to consider the historic nature of the building along with current and future use.

City Hall is located in a designated historic district. As such, parts or all of this project could be eligible to receive State Historic Tax Credits upon completion. If appropriate, these funds could supplement the overall costs of this project. The City would receive 25% of the total costs associated with eligible project activities at approximately .90 to .92 cents on the dollar. The City could also pursue a Heritage Trust Fund Grant which could total up to \$90,000. This funding is contingent upon several requirements and other factors that would be determined by the State Historical Society

10. Previous Funding: \$ 175,000.00 Total Funding: \$ 8,375,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u> This project should provide decreased future maintenance costs associated with City Hall as major necessary renovations will take place.	
a. Design/Administrative Fees	2018-2022	\$ 700,000		
b. Right-of Way		\$ -		
c. Construction/Service Fees		\$ 6,000,000		
d. Contingency		\$ 447,000		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 117,000		
g. Cost of Issuance (Rev/GO Bonds)		\$ 156,000		
h. Debt Reserve Fund (Rev Bonds)		\$ 780,000		
i. Capitalized Interest		\$ -		
	Project Total	\$ 8,200,000		
Estimated Life of Item (years):	<u>40-50</u>			
Source of Estimate/Year:	<u>Facilities/2014-2015</u>			

13. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2018	1,350,000					\$1,350,000
2019	2,000,000					\$2,000,000
2020	2,000,000					\$2,000,000
2021	1,650,000					\$1,650,000
2022	1,200,000					\$1,200,000
5 Year Total:	\$8,200,000		\$0	\$0	\$0	\$8,200,000



Wastewater Projects



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Annual Wastewater Lining & Replacement Program</u>	2. Project #:	<u>T-291048.00</u>
3. Dept/Div:	<u>Public Works / UAM - Wastewater</u>	4. Project Year(s):	<u>2018-2022</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location	<u>Citywide</u>
7. Contact Name:	<u>Stephen Miller</u>	8. Contact Phone:	<u>368-1640</u>

9. Project Description: Sanitary sewer main lining and replacement projects focus on sewer lining and/or replacement of conduits and manholes deemed to have the most extensive cleaning, foaming, and repair histories in and effort to reduce the need for costly repairs and maintenance of failing wastewater mains, as well as address Environment Protection Agency required inflow and infiltration elimination. This comprehensive replacement program improves the integrity of our sanitary infrastructure as well as ensures the required regulatory compliance. Individual projects may be combined in groups or administered separately as deemed necessary. Topeka's wastewater conveyance system consists of roughly 880 miles of sewer mains, 81 pump stations and 13,000 manholes. The process of lining sewer assets protects them from becoming inundated with inflow and infiltration from ground water, tree roots and other erosive materials that can cause sewer line breaks, sewage backups, and SSOs (wastewater flows into Storm water conveyance system). This type of lining also prevents corrosion of these assets, thus increasing their estimated life span. This initiative is a regulatory requirement by the Kansas Department of Health and Environment and the Environmental Protection Agency for the elimination and reduction of inflow and infiltration and sanitary sewer overflow activity. The program will also reduce City wastewater utility operation and maintenance costs associated with these assets.

10. Previous Funding:	\$1,000,000	Annual Total Funding:	\$ 22,000,000.00	Future Funding:	\$ 47,000,000.00
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost		\$0
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>		
a. Design/Administrative Fees	2018-2022	\$ 1,383,260	Program is for the repair and replacement of existing assets so no new operating and maintenance costs are anticipated.		
b. Right-of Way		\$ -			
c. Construction/Service Fees	2018-2022	\$ 18,000,000			
d. Contingency		\$ -			
e. Technology		\$ -			
f. Financing Costs (Temp Notes)		\$ 290,749			
g. Cost of Issuance (Rev/GO Bonds)		\$ 387,665			
h. Debt Reserve Fund (Rev Bonds)		\$ 1,938,326			
i. Capitalized Interest		\$ -			
Project Total		\$ 22,000,000			
Estimated Life of Item (years):	<u>40-80</u>				
Source of Estimate/Year:	<u>WPC/2013</u>				

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	2,000,000					\$2,000,000
2019	3,000,000					\$3,000,000
2020	4,000,000					\$4,000,000
2021	5,000,000					\$5,000,000
2022	8,000,000					\$8,000,000
5 Year Total:	\$22,000,000		\$0	\$0	\$0	\$22,000,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Annual Water Pollution Control Facility Rehabilitation Program 2. Project #: T-291069.00
 3. Dept/Div: Public Works / UAM - Wastewater 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Sylvia Davis 8. Contact Phone: 368-4239

9. Project Description: This project comprises repair and/or replacement of aged and failing structures and equipment that are critical in the overall operation of the wastewater treatment process and includes rehabilitation and or repair including but not limited to safety and structural integrity concerns such as roofs, HVAC/Mechanical equipment, structural facades, stairs, railings, and other wastewater facility rehabilitation and repair as needed to ensure the safety and overall operation of the sanitary facilities. Project efforts will reduce maintenance procedures and costs and prolong the useful life of existing Water Pollution Control Treatment Plant facilities in order to continue to meet state and federal regulations and ensure system reliability and public health and safety.

10. Previous Funding: \$ 1,000,000.00 Total Funding: \$ 5,000,000.00 Future Funding: \$ 1,000,000.00 Annual

11. Project Schedule and Estimate	
	Year Amount
a. Design/Administrative Fees	Annual \$ 100,000
b. Right-of Way	
c. Construction/Service Fees	Annual \$ 781,057
d. Contingency	\$ -
e. Technology	\$ -
f. Financing Costs (Temp Notes)	\$ 13,216
g. Cost of Issuance (Rev/GO Bonds)	\$ 17,621
h. Debt Reserve Fund (Rev Bonds)	\$ 88,106
i. Capitalized Interest	\$ -
Project Total	\$ 1,000,000
Estimated Life of Item (years):	<u>N/A</u>
Source of Estimate/Year:	<u>WPC/2015</u>

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source: Program is for the repair and replacement of existing assets. No new or additional operating and maintenance costs are anticipated. This project will provide a net reduction in operating costs by reducing the maintenance needs of the existing deteriorated assets.

13. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	1,000,000					\$1,000,000
2019	1,000,000					\$1,000,000
2020	1,000,000					\$1,000,000
2021	1,000,000					\$1,000,000
2022	1,000,000					\$1,000,000
5 Year Total:	\$5,000,000		\$0	\$0	\$0	\$5,000,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Annual Small Wastewater Pump Station Rehabilitation & Replacement Program 2. Project #: T-291068.00
 3. Dept/Div: Public Works / UAM - Wastewater 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Sylvia Davis 8. Contact Phone: 368-4239

9. Project Description: This project includes but not limited to complete or partial replacement and or rehabilitation of all required appurtenances to provide the complete safe and consistent functionality of these assets within the City.

10. Previous Funding: \$ 1,500,000.00 Total Funding: \$ 7,500,000.00 Future Funding: \$ 1,500,000.00 Annual

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source: Cost estimates are based on historical cost documentation.	
a. Design/Administrative Fees	Annual	\$ 150,000		
b. Right-of Way				
c. Construction/Service Fees	Annual	\$ 1,171,586		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 19,824		
g. Cost of Issuance (Rev/GO Bonds)		\$ 26,432		
h. Debt Reserve Fund (Rev Bonds)		\$ 132,159		
i. Capitalized Interest		\$ -		
Project Total		\$ 1,500,000		
Estimated Life of Item (years):	<u>N/A</u>			
Source of Estimate/Year:	<u>WPC/2015</u>			

13. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	1,500,000					\$1,500,000
2019	1,500,000					\$1,500,000
2020	1,500,000					\$1,500,000
2021	1,500,000					\$1,500,000
2022	1,500,000					\$1,500,000
5 Year Total:	\$7,500,000		\$0	\$0	\$0	\$7,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Annual Sanitary Sewer Interceptor Maintenance & Rehabilitation Program 2. Project #: T-291067.00

3. Dept/Div: Public Works / UAM - Wastewater 4. Project Year(s): 2018-2022

5. Type: Repair/Replace 6. Project Location Citywide

7. Contact Name: Sylvia Davis 8. Contact Phone: 368-4239

9. Project Description: This program includes necessary system evaluations to determine preliminary design and potential rehabilitation strategies to implement for the sanitary interceptor sewer system. These actions will support compliance with Federal and State regulatory standards for combined sewer overflow impact removal of source (storm) water from sanitary sewer system(s) through the identification and planning effort for mitigating or eliminating inflow of stormwater, ground water and root infiltration.

10. Previous Funding: \$ 1,500,000.00 Total Funding: \$ 7,500,000.00 Future Funding: \$ 1,500,000.00 Annual

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	Annual	\$ 150,000	Cost estimates are based on historical cost documentation.	
b. Right-of Way				
c. Construction/Service Fees	2018-2022	\$ 1,171,586		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 19,824		
g. Cost of Issuance (Rev/GO Bonds)		\$ 26,432		
h. Debt Reserve Fund (Rev Bonds)		\$ 132,159		
i. Capitalized Interest		\$ -		
Project Total		\$ 1,500,000		
Estimated Life of Item (years):	<u>N/A</u>			
Source of Estimate/Year:	<u>WPC/2015</u>			

13. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	1,500,000					\$1,500,000
2019	1,500,000					\$1,500,000
2020	1,500,000					\$1,500,000
2021	1,500,000					\$1,500,000
2022	1,500,000					\$1,500,000
5 Year Total:	\$7,500,000		\$0	\$0	\$0	\$7,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Annual Wastewater Plant Operations Equipment & Fleet Maintenance & Replacement Program 2. Project #: T-291080.00
 3. Dept/Div: Public Works / UAM - Wastewater 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Sylvia Davis 8. Contact Phone: 368-4239

9. Project Description: The purpose of this program is to establish a capital equipment plan for the repair and replacement of City Wastewater Plant equipment and vehicles. This program will limit unexpected large capital expenditures and control the overall cost of operating and maintaining this equipment. This program also ensures that equipment does not become outdated and is maintained in a manner that extends the useful life of these assets and reduces maintenance costs through improved equipment reliability.

10. Previous Funding: \$300,000 Annual Total Funding: \$1,500,000.00 Future Funding: \$ 300,000.00 Annual

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees		\$ -	This is an annual operating and maintenance program. Estimated operating cost is the total cost for this program.	
b. Right-of Way		\$ -		
c. Construction/Service Fees	Annual	\$ 300,000		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)				
g. Cost of Issuance (Rev/GO Bonds)				
h. Debt Reserve Fund (Rev Bonds)				
i. Capitalized Interest		\$ -		
Project Total		\$ 300,000		
Estimated Life of Item (years):	<u>N/A</u>			
Source of Estimate/Year:	<u>WPC/2014</u>			

13. Amount by source of financing

	1. WW Op Fund	2.	3.	4.	5.	TOTAL
2018	300,000					\$300,000
2019	300,000					\$300,000
2020	300,000					\$300,000
2021	300,000					\$300,000
2022	300,000					\$300,000
5 Year Total:	\$1,500,000		\$0	\$0	\$0	\$1,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	Annual Water Pollution Control Inflow & Infiltration Program	2. Project #:	T-291084.00
3. Dept/Div:	Public Works / UAM - Wastewater	4. Project Year(s):	2018-2022
5. Type:	Repair/Replace	6. Project Location	Citywide
7. Contact Name:	Sylvia Davis	8. Contact Phone:	368-4239

9. Project Description: Inflow and Infiltration (I & I) projects are designed to clean, repair, and/or replace damaged or inoperative manholes and sewer lines in order to prevent ground water and tree roots from infiltrating the Sanitary Sewer System. This program aids in the elimination of excess water in the system that can cause overflows, sewer line backups, and contamination of waterways. This program provides preventative maintenance of the sewer lines that helps to extend the life of the assets, decrease operations and maintenance costs, and identify system assets that may be close to imminent failure and in need of a larger scale replacement. Projects in this program have a total project cost of less than \$100,000.

10. Previous Funding: \$500,000 Annual Total Funding: \$2,500,000.00 Future Funding: \$ 500,000.00 Annual

11. Project Schedule and Estimate			12. Estimated Annual Operating Cos \$500,000	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	Annual	\$ 50,000	This is an annual operating and maintenance program. Estimated operating cost is the total cost for this program.	
b. Right-of Way		\$ -	WPC 2013 Prevention Maintenance - cost per foot: \$0.52	
c. Construction/Service Fees	Annual	\$ 450,000	WPC 2013 Corrective Maintenance - cost per foot: \$1.31	
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)				
g. Cost of Issuance (Rev/GO Bonds)				
h. Debt Reserve Fund (Rev Bonds)				
i. Capitalized Interest		\$ -		
	Project Total	\$ 500,000		
Estimated Life of Item (years):	40-80			
Source of Estimate/Year:	WPC/2014			

13. Amount by source of financing

	1. WW Op Fund	2.	3.	4.	5.	TOTAL
2018	500,000					\$500,000
2019	500,000					\$500,000
2020	500,000					\$500,000
2021	500,000					\$500,000
2022	500,000					\$500,000
5 Year Total:	\$2,500,000		\$0	\$0	\$0	\$2,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	Lining Repairs - North Topeka Plant and Wanamaker Pump Station	2. Project #:	T-291043.00
3. Dept/Div:	Public Works / UAM - Wastewater	4. Project Year(s):	2017-2018
5. Type:	Repair/Replace	6. Project Location	1600 N Button Rd & 6305 SW 9th
7. Contact Name:	Sylvia Davis	8. Contact Phone:	368-4239

9. Project Description: This project will include design and rehabilitation of the protective pipe lining in the North Topeka Wastewater Treatment Plant sludge holding tanks and the wet wells at Wanamaker Pump Station. This project will prevent costly repair and replacement of these assets and also decrease cost associated with maintaining each asset. Both the North Topeka Wastewater Treatment Plant and the Wanamaker Pump Station are approximately 30 years old. The T-lock lining system is failing and causing deterioration to concrete wall and corrosion of the steel reinforcement leading to structural integrity concerns. Failure of these assets would adversely impact the wastewater treatment processes. The process of lining sewer piping interior with a protective coating, guards these assets from becoming inundated with inflow and infiltration from storm water, tree roots and other erosive materials that can cause sewer line breaks, sewage backups, and sanitary sewer overflows (wastewater flows into stormwater conveyance system). This type of lining also prevents corrosion of these assets. This initiative is a regulatory requirement by the Kansas Department of Health and Environment and the Environmental Protection Agency for the elimination and reduction of inflow and infiltration and sanitary sewer overflow activity. The project will also reduce City Wastewater Utility operation and maintenance costs associated with these efforts.

10. Previous Funding:	\$ 321,586.00	Total Funding:	\$ 1,178,414.00	Future Funding:	\$ -
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees		\$ -	Cost estimates provided are based on the City's available economic ability at this time.	
b. Right-of Way		\$ -		
c. Construction/Service Fees	2018	\$ 806,760		
d. Contingency	2018	\$ 231,490		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 15,574		
g. Cost of Issuance (Rev/GO Bonds)		\$ 20,765		
h. Debt Reserve Fund (Rev Bonds)		\$ 103,825		
i. Capitalized Interest		\$ -		
Project Total		\$ 1,178,414		
Estimated Life of Item (years):	TBD			
Source of Estimate/Year:				

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	1,178,414					\$1,178,414
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$1,178,414		\$0	\$0	\$0	\$1,178,414



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Wanamaker Force Main Rehabilitation Replacement</u>	2. Project #:	<u>T-291056.00</u>
3. Dept/Div:	<u>Public Works / UAM - Wastewater</u>	4. Project Year(s):	<u>2017-2018</u> Approx. par. S of I-70 at SW 9th St. E
5. Type:	<u>Repair/Replace</u>	6. Project Location:	<u>to SW Westchester Rd.</u>
7. Contact Name:	<u>Sylvia Davis</u>	8. Contact Phone:	<u>368-4239</u>

9. Project Description: Project will include preliminary investigation, design, and construction to repair and or rehabilitate the force main. This force main is approximately sixty years old and four miles in length and serves the sanitary needs of the Wanamaker corridor. Its integrity has been compromised at least three times. The current structural condition of the pipe is of concern to the City as well as Kansas Department of Health and Environment.

10. Previous Funding:	\$ 125,000.00	Total Funding:	\$ 8,625,000.00	Future Funding:	\$ -
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	2018	\$ 25,000	Program is for the repair and replacement of existing assets so no new or additional operating and maintenance costs are anticipated. This project may provide a net reduction in operating costs by reducing the maintenance needs of the existing deteriorated assets.	
b. Right-of Way				
c. Construction/Service Fees	2018	\$ 7,463,987		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 112,335		
g. Cost of Issuance (Rev/GO Bonds)		\$ 149,780		
h. Debt Reserve Fund (Rev Bonds)		\$ 748,899		
i. Capitalized Interest		\$ -		
Project Total		\$ 8,500,000		
Estimated Life of Item (years):	<u>40-80</u>			
Source of Estimate/Year:	<u>WPC/2015</u>			

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	8,500,000					\$8,500,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$8,500,000	\$0	\$0	\$0	\$0	\$8,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Ash Street Force Main Replacement 2. Project #: T-291057.00
 3. Dept/Div: Public Works / UAM - Wastewater 4. Project Year(s): 2017-2018
 5. Type: Repair/Replace 6. Project Location River Road to Oakland Treatment Plant
 7. Contact Name: Sylvia Davis 8. Contact Phone: 368-4239

9. Project Description: This project will consist of all necessary efforts to provide for the preliminary and final design, and construction of a new force main from the Ash Street pump station to the influent of Oakland Wastewater Treatment Plant. Currently there are two force mains serving this station. One approximately eighty years old the other fifty years old. The newer pipe failed in 2015 causing a sanitary overflow into the Kansas River. It was discovered at that time the integrity of the remaining pipe was of possible concern. In addition this area is being analyzed as part of the City's Combined Sewer Overflow Management Plan Project for possible increase in the sanitary sewer conveyance ability to assist in the mitigation of combined sewer overflows. This is a regulatory mandate from Kansas Department of Health and Environment.

10. Previous Funding: \$ 2,500,000.00 Total Funding: \$ 5,000,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost
	Year	Amount	
a. Design/Administrative Fees		\$ -	Basis for Cost Estimate and Funding Source: Program is for the repair and replacement of existing assets so no new or additional operating and maintenance costs are anticipated. This project will provide a net reduction in operating costs by reducing the maintenance needs of the existing deteriorated assets.
b. Right-of Way			
c. Construction/Service Fees	2018	\$ 2,097,643	
d. Contingency	2018	\$ 105,000	
e. Technology		\$ -	
f. Financing Costs (Temp Notes)		\$ 33,040	
g. Cost of Issuance (Rev/GO Bonds)		\$ 44,053	
h. Debt Reserve Fund (Rev Bonds)		\$ 220,264	
i. Capitalized Interest		\$ -	
Project Total		\$ 2,500,000	
Estimated Life of Item (years):	<u>TBD</u>		
Source of Estimate/Year:	<u></u>		

13. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	2,500,000					\$2,500,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$2,500,000	\$0	\$0	\$0	\$0	\$2,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Shunga Pump Station Rehabilitation 2. Project #: T-291058.00
 3. Dept/Div: Public Works / UAM - Wastewater 4. Project Year(s): 2017-2018
 5. Type: Repair/Replace 6. Project Location 2810 SW 29th Street
 7. Contact Name: Sylvia Davis 8. Contact Phone: 368-4239

9. Project Description: Project will include the planning, design and construction rehabilitation efforts required to rehabilitate and/or replace the wet well, pumps, bar screens, controls and electrical service for the Shunga Pump Station, as necessary. Including required regulatory upgrades associated with sanitary and combined sewer overflows. The project may also include the addition of flow monitoring of incoming interceptors, and possible installation of a new and improved odor control appurtenances. Implementation of corrective measures to minimize and or eliminate overflows is a regulatory mandate.

10. Previous Funding: \$ 300,000.00 Total Funding: \$ 6,500,000.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2018	\$ 335,683
b. Right-of Way		
c. Construction/Service Fees	2018	\$ 5,391,189
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 85,903
g. Cost of Issuance (Rev/GO Bonds)		\$ 114,537
h. Debt Reserve Fund (Rev Bonds)		\$ 572,687
i. Capitalized Interest		\$ -
Project Total		\$ 6,500,000
Estimated Life of Item (years):	<u>TBD</u>	
Source of Estimate/Year:	<u></u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Operating Cost Estimate based on researched approximation provided by Water Pollution Control Operations and Maintenance Management Staff.

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	6,500,000					\$6,500,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$6,500,000	\$0	\$0	\$0	\$0	\$6,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Oakland Aerator & Mixing Replacement</u>	2. Project #:	<u>T-291060.00</u>
3. Dept/Div:	<u>Public Works / UAM - Wastewater</u>	4. Project Year(s):	<u>2017-2018</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location:	<u>1115 NE Poplar</u>
7. Contact Name:	<u>Sylvia Davis</u>	8. Contact Phone:	<u>368-4239</u>

9. Project Description: This project includes the planning, design and rehabilitation and or replacement of the gear box equipment and appurtenances associated with the Oakland Wastewater Treatment Plant aeration basins. The existing equipment is failing and is outside of the warranty period. This project will allow the City to determine the best design and implementation for the appropriate corrective action. This equipment is essential to the biological treatment of the treatment plant and is required as part of the City's federal permit.

10. Previous Funding:	\$ 2,500,000.00	Total Funding:	\$ 2,500,000.00	Future Funding:	\$ -
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cos		\$1,500
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>		
a. Design/Administrative Fees		\$ -	Annual Operating Cost Estimate based on researched approximation provided by Water Pollution Control Operations and Maintenance Management Staff.		
b. Right-of Way					
c. Construction/Service Fees	2018	\$ 2,097,643			
d. Contingency		\$ 105,000			
e. Technology		\$ -			
f. Financing Costs (Temp Notes)		\$ 33,040			
g. Cost of Issuance (Rev/GO Bonds)		\$ 44,053			
h. Debt Reserve Fund (Rev Bonds)		\$ 220,264			
i. Capitalized Interest		\$ -			
Project Total		\$ 2,500,000			
Estimated Life of Item (years):	<u>TBD</u>				
Source of Estimate/Year:	<u></u>				

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	2,500,000					\$2,500,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$2,500,000	\$0	\$0	\$0	\$0	\$2,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Eastside Interceptor-Relief-Combined Sewer Overflow#3 to Ash Street Pump Station</u>	2. Project #:	<u>T-291050.00</u>
3. Dept/Div:	<u>Public Works / UAM - Wastewater</u>	4. Project Year(s):	<u>2018-2019</u>
5. Type:	<u>New</u>	6. Project Location	<u>Along River Rd, Hills-Ash Street PS</u>
7. Contact Name:	<u>Sylvia Davis</u>	8. Contact Phone:	<u>368-4239</u>

9. Project Description: This project is for the design of a new parallel interceptor relief sewer between combined sewer overflow (CSO) #3 and the Ash Street Pump Station. This project would include environmental assessment, survey, land acquisition, permitting, design and construction. The cost estimate shown here is an estimate. Better cost estimates will be available after completion of the Oakland Basin CSO Reduction Phase I project. The project is intended to reduce and or eliminate CSO and sanitary sewer overflow activities and to stay within the Rehabilitation and CSO initiative as approved by state and federal regulations.

10. Previous Funding:	\$ -	Total Funding:	\$ 8,348,760.00	Future Funding:	\$ -
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	2018	\$ 600,000	Cost estimates are based on consultants study provided in 2011.	
b. Right-of Way		\$ -		
c. Construction/Service Fees	2018-2019	\$ 6,455,736		
d. Contingency		\$ 300,000		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 110,336		
g. Cost of Issuance (Rev/GO Bonds)		\$ 147,115		
h. Debt Reserve Fund (Rev Bonds)		\$ 735,574		
i. Capitalized Interest		\$ -		
	Project Total	\$ 8,348,760		
Estimated Life of Item (years):	<u>25-50</u>			
Source of Estimate/Year:	<u>PEC/2012</u>			

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	900,000					\$900,000
2019	7,448,760					\$7,448,760
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$8,348,760	\$0	\$0	\$0	\$0	\$8,348,760



City of Topeka

Capital Improvement Project Summary

1. Project Title: Grant/Jefferson Pump Station Rehabilitation 2. Project #: T-291061.00
 3. Dept/Div: Public Works / UAM - Wastewater 4. Project Year(s): 2018-2019
 5. Type: Repair/Replace 6. Project Location Grant Street and Jefferson Street
 7. Contact Name: Sylvia Davis 8. Contact Phone: 368-4239

9. Project Description: Rehabilitation of the Grant/Jefferson Pump Station will include, but is not limited to, the planning, design and construction required to replace the wet well, pumps, bar screen, controls and electrical service for the Grant/Jefferson Pump Station, as necessary. Data compiled from flow monitoring and flow studies of the North Topeka Sanitary Sewers that flow to the Grant/Jefferson Pump Station demonstrated the need for improvements to ensure continued service. This project is consistent with the reliability improvements contract of 1994 that reviewed Water Pollution Control (WPC) existing pump stations to determine necessary improvements to ensure continued service. This will allow WPC to provide more reliable service to our customers within this drainage area. Meaning less chance of a failure of the pump station and backing up sewage into customers private lines and basements. It meets one of the Land Use and Growth Management Plan goals by planning for greater efficiencies and better utilization of existing infrastructure.

10. Previous Funding: \$ - Total Funding: \$ 10,321,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating	
	Year	Amount		\$1,500
a. Design/Administrative Fees	2018	\$ 1,321,000	Basis for Cost Estimate and Funding Source: Annual Operating Cost Estimate based on researched approximation provided by Water Pollution Control Operations and Maintenance Management Staff.	
b. Right-of Way				
c. Construction/Service Fees	2019	\$ 7,772,392		
d. Contingency				
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 136,401		
g. Cost of Issuance (Rev/GO Bonds)		\$ 181,868		
h. Debt Reserve Fund (Rev Bonds)		\$ 909,339		
i. Capitalized Interest		\$ -		
Project Total		\$ 10,321,000		
Estimated Life of Item (years):	TBD			
Source of Estimate/Year:				

13. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	1,321,000					\$1,321,000
2019	9,000,000					\$9,000,000
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$10,321,000		\$0	\$0	\$0	\$10,321,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	Oakland Wastewater Treatment Plant Ultraviolet Expansion	2. Project #:	T-291062.00
3. Dept/Div:	Public Works / UAM - Wastewater	4. Project Year(s):	2019
5. Type:	New	6. Project Location	1115 NE Poplar
7. Contact Name:	Sylvia Davis	8. Contact Phone:	368-4239

9. Project Description: This project includes but not limited to the installation of an additional ultraviolet (UV) system to provide the required disinfection of peak wet weather flow prior to discharge into the Kansas River. This project will also include all necessary modifications to the existing wet weather conveyance structure to accommodate upgrades including geometrical, electrical and instrumentation in the currently available UV equipment. This project is a regulatory requirement to meet upcoming changes in required permit mandates.

10. Previous Funding:	\$ -	Total Funding:	\$ 2,703,750.00	Future Funding:	\$ -
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2019	\$ 300,000	Cost estimates are based on 2011 consultant study and Water Pollution Control operations estimates.	
b. Right-of Way		\$ -		
c. Construction/Service Fees	2019	\$ 1,932,159		
d. Contingency		\$ 150,000		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 35,732		
g. Cost of Issuance (Rev/GO Bonds)		\$ 47,643		
h. Debt Reserve Fund (Rev Bonds)		\$ 238,216		
i. Capitalized Interest		\$ -		
Project Total		\$ 2,703,750		
Estimated Life of Item (years):	50 - 100 Yrs.			
Source of Estimate/Year:	PEC Engrs - 2011			

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019	2,703,750					\$2,703,750
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$2,703,750	\$0	\$0	\$0	\$0	\$2,703,750



City of Topeka

Capital Improvement Project Summary

1. Project Title: North Topeka Waste Water Treatment Plant Nutrient Removal 2. Project #: T-291052.00
 3. Dept/Div: Public Works / UAM - Wastewater 4. Project Year(s): 2020
 5. Type: Repair/Replace 6. Project Location 1600 N Button Rd.
 7. Contact Name: Sylvia Davis 8. Contact Phone: 368-4239

9. Project Description: Rehabilitate and update sewage treatment plant equipment including required nutrient removal upgrade options. The North Topeka Plant has been on line for close to 20 years and is starting to deteriorate. Some of the processes that the North Topeka Plant performs are becoming obsolete and will need to be updated along with the Plant rehabilitation. The current capabilities of the treatment plant do not meet the new, more stringent, State and Federal regulatory requirements.

10. Previous Funding: \$ - Total Funding: \$ 6,363,627.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2020	\$ 600,000
b. Right-of Way		
c. Construction/Service Fees	2020	\$ 4,581,720
d. Contingency		\$ 425,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 84,101
g. Cost of Issuance (Rev/GO Bonds)		\$ 112,134
h. Debt Reserve Fund (Rev Bonds)		\$ 560,672
i. Capitalized Interest		\$ -
Project Total		\$ 6,363,627
Estimated Life of Item (years):	<u>25-50</u>	
Source of Estimate/Year:	<u>WPC/2005</u>	

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Costs estimates are based on operation and maintenance estimates from 2005.

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	6,363,627					\$6,363,627
2021						\$0
2022						\$0
5 Year Total:	\$6,363,627		\$0	\$0	\$0	\$0 \$6,363,627



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Oakland Wastewater Treatment Plant Solids Handling/Facility Upgrades Phase II</u>	2. Project #:	<u>T-291018.02</u>
3. Dept/Div:	<u>Public Works / UAM - Wastewater</u>	4. Project Year(s):	<u>2016-2018</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location	<u>1115 NE Poplar</u>
7. Contact Name:	<u>Sylvia Davis</u>	8. Contact Phone:	<u>368-4239</u>

9. Project Description: This project will include final design and rehabilitation of the Oakland Wastewater Treatment Plant Solids Processing Facility, including replacement and/or installation of all applicable appurtenant equipment, mechanical and electrical controls necessary to improve the process of removing and drying solid matter, in the treatment of wastewater, so that it can be more easily disposed of. Currently this process involves the cost of shipping the dried solids to a land fill. Newer technologies will improve this process and lower operating costs. Additionally, an improved system would permit re-use of the methane produced, as an alternative to natural gas, at the Oakland Wastewater Treatment Plant. The current solids processing facility and equipment are between the ages of 30-60 years. An assessment of the facility was performed by an engineering consulting firm as part of the Oakland Wastewater Treatment Plant Facility and Equipment plan. This assessment shows that the facility and equipment are in poor condition, due to years of service and chemical build-up in the operating environment, and have reached their useful life. Structural problems have also been noted in the dewatering area. A more in-depth structural assessment is planned in Phase I of this project to identify the necessary structural repairs/upgrades needed to accommodate the new equipment and processes that would allow for more efficient and environmentally sound methods of drying the solid matter and turning it into a reusable fuel source.

10. Previous Funding:	\$ 9,523,274.00	Total Funding:	\$10,500,000.00	Future Funding:	\$ -
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11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2018	\$ 500,000
b. Right-of Way		
c. Construction/Service Fees	2018	\$ 8,751,101
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 138,767
g. Cost of Issuance (Rev/GO Bonds)		\$ 185,022
h. Debt Reserve Fund (Rev Bonds)		\$ 925,110
i. Capitalized Interest		\$ -
Project Total		\$ 10,500,000
Estimated Life of Item (years):	<u>40-80</u>	
Source of Estimate/Year:	<u>WPC/2015</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Project estimates are based on the best estimates at the time this project was submitted. More accurate information will be provided from data in the Phase I effort.

13. Amount by source of financing						
	<u>1. Revenue Bonds</u>	<u>2.</u>	<u>3.</u>	<u>4.</u>	<u>5.</u>	<u>TOTAL</u>
2018	10,500,000					\$10,500,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$10,500,000	\$0	\$0	\$0	\$0	\$10,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	Oakland Wastewater Treatment Plant Headworks Generator	2. Project #:	T-291040.00
3. Dept/Div:	Public Works / UAM - Wastewater	4. Project Year(s):	2021
5. Type:	New	6. Project Location	1115 NE Poplar St.
7. Contact Name:	Sylvia Davis	8. Contact Phone:	368-4239

9. Project Description: This project includes design and installation of a self-contained emergency backup power system for the preliminary treatment process at the Oakland Wastewater Treatment Plant (WWTP). The backup power system includes, but is not limited to, a power generator, automatic transfer switch, fuel storage and power system status to the treatment plant's SCADA system. Power failures to the preliminary treatment, in excess of 15 minutes, result in the clogging of the mechanical bar screens with debris which can cause an overflow of untreated wastewater at the Oakland WWTP and possibly the surrounding neighborhood area. This project would provide a redundancy power source at the treatment plant that would eliminate the possibility of this experience in the event of a power outage. This initiative is a regulatory requirement by the Kansas Department of Health and Environment (KDHE) and the Environmental Protection Agency for the prevention of Sanitary Sewer Overflow (SSO) activity. SSOs must be reported to KDHE immediately following an occurrence.

10. Previous Funding: \$	-	Total Funding: \$	850,000.00	Future Funding: \$	-
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cos		\$1,500
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>		
a. Design/Administrative Fees	2021	\$ 85,000	Annual Operating Cost Estimate based on researched approximation provided by Water Pollution Control Operations and Maintenance Management Staff.		
b. Right-of Way		\$ -			
c. Construction/Service Fees	2021	\$ 633,899			
d. Contingency		\$ 30,000			
e. Technology		\$ -			
f. Financing Costs (Temp Notes)		\$ 11,233			
g. Cost of Issuance (Rev/GO Bonds)		\$ 14,978			
h. Debt Reserve Fund (Rev Bonds)		\$ 74,890			
i. Capitalized Interest		\$ -			
	Project Total	\$ 850,000			
Estimated Life of Item (years):	<u>20-30</u>				
Source of Estimate/Year:	<u>WPC/2010</u>				

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021	850,000					\$850,000
2022						\$0
5 Year Total:	\$850,000	\$0	\$0	\$0	\$0	\$850,000



Stormwater Projects



City of Topeka

Capital Improvement Project Summary

1. Project Title:	Annual Storm Conveyance System Rehabilitation Program	2. Project #:	T-501035.00
3. Dept/Div:	WPC / Stormwater Utility	4. Project Year(s):	2018-2022
5. Type:	Repair/Replace	6. Project Location:	Citywide
7. Contact Name:	Stephen Miller	8. Contact Phone:	368-1640

9. Project Description: This is an on-going, systematic program to rehabilitate or replace existing storm water conveyance system assets (inlets, pipes, channels, etc.) to ensure continued operation, reduce maintenance and support other infrastructure improvements. Nearly all the assets targeted by this program are anticipated to be in the range of 50-100 years old unless damage by outside forces has led to a reduced life-span. The general exception to this rule regards metal piping which often has a lesser life-span. This program is designed solely to maintain the existing storm water conveyance system at a steady, citywide level of service. In isolated cases smaller improvements may be made in order to meet current-day standards or to address a localized problem not worthy of a capital project. Anticipate about \$2M annually used directly in support of Citywide Half Cent sales tax roadway projects. Remaining funds to be utilized as needs/projects are developed. Rehabilitation or replacement of these assets is necessary to ensure protection of life and property throughout the City. Rehabilitation through innovative methods such as plastic or cement pipe lining will be pursued when possible and financially beneficial.

10. Previous Funding:	Up to \$2,500,000	Annual	Total Funding:	\$ 12,500,000.00	Future Funding:	\$22,800,000.00
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	Annual	\$ 250,000	Program is for the repair and replacement of existing assets so no new operating and maintenance costs are anticipated. Stormwater Utility Enterprise Fund	
b. Right-of Way		\$ -		
c. Construction/Service Fees	Annual	\$ 1,952,643		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 33,040		
g. Cost of Issuance (Rev/GO Bonds)		\$ 44,053		
h. Debt Reserve Fund (Rev Bonds)		\$ 220,264		
i. Capitalized Interest		\$ -		
Project Total		\$ 2,500,000		
Estimated Life of Item (years):	100			
Source of Estimate/Year:	staff 2016			

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	2,500,000					\$2,500,000
2019	2,500,000					\$2,500,000
2020	2,500,000					\$2,500,000
2021	2,500,000					\$2,500,000
2022	2,500,000					\$2,500,000
5 Year Total:	\$12,500,000	\$0	\$0	\$0	\$0	\$12,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Annual Stormwater Operations Equipment & Fleet Maintenance & Replacement Program</u>	2. Project #:	<u>T-501038.00</u>
3. Dept/Div:	<u>WPC / Stormwater Utility</u>	4. Project Year(s):	<u>2018-2022</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location	<u>Citywide</u>
7. Contact Name:	<u>Sylvia Davis</u>	8. Contact Phone:	<u>368-1640</u>

9. Project Description: The purpose of this program is to establish a capital equipment plan for the repair and replacement of City stormwater equipment and vehicles. This program will limit unexpected large capital expenditures and control the overall cost of operating and maintaining this equipment. This program also ensures that equipment does not become outdated and is maintained in a manner that extends the useful life of these assets and reduces maintenance costs through improved equipment reliability.

10. Previous Funding: \$300,000 Annual Total Funding: \$ 1,500,000.00 Future Funding: \$ 300,000.00 Annual

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees		\$ -	This is an annual operating and maintenance program. Estimated operating cost is the total cost for this program.	
b. Right-of Way		\$ -		
c. Construction/Service Fees	Annual	\$ 300,000		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)				
g. Cost of Issuance (Rev/GO Bonds)				
h. Debt Reserve Fund (Rev Bonds)				
i. Capitalized Interest		\$ -		
Project Total		\$ 300,000		
Estimated Life of Item (years):	<u>N/A</u>			
Source of Estimate/Year:	<u>WPC/2014</u>			

13. Amount by source of financing

	1. SW Ops Fund	2.	3.	4.	5.	TOTAL
2018	300,000					\$300,000
2019	300,000					\$300,000
2020	300,000					\$300,000
2021	300,000					\$300,000
2022	300,000					\$300,000
5 Year Total:	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Annual Drainage Correction Program 2. Project #: T-151031.00
 3. Dept/Div: WPC / Stormwater Utility 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Stephen Miller 8. Contact Phone: 368-1640

9. Project Description: This is an on-going program to create solutions for small-scale existing drainage problems. This program, established by Council Resolution No. 6833 in 1999, funds 3-4 stormwater improvement projects per year where drainage problems affect at least three private properties or where defects or obstructions hinder function of an existing facility within the right-of-way or dedicated easement. Individual project budgets are limited to \$100,000.

10. Previous Funding: \$300,000 Annual Total Funding: \$ 1,500,000.00 Future Funding: \$ 300,000.00 Annual

11. Project Schedule and Estimate			12. Estimated Annual Operating Cc \$2,000	
	Year	Amount	Basis for Cost Estimate and Funding Source: Costs based on amount of assets a typical project will create and use established maintenance costs for similar existing assets. Stormwater Utility Enterprise Fund	
a. Design/Administrative Fees	Annual	\$ 50,000		
b. Right-of Way		\$ -		
c. Construction/Service Fees	Annual	\$ 250,000		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)				
g. Cost of Issuance (Rev/GO Bonds)				
h. Debt Reserve Fund (Rev Bonds)				
i. Capitalized Interest		\$ -		
Project Total		\$ 300,000		
Estimated Life of Item (years):	<u>100</u>			
Source of Estimate/Year:	<u>staff 2016</u>			

13. Amount by source of financing

	1. SW Ops Fund	2.	3.	4.	5.	TOTAL
2018	300,000					\$300,000
2019	300,000					\$300,000
2020	300,000					\$300,000
2021	300,000					\$300,000
2022	300,000					\$300,000
5 Year Total:	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Annual Levee Asset Repair & Rehabilitation Program 2. Project #: T-161003.00
3. Dept/Div: WPC / Stormwater Utility 4. Project Year(s): 2018-2022
5. Type: Repair/Replace 6. Project Location Throughout the Levee System
7. Contact Name: Kelly Ryan 8. Contact Phone: 368-3980

9. Project Description: This program is designed for the regular replacement or major rehabilitation of stormwater pump stations or other critical non-routine maintenance repairs; e.g. relief well replacement. Stormwater pump stations are high-volume, emergency facilities. Of the 11 owned by the City, 10 of them are located on, and integral to, proper function of the Kansas River levee system while the other one serves an isolated subdivision with no other means of drainage. Funds may be reserved for several years before undertaking a major project. The goal is to proactively rehabilitate and replace these facilities.

10. Previous Funding: \$ 200,000.00 Total Funding: \$200,000 Annual Future Funding: \$200,000.00 Annual

11. Project Schedule and Estimate	
	<u>Year</u> <u>Amount</u>
a. Design/Administrative Fees	\$ -
b. Right-of Way	\$ -
c. Construction/Service Fees	Annual \$ 200,000
d. Contingency	\$ -
e. Technology	\$ -
f. Financing Costs (Temp Notes)	
g. Cost of Issuance (Rev/GO Bonds)	
h. Debt Reserve Fund (Rev Bonds)	
i. Capitalized Interest	\$ -
Project Total	\$ 200,000
Estimated Life of Item (years):	<u>Annual Program</u>
Source of Estimate/Year:	<u>WPC ---2015</u>

12. Estimated Annual Operating Cost

Basis for Cost Estimate and Funding Source:
Annual estimated operating cost will be included in operating budget.

13. Amount by source of financing						
	1. SW Ops Fund	2.	3.	4.	5.	TOTAL
2018	200,000					\$200,000
2019	200,000					\$200,000
2020	200,000					\$200,000
2021	200,000					\$200,000
2022	200,000					\$200,000
5 Year Total:	\$1,000,000		\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$1,000,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Annual Best Management Practices Development & Construction Program</u>	2. Project #:	<u>T-501042.00</u>
3. Dept/Div:	<u>WPC / Stormwater Utility</u>	4. Project Year(s):	<u>2018-2022</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location:	<u>Citywide</u>
7. Contact Name:	<u>Stephen Miller</u>	8. Contact Phone:	<u>368-1640</u>

9. Project Description: This on-going program is for the purpose of developing and implementing stormwater Best Management Practices (BMP) throughout the city. Development and implementation of BMP is in conformance with the requirements of Federal Permit No. KS0093327 (KS Permit No. M-KS72-So01), National Pollutant Discharge Elimination System (NPDES), Municipal Separate Storm Sewer System (MS4) permit. Said BMP may consist of construction of physical systems (e.g. rain gardens or baffle boxes) or be programmatic (e.g. education programs or facilities). Land acquisition for BMP facilities may be included.

10. Previous \$ 100,000.00 Total Funding: \$ 1,100,000.00 Future Funding: \$ 250,000.00 Annual

11. Project Schedule and Estimate			12. Estimated Annual Operating Co \$5,000	
	<u>Year</u>	<u>Amount</u>	Basis for Cost Estimate and Funding Source: Costs are highly variable based on nature of the facility. This is a considered a mid-level estimate. Stormwater Utility Enterprise Fund	
a. Design/Administrative Fees	2018-2022	\$ 90,000		
b. Right-of Way				
c. Construction/Service Fees	2018-2022	\$ 1,000,000		
d. Contingency		\$ 10,000		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)				
g. Cost of Issuance (Rev/GO Bonds)				
h. Debt Reserve Fund (Rev Bonds)				
i. Capitalized Interest		\$ -		
Project Total		\$ 1,100,000		
Estimated Life of Item (years):		<u>25-50 years</u>		
Source of Estimate/Year:		<u>staff (SJM) 2016</u>		

13. Amount by source of financing

	1. SW Ops Fund	2.	3.	4.	5.	TOTAL
2018	100,000					\$100,000
2019	250,000					\$250,000
2020	250,000					\$250,000
2021	250,000					\$250,000
2022	250,000					\$250,000
5 Year Total:	\$1,100,000		\$0	\$0	\$0	\$0 \$1,100,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Kansas River Levee System Rehabilitation - Phase II 2. Project #: T-831000.01
 3. Dept/Div: WPC / Stormwater Utility 4. Project Year(s): 2016-2018
 5. Type: Repair/Replace 6. Project Location Throughout the Levee system
 7. Contact Name: Kelly Ryan 8. Contact Phone: 368-3980

9. Project Description: This project includes rehabilitation efforts for four levee units within the City as required by the United States Army Corps of Engineers (USACE) 2009 Kansas Flood Damage Reduction Feasibility Study. This study and subsequent design analysis indicates that the levee system does not provide the authorized level of flood protection to the city and recommends the following improvements: installation of an earth stability berm on the landside of the floodwall and removal of stop log gap at the Waterworks Levee Unit; fortification of 1900 feet of existing floodwall and installation of 1800 feet of earth stability berm at the South Topeka Levee Unit, the installation of an earth berm and rock anchors at the Oakland Levee Unit; and installation of an earth berm and 30 relief wells for under seepage on the North Topeka Levee Unit. The project is cost shared with the Federal Government, with the City to provide a minimum of \$10,600,000 (35%) of the estimated \$29,500,000 total project costs. Construction began in 2015 and will continue through 2020. Amount required in SW Ops Funds in 2018 is \$2,700,000 which will be the final year that the City needs to fully fund their portion of the project.

10. Previous Funding: \$ 21,800,000.00 Total Funding: \$29,500,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees		\$ -	2009 USACE Feasibility Study; 2015 Oakland Unit construction contract amount; 2016 North Topeka Unit construction contract amount; ongoing USACE design of remaining work. Estimated Annual Operating Cost: included in operating budget.	
b. Right-of Way		\$ -		
c. Construction/Service Fees	2018-2020	\$ 7,700,000		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)				
g. Cost of Issuance (Rev/GO Bonds)				
h. Debt Reserve Fund (Rev Bonds)				
i. Capitalized Interest		\$ -		
Project Total		\$ 7,700,000		
Estimated Life of Item (years):	<u>25-50</u>			
Source of Estimate/Year:	<u>USACE/2009</u>			

13. Amount by source of financing

	1. SW Ops Fund	2. Federal Funds	3.	4.	5.	TOTAL
2018	2,700,000	5,000,000				\$7,700,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$2,700,000	\$5,000,000		\$0	\$0	\$7,700,000



Water Projects



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Annual Water Main Replacement Program</u>	2. Project #:	<u>T-281095.00</u>
3. Dept/Div:	<u>Public Works / UAM - Water</u>	4. Project Year(s):	<u>2018-2022</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location	<u>Citywide</u>
7. Contact Name:	<u>Paul Bodner</u>	8. Contact Phone:	<u>368-2448</u>

9. Project Description: The Water Main Replacement Program focuses on restoring mains located in areas with extensive break and repair histories. In recent years, water main breaks have become more prevalent due to the aging infrastructure. Based on historic studies and experience in the United States, the average useful life for water mains ranges between 75-100 years, depending upon local (soil & environmental) conditions. Beyond this period, failure is imminent. Topeka's water distribution system consists of nearly 861 miles of transmission and neighborhood distribution water mains ranging in size from 2 to 48 inches in diameter. Assuming the optimal asset life span of 100 years, an annual replacement program approaching eight plus (8.0 +) miles per year is required to mitigate continued progressive water main break rates. Replacement program efforts will also focus on needed replacements associated with half cent sales tax and other priority street improvement projects to be implemented by the City Engineering Division. This comprehensive replacement program has been implemented to reduce the destructive and costly impact of water main breaks and aging water main infrastructure on Topeka neighborhoods, local businesses and future developments. The continuation of this program reduces the likelihood of higher failure rates, and increasing operations and maintenance costs associated with aging water mains.

10. Previous Funding:	<u>Up To \$3,000,000 Annual</u>	Total Funding:	<u>\$ 40,000,000.00</u>	Future Funding:	<u>\$ 19,500,000.00</u>
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cos		\$753
	<u>Year</u>	<u>Amount</u>	Basis for Cost Estimate and Funding Source: Estimated Annual Operating Cost increase breakdown funded by annual operating budgets:		
a. Design/Administrative Fees	2018-2022	\$ 1,750,000	2016 - 3,844 ft. @ \$0.14 = \$538		
b. Right-of Way		\$ 500,000	2017 - 4613 ft. @ \$0.14 = \$646		
c. Construction/Service Fees	2018-2022	\$ 11,500,000	2018 - 5381 ft. @ \$0.14 = \$753		
d. Contingency		\$ 1,668,502	2019 - 6150 ft. @ \$0.14 = \$861		
e. Technology		\$ -	2020 - 6919 ft. @ \$0.14 = \$969		
f. Financing Costs (Temp Notes)		\$ 231,278	5 Year CIP Annual Average = \$753		
g. Cost of Issuance (Rev/GO Bonds)		\$ 308,370			
h. Debt Reserve Fund (Rev Bonds)		\$ 1,541,850			
i. Capitalized Interest		\$ -			
Project Total		\$ 17,500,000			
Estimated Life of Item (years):	<u>75 -100</u>				
Source of Estimate/Year:	<u>Water/2013</u>				

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	3,000,000					\$3,000,000
2019	3,000,000					\$3,000,000
2020	3,000,000					\$3,000,000
2021	4,500,000					\$4,500,000
2022	4,000,000					\$4,000,000
5 Year Total:	\$17,500,000			\$0	\$0	\$17,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Annual Water Treatment Plant Rehabilitation Program 2. Project #: T-281113.00
 3. Dept/Div: Public Works / UAM - Water 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location WT Plant;3245 NW Waterworks Dr.
 7. Contact Name: Paul Bodner 8. Contact Phone: 368-2448

9. Project Description: This project comprises repair and/or replacement of aged and failing structures and equipment that are critical in the overall operation of the water treatment process and includes rehabilitation of six filters, correcting deficiencies in motor control centers and electrical equipment, correcting deficiencies in mechanical equipment, repairing concrete deterioration, repairing leaky roofs at the Water Treatment Plant buildings, replacement of inoperative valves on high-lift pumping and other water facility rehabilitation and repair. Project efforts will reduce maintenance procedures and costs and prolong the useful life of existing Water Treatment Plant facilities in order to continue to meet state and federal regulations for safe drinking water and ensure the City's ability to provide an adequate and reliable supply for city residents, commercial and private developments, and committed wholesale customers.

10. Previous Funding: \$ 2,100,000.00 Total Funding: \$ 5,000,000.00 Future Funding: \$ 1,000,000.00 Annual

11. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ 80,000
b. Right-of Way		\$ -
c. Construction/Service Fees	Annual	\$ 750,000
d. Contingency	Annual	\$ 51,057
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 13,216
g. Cost of Issuance (Rev/GO Bonds)		\$ 17,621
h. Debt Reserve Fund (Rev Bonds)		\$ 88,106
i. Capitalized Interest		\$ -
Project Total		\$ 1,000,000

Estimated Life of Item (years): 20 - 40
 Source of Estimate/Year: Water/2013

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Proposed rehabilitation will replace outdated and inefficient electrical, mechanical, and chemical handling equipment, and will not have an impact on annual operating costs.

13. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	1,000,000					\$1,000,000
2019	1,000,000					\$1,000,000
2020	1,000,000					\$1,000,000
2021	1,000,000					\$1,000,000
2022	1,000,000					\$1,000,000
5 Year Total:	\$5,000,000	\$0	\$0	\$0	\$0	\$5,000,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Annual Water Plant Operations Equipment & Fleet Maintenance & Replacement Program 2. Project #: T-281124.00
 3. Dept/Div: Public Works / UAM - Wastewater 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Bob Sample 8. Contact Phone: 368-4233

9. Project Description: The purpose of this program is to establish a capital equipment plan for the repair and replacement of City Water Plant equipment and vehicles. This program will limit unexpected large capital expenditures and control the overall cost of operating and maintaining this equipment. This program also ensures that equipment does not become outdated and is maintained in a manner that extends the useful life of these assets and reduces maintenance costs through improved equipment reliability and productivity. This program will minimize annual operating cost increases associated with fleet and plan equipment assets.

10. Previous Funding: \$300,000 Annual Total Funding: \$ 2,000,000.00 Future Funding: \$ 400,000.00 Annual

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees	Annual	\$ 400,000
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)		
g. Cost of Issuance (Rev/GO Bonds)		
h. Debt Reserve Fund (Rev Bonds)		
i. Capitalized Interest		\$ -
Project Total		\$ 400,000
Estimated Life of Item (years):	<u>N/A</u>	
Source of Estimate/Year:	<u>O&M 2014</u>	

12. Estimated Annual Operating Cos \$400,000
 Basis for Cost Estimate and Funding Source: This is an annual operating and maintenance program. Estimated operating cost is the total cost for this program.

13. Amount by source of financing						
	1. W Ops Fund	2.	3.	4.	5.	TOTAL
2018	400,000					\$400,000
2019	400,000					\$400,000
2020	400,000					\$400,000
2021	400,000					\$400,000
2022	400,000					\$400,000
5 Year Total:	\$2,000,000		\$0	\$0	\$0	\$2,000,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: 18" on SW Indian Hills - SW 29th to SW 21st 2. Project #: T-281090.00
 3. Dept/Div: Public Works / UAM - Water 4. Project Year(s): 2017-2018
 5. Type: New 6. Project Location Indian Hills Rd, SW 29th to 21st St
 7. Contact Name: Paul Bodner 8. Contact Phone: 368-2448

9. Project Description: This project consists of installing 5300-ft of 18-inch main to reinforce the water transmission capacity in the West Pressure Zone (generally west of SW Wanamaker Road south of the Kansas River to SW 45th Street) area for domestic and fire flows to support existing and continued growth and development in the westerly portion of Topeka. This project is part of an overall plan to assure the capability of the transmission and distribution system to meet both existing and future peak day and fire protection requirements in this portion of the city water service area. This main will improve the reliability of the supply to portions of west Topeka and is part of the improvements needed to provide connectivity between within the West Pressure Zone water storage tanks and booster pump stations for reliability of supply. This project was identified as part of the Water Distribution System Master Plan prepared in February 2002.

10. Previous Funding: \$ 539,100.00 Total Funding: \$ 1,827,350.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees	2018	\$ 916,022
d. Contingency		\$ 219,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 17,025
g. Cost of Issuance (Rev/GO Bonds)		\$ 22,700
h. Debt Reserve Fund (Rev Bonds)		\$ 113,502
i. Capitalized Interest		\$ -
Project Total		\$ 1,288,250
Estimated Life of Item (years):	<u>75 -100</u>	
Source of Estimate/Year:	<u>Water/2013</u>	

12. Estimated Annual Operating Cost \$742
 Basis for Cost Estimate and Funding Source: Annual estimated operating cost will be included in operating budget.

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	1,288,250					\$1,288,250
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$1,288,250		\$0	\$0	\$0	\$0 \$1,288,250



City of Topeka

Capital Improvement Project Summary

1. Project Title: Utility Billing and Customer Service System 2. Project #: T-801013.00
 3. Dept/Div: Water Customer Service 4. Project Year(s): 2017-2018
 5. Type: New 6. Project Location Various
 7. Contact Name: Sherry Schoonover 8. Contact Phone: 785-368-2578

9. Project Description:
 This project is for a Customer Information System (CIS) to replace the current AS400 Utility Billing system. The primary goals driving this change include:
 1. Replace an aging Utility Billing application architecture and technology which is becoming more and more difficult to operate, maintain, and enhance.
 2. Implement a CIS with emphasis on the Customer rather than a billing system with emphasis on the premise.
 3. Accommodate future products, programs, and services which the City wants to offer its customers.
 4. Streamline and align manual and automated business processes to facilitate more efficient business operations.
 5. Support integration between the City's automated systems to provide for a single system of record for customer data and information and eliminate redundancy across systems.

10. Previous Funding: \$ 500,000.00 Total Funding: \$ 1,150,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees		\$ -	Annual SAAS pricing, approximately \$150,000	
b. Right-of Way		\$ -		
c. Construction/Service Fees		\$ 900,000		
d. Contingency		\$ 100,000		
e. Technology		\$ 150,000		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ -		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 1,150,000		
Estimated Life of Item (years): <u>8</u>				
Source of Estimate/Year: <u>2016</u>				

13. Amount by source of financing

	1. Utilities - Water	2.	3.	4.	5.	TOTAL
2018	650,000					\$650,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$650,000	\$0	\$0	\$0	\$0	\$650,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: East High Service Pumping Motor Control and Electrical Switch Gear 2. Project #: T-281107.00

3. Dept/Div: Public Works / UAM - Water 4. Project Year(s): 2018

5. Type: New 6. Project Location WT Plant;3245 NW Waterworks Dr

7. Contact Name: Paul Bodner 8. Contact Phone: 368-2448

9. Project Description: The East High Service Station was constructed in 1968 and is the peak day and back-up pump station that supplies water from Water Treatment Plant to the entire City of Topeka. It is critically important that these pumps, flow meters, valves and electrical controls-switchgear operate during normal operation and any emergency condition such as a break in one of the major water transmission mains at the Water Treatment Plant that convey water to the City mains. The pump station is critical for the process of reliable supply to customers for fire and domestic needs especially during Layne Station equipment failure or being out of service for maintenance.

10. Previous Funding: \$ - Total Funding: \$ 2,689,950.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost
	Year	Amount	
a. Design/Administrative Fees	2018	\$ 230,000	Basis for Cost Estimate and Funding Source: Project is for the repair and replacement of existing assets so no new or additional operating and maintenance costs are anticipated. This project may provide a net reduction in operating costs by reducing the maintenance needs of the existing deteriorated assets.
b. Right-of Way			
c. Construction/Service Fees	2018	\$ 1,940,000	
d. Contingency		\$ 200,000	
e. Technology		\$ -	
f. Financing Costs (Temp Notes)		\$ 35,550	
g. Cost of Issuance (Rev/GO Bonds)		\$ 47,400	
h. Debt Reserve Fund (Rev Bonds)		\$ 237,000	
i. Capitalized Interest		\$ -	
Project Total		\$ 2,689,950	
Estimated Life of Item (years):	<u>75 -100</u>		
Source of Estimate/Year:	<u>Water/2013</u>		

13. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	2,689,950					\$2,689,950
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$2,689,950		\$0	\$0	\$0	\$2,689,950



City of Topeka

Capital Improvement Project Summary

1. Project Title: 2.0-MG West Elevated Tank - Indian Hills Road (13) 2. Project #: T-281055.00
 3. Dept/Div: Public Works / UAM - Water 4. Project Year(s): 2018
 5. Type: Repair/Replace 6. Project Location Indian Hills between 29th and 33rd
 7. Contact Name: Paul Bodner 8. Contact Phone: 368-2448

9. Project Description: This project involves land acquisition and construction of a 2.0 M gallon elevated water storage located on Indian Hills between 29th and 33rd St. This elevated water storage tank is needed to replace the existing 750k gallon elevated tank located at Indian Hills and 17th St. The existing elevated tank is inadequate for current and future fire and domestic water storage needs within this pressure zone. This tank is also part of the phased improvement needed to allow for creation of the new East and new South Pressure Zones out of the existing Southeast and West Zones. This project was identified as part of the Water Distribution System Master Plan (February 2002). This plan was established to assess deficiencies and system capacity needs for transmission mains and system storage requirements based on the then current master plan for the City of Topeka for growth and land use. The report concludes that additional storage is needed to maintain domestic service and fire flows and to provide operational equalization for pumps and booster stations. Additional storage will also assist in reducing broken mains in this area.

10. Previous Funding: \$ - Total Funding: \$ 4,744,300.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount		\$1,500
a. Design/Administrative Fees	2018	\$ 237,500	Basis for Cost Estimate and Funding Source: 2013 costs for electrical, routine weekly inspections paid in annual operating and maintenance budget. This replacement project will not increase annual operating cost.	
b. Right-of Way		\$ 150,000		
c. Construction/Service Fees	2018	\$ 3,630,000		
d. Contingency		\$ 162,500		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 62,700		
g. Cost of Issuance (Rev/GO Bonds)		\$ 83,600		
h. Debt Reserve Fund (Rev Bonds)		\$ 418,000		
i. Capitalized Interest		\$ -		
Project Total		\$ 4,744,300		
Estimated Life of Item (years):		<u>50 to 100</u>		
Source of Estimate/Year:		<u>Bartlett & West/2003</u>		

13. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	4,744,300					\$4,744,300
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$4,744,300	\$0	\$0	\$0	\$0	\$4,744,300



City of Topeka

Capital Improvement Project Summary

1. Project Title:	Citywide Water Meter Replacement/ Advanced Metering Infrastructure Upgrade	2. Project #:	T-281141.00
3. Dept/Div:	Public Works / UAM - Water	4. Project Year(s):	2018
5. Type:	Repair/Replace	6. Project Location	Citywide
7. Contact Name:	Anthony White	8. Contact Phone:	368-3151

9. Project Description: This project will replace approximately 57,000 existing residential and commercial water meters throughout the City of Topeka with new Advanced Metering Infrastructure (AMI) units. Approximately 50 percent still have to be read on-site by a City of Topeka meter technician. An upgrade to AMI meters throughout the system will allow recording of real-time water usage data remotely. Replacement AMI meters will increase billing accuracy and operating efficiency; and improve customer service through real-time data availability. Over time the upgrade could reduce manpower and identify locations of unbilled water loss. Other cities that have upgraded found the return on investment to be approximately 7 years.

10. Previous Funding: \$ - Total Funding: \$ 12,485,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2018	\$ 1,000,000	Program is for the repair and replacement of existing assets so no new or additional operating and maintenance costs are anticipated. This project will provide a net reduction in operating costs by reducing the maintenance needs of the existing deteriorated assets.	
b. Right-of Way		\$ -		
c. Construction/Service Fees	2018	\$ 10,000,000		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 165,000		
g. Cost of Issuance (Rev/GO Bonds)		\$ 220,000		
h. Debt Reserve Fund (Rev Bonds)		\$ 1,100,000		
i. Capitalized Interest		\$ -		
Project Total		\$ 12,485,000		
Estimated Life of Item (years):	TBD			
Source of Estimate/Year:				

13. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018	12,485,000					\$12,485,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$12,485,000	\$0	\$0	\$0	\$0	\$12,485,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Soldier Township Transmission Improvements 2. Project #: T-281106.00
 3. Dept/Div: Public Works / UAM - Water 4. Project Year(s): 2021
 5. Type: New 6. Project Location Soldier Township
 7. Contact Name: Paul Bodner 8. Contact Phone: 368-2448

9. Project Description: The 2002 Water Distribution System Master Plan determined that this project among others will improve the delivery of potable water and fire protection throughout the city. Based on the growth in the Soldier Township area, water demands have exceeded the 2002 Master Plan improvement project. Additional piping is needed to support adequate water supply to the Pressure Zone.

10. Previous Funding: \$ - Total Funding: \$ 1,299,575.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	2021	\$ 150,000	Annual estimated operating cost will be included in operating budget for Water Distribution. Estimate of cost is based on results of a detailed Engineering Study and past bid prices.	
b. Right-of Way				
c. Construction/Service Fees	2021	\$ 795,000		
d. Contingency		\$ 200,000		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 17,175		
g. Cost of Issuance (Rev/GO Bonds)		\$ 22,900		
h. Debt Reserve Fund (Rev Bonds)		\$ 114,500		
i. Capitalized Interest		\$ -		
Project Total		\$ 1,299,575		
Estimated Life of Item (years):	<u>75 -100</u>			
Source of Estimate/Year:	<u>Water/2013</u>			

13. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021	1,299,575					\$1,299,575
2022						\$0
5 Year Total:	\$1,299,575	\$0	\$0	\$0	\$0	\$1,299,575



City of Topeka

Capital Improvement Project Summary

1. Project Title: Disinfection Modification Phase I 2. Project #: T-281037.02
 3. Dept/Div: Public Works / UAM - Water 4. Project Year(s): 2019
 5. Type: New 6. Project Location WT Plant;3245 NW Waterworks Dr
 7. Contact Name: Paul Bodner 8. Contact Phone: 368-2448

9. Project Description: Chlorine has been added to drinking water for over 100 years to kill potentially dangerous microorganisms and make water safe to drink. It has been discovered that by-products (referred to as TTHM's and HAAs) are created by the reaction between the chlorine and naturally occurring organic material in the water. The Environmental Protection Agency (EPA) has determined the possibility exists that some people who drink water containing high levels of TTHMs and HAAs over a lifetime may have increased risk of getting cancer. Because of this potential, EPA established two stages for implementation of regulations intended to reduce these levels. The Water Utility has been testing for HAAs for over 10 years, and with some inexpensive adjustments in the treatment processes have been able to maintain compliance. However, with the Stage II Regulations beginning April 1, 2012, the number of sample locations and calculation methods have changed such that we would have been in violation during those prior 10 years. As a result, a detailed study was made of alternative methods and costs to assure compliance with the new requirements. The study concluded that installation of additional Ozone Treatment was the least cost to own and operate over a 20 year comparison with other options. If the requirements for cryptosporidium should affect the city's water, additional treatment would be necessary.

10. Previous Funding: \$ - Total Funding: \$10,000,000.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2019	\$ 1,620,000
b. Right-of Way		\$ -
c. Construction/Service Fees	2019	\$ 6,640,573
d. Contingency		\$ 550,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 132,159
g. Cost of Issuance (Rev/GO Bonds)		\$ 176,211
h. Debt Reserve Fund (Rev Bonds)		\$ 881,057
i. Capitalized Interest		\$ -
Project Total		\$ 10,000,000
Estimated Life of Item (years):	<u>20 - 50</u>	
Source of Estimate/Year:	<u>Black & Veatch/2013</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Annual estimated operating cost will be included in operating budget for the Water Treatment Facility. Estimate of cost is based on results of a detailed Engineering Study.

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019	10,000,000					\$10,000,000
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$10,000,000		\$0	\$0	\$0	\$0 \$10,000,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: 18" on SW Fairlawn and SW 45th - SW 41st to SW Gage 2. Project #: T-281108.00

3. Dept/Div: Public Works / UAM - Water 4. Project Year(s): 2021

5. Type: New 6. Project Location Fairlawn & 45th-41st-Gage

7. Contact Name: Paul Bodner 8. Contact Phone: 368-2448

9. Project Description: The 2002 Water Distribution System Master Plan determined that this project among others will improve the delivery of potable water and fire protection throughout the city. A new 18" water main will be located on Fairlawn and 45th St and continue north to approximately 41st St, then continue northeast to 37th St and Gage Rd. The installation of this main will provide connectivity for current (short-term) and long-term growth capacity for the South Pressure Zone.

10. Previous Funding: \$ - Total Funding: \$ 2,213,250.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2021	\$ 230,000	Annual estimated operating cost will be included in operating budget for Water Distribution. Estimate of cost is based on results of a detailed Engineering Study and past bid prices.	
b. Right-of Way				
c. Construction/Service Fees	2021	\$ 1,520,000		
d. Contingency		\$ 200,000		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 29,250		
g. Cost of Issuance (Rev/GO Bonds)		\$ 39,000		
h. Debt Reserve Fund (Rev Bonds)		\$ 195,000		
i. Capitalized Interest		\$ -		
Project Total		\$ 2,213,250		
Estimated Life of Item (years):	<u>75 -100</u>			
Source of Estimate/Year:	<u>Water/2013</u>			

13. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021	2,213,250					\$2,213,250
2022						\$0
5 Year Total:	\$2,213,250	\$0	\$0	\$0	\$0	\$2,213,250



City of Topeka

Capital Improvement Project Summary

1. Project Title: Disinfection Modification Phase II 2. Project #: T-281037.03
 3. Dept/Div: Public Works / UAM - Water 4. Project Year(s): 2020
 5. Type: New 6. Project Location WT Plant;3245 NW Waterworks Dr
 7. Contact Name: Paul Bodner 8. Contact Phone: 368-2448

9. Project Description: Chlorine has been added to drinking water for over 100 years to kill potentially dangerous microorganisms and make water safe to drink. It has been discovered that by-products (referred to as TTHM's and HAAs) are created by the reaction between the chlorine and naturally occurring organic material in the water. The Environmental Protection Agency (EPA) has determined the possibility exists that some people who drink water containing high levels of TTHMs and HAAs over a lifetime may have increased risk of getting cancer. Because of this potential, EPA established two stages for implementation of regulations intended to reduce these levels. The Water Utility has been testing for HAAs for over 10 years, and with some inexpensive adjustments in the treatment processes have been able to maintain compliance. However, with the Stage II Regulations beginning April 1, 2012, the number of sample locations and calculation methods have changed such that we would have been in violation during those prior 10 years. As a result, a detailed study was made of alternative methods and costs to assure compliance with the new Requirements. The study concluded that installation of additional Ozone Treatment was the least cost to own and operate over a 20 year comparison with other options. If the requirements for cryptosporidium should affect the city's water, additional treatment would be necessary.

10. Previous Funding: \$ - Total Funding: \$ 12,000,000.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2020	\$ 325,000
b. Right-of Way		\$ -
c. Construction/Service Fees	2020	\$ 9,947,687
d. Contingency		\$ 300,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ 158,590
g. Cost of Issuance (Rev/GO Bonds)		\$ 211,454
h. Debt Reserve Fund (Rev Bonds)		\$ 1,057,269
i. Capitalized Interest		\$ -
Project Total		\$ 12,000,000
Estimated Life of Item (years):	<u>20 - 50</u>	
Source of Estimate/Year:	<u>Black & Veatch/2013</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Annual estimated operating cost will be included in operating budget for the Water Treatment Facility. Estimate of cost is based on results of a detailed Engineering Study.

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	12,000,000					\$12,000,000
2021						\$0
2022						\$0
5 Year Total:	\$12,000,000	\$0	\$0	\$0	\$0	\$12,000,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>16" on SW Wenger - Home Depot to SW 57th; 18" on SW 57th - SW Wenger to SW Topeka</u>	2. Project #:	<u>T-281142.00</u>
3. Dept/Div:	<u>Public Works / UAM - Water</u>	4. Project Year(s):	<u>2022</u>
5. Type:	<u>New</u>	6. Project Location:	<u>Wenger 57th to Topeka</u>
7. Contact Name:	<u>Paul Bodner</u>	8. Contact Phone:	<u>368-2448</u>

9. Project Description: The 2002 Water Distribution System Master Plan determined that this project among others will improve the delivery of potable water and fire protection throughout the city. The project includes design, right-of-way acquisition and construction of 16" main from Home Depot to 57th St, continuing east with 18" line on 57th St from Wenger St to Topeka Blvd. This project is part of an overall plan to assure the capability of the transmission and distribution system to meet existing and future demands and fire protection.

10. Previous Funding:	\$ -	Total Funding:	\$ 2,462,950.00	Future Funding:	\$ -
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	2022	\$ 275,000	Annual estimated operating cost will be included in operating budget for Water Distribution. Estimate of cost is based on results of a detailed Engineering Study and past bid prices. Funding is from Water Utility Enterprise Fund and Revenue Bonds.	
b. Right-of Way				
c. Construction/Service Fees	2022	\$ 1,695,000		
d. Contingency		\$ 200,000		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ 32,550		
g. Cost of Issuance (Rev/GO Bonds)		\$ 43,400		
h. Debt Reserve Fund (Rev Bonds)		\$ 217,000		
i. Capitalized Interest		\$ -		
Project Total		\$ 2,462,950		
Estimated Life of Item (years):	<u>75 -100</u>			
Source of Estimate/Year:	<u>Water/2013</u>			

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021						\$0
2022	2,462,950					\$2,462,950
5 Year Total:	\$2,462,950	\$0	\$0	\$0	\$0	\$2,462,950



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>24" on SW MacVicar - SW 29th to SW 37th</u>	2. Project #:	<u>T-281143.00</u>
3. Dept/Div:	<u>Public Works / UAM - Water</u>	4. Project Year(s):	<u>2020</u>
5. Type:	<u>New</u>	6. Project Location	<u>MacVicar 29th - 37th</u>
7. Contact Name:	<u>Paul Bodner</u>	8. Contact Phone:	<u>368-2448</u>

9. Project Description: The 2002 Water Distribution System Master Plan determined that this project among others will improve the delivery of potable water and fire protection throughout the city. Upsize existing line to 24" on SW MacVicar from 29th St to 37th St. This project is part of an overall plan to assure the capability of the transmission and distribution system to meet existing and future demands and fire protection.

10. Previous Funding:	\$ -	Total Funding:	\$ 2,400,525.00	Future Funding:	\$ -
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>
a. Design/Administrative Fees	2022	\$ 211,000	Annual estimated operating cost will be included in operating budget for Water Distribution. Estimate of cost is based on results of a detailed Engineering Study and past bid prices. Funding is from Water Utility Enterprise Fund and Revenue Bonds.
b. Right-of Way			
c. Construction/Service Fees	2022	\$ 1,754,000	
d. Contingency		\$ 150,000	
e. Technology		\$ -	
f. Financing Costs (Temp Notes)		\$ 31,725	
g. Cost of Issuance (Rev/GO Bonds)		\$ 42,300	
h. Debt Reserve Fund (Rev Bonds)		\$ 211,500	
i. Capitalized Interest		\$ -	
Project Total		\$ 2,400,525	
Estimated Life of Item (years):	<u>75 -100</u>		
Source of Estimate/Year:	<u>Water/2013</u>		

13. Amount by source of financing						
	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021						\$0
2022	2,400,525					\$2,400,525
5 Year Total:	\$2,400,525	\$0	\$0	\$0	\$0	\$2,400,525



Citywide Half-Cent Sales Tax Projects



City of Topeka

Capital Improvement Project Summary

1. Project Title: Maintain and Improve Existing Streets -2018 2. Project #: T-841017.01
 3. Dept/Div: Public Works / Engineering 4. Project Year(s): 2018
 5. Type: Repair/Replace 6. Project Location: Various Locations
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project will provide maintenance and improvements to existing city streets, curbs, gutters, and sidewalks. Maintenance and improvements will be limited to elements which are already in place and in need of maintenance, repair or replacement. Projects will be administered by the Engineering Division. The tentative list of 2018 projects include the following projects. Each year's projects will be reassessed and resources reallocated based on updated street conditions and needs.

- SE Adams Street from 29th Street to 33rd Street
- SW Gage Blvd. from 21st Street to 25th Street
- SW 29th Street & Burlingame Road
- S. Kansas Avenue from 19th Street to 21st Street
- N. Vail Avenue from Gordon Street to Hwy 24 Frontage Road
- Bridge Repair Program - As identified in Bi-Annual Bridge Inspections
- Local Street Repair Program in Central Park
- Street Restoration with Utility Projects

10. Previous Funding: \$9,350,000 (2017 CIP) Total Funding: \$8,660,311 Future Funding: \$8,800,000 (2019)

11. Project Schedule and Estimate	
	<u>Year</u> <u>Amount</u>
a. Design/Administrative Fees	Annual \$ 866,031
b. Right-of Way	
c. Construction/Service Fees	Annual \$ 7,644,280
d. Contingency	\$ 150,000
e. Technology	\$ -
f. Financing Costs (Temp Notes)	
g. Cost of Issuance (Rev/GO Bonds)	
h. Debt Reserve Fund (Rev Bonds)	\$ -
i. Capitalized Interest	\$ -
Project Total	\$ 8,660,311
Estimated Life of Item (years):	<u>10 to 30 years</u>
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Operating costs include pavement maintenance and pavement markings. The primary funding source is Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs of the existing deteriorated pavement.

13. Amount by source of financing						
	1. Citywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2018	8,660,311					\$8,660,311
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$8,660,311	\$0	\$0	\$0	\$0	\$8,660,311



City of Topeka

Capital Improvement Project Summary

1. Project Title: Maintain and Improve Existing Streets - 2019 2. Project #: T-841017.02
 3. Dept/Div: Public Works / Engineering 4. Project Year(s): 2019
 5. Type: Repair/Replace 6. Project Location: Various Locations
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project will provide maintenance and improvements to existing city streets, curbs, gutters, and sidewalks. Maintenance and improvements will be limited to elements which are already in place and in need of maintenance, repair or replacement. Projects will be administered by the Engineering Division. The tentative list of 2019 projects include the following projects. Each year's projects will be reassessed and resources reallocated based on updated street conditions and needs.

- SE Adams Street from 33rd Street to 37th Street
- SW Gage Blvd. from 25th Street to 29th Street
- N. Kansas Avenue from Morse Street to Old Soldier Creek
- Bridge Repair Program - As identified in Bi-Annual Bridge Inspections
- Local Street Repair Program in Chesney Park
- Street Restoration with Utility Projects

10. Previous Funding: \$8,660,311 (2018) Total Funding: \$ 8,800,000.00 Future Funding: Tax Expires

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ 880,000
b. Right-of Way		
c. Construction/Service Fees	Annual	\$ 7,770,000
d. Contingency		\$ 150,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		
g. Cost of Issuance (Rev/GO Bonds)		
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 8,800,000
Estimated Life of Item (years):	<u>10 to 30 years</u>	
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Operating costs include pavement maintenance and pavement markings. The primary funding source is Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs of the existing deteriorated pavement.

13. Amount by source of financing						
	1. Citywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2018						\$0
2019	8,800,000					\$8,800,000
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$8,800,000		\$0	\$0	\$0	\$8,800,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Americans with Disability Act Sidewalk Ramp Program</u>	2. Project #:	<u>T-241036.00</u>
3. Dept/Div:	<u>Public Works / Engineering Division</u>	4. Project Year(s):	<u>2018-2019</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location:	<u>Various locations citywide</u>
7. Contact Name:	<u>Brian Faust</u>	8. Contact Phone:	<u>785-368-3033</u>

9. Project Description: This project provides for maintenance and installation of accessible curb cuts and sidewalk ramps at intersections throughout the City in accordance with the Americans with Disability Act Accessibility Guidelines. The City has approximately 8,000 existing sidewalk ramps with approximately 1,200 additional locations needed. Priority locations are those identified where citizens have specific needs and following areas with major street maintenance.

10. Previous Funding:	\$300k/yr	Total Funding:	\$300k/yr	Future Funding:	\$300k in 2019
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11. Project Schedule and Estimate		Year	Amount
a. Design/Administrative Fees	Annual	\$	20,000
b. Right-of Way			
c. Construction/Service Fees		\$	260,000
d. Contingency		\$	20,000
e. Technology		\$	-
f. Financing Costs (Temp Notes)			
g. Cost of Issuance (Rev/GO Bonds)			
h. Debt Reserve Fund (Rev Bonds)		\$	-
i. Capitalized Interest		\$	-
Project Total		\$	300,000

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Operating costs are minimal. If maintenance is required, the primary funding source is Motor Fuel Tax.

Estimated Life of Item (years): 30 years
 Source of Estimate/Year: Eng. Div. -- 2015

13. Amount by source of financing						
	1. Citywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2018	300,000					\$300,000
2019	300,000					\$300,000
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$600,000	\$0	\$0	\$0	\$0	\$600,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Curbs, Gutters & Street Repair 2. Project #: T-841034.00
 3. Dept/Div: Public Works / Transportation Operations 4. Project Year(s): 2018-2019
 5. Type: Repair/Replace 6. Project Location: Various locations citywide
 7. Contact Name: Brian Faust/Ron Raines 8. Contact Phone: 785-368-0125/3033

9. Project Description: This project will replace curb and gutter sections reported by citizens citywide. It also provides funding for materials for the Transportation Operations Division to perform maintenance on streets throughout the City, including snow plowing and deicing services.

10. Previous Funding: \$1.5M/yr Total Funding: \$1.5M/yr Future Funding: \$ -

11. Project Schedule and Estimate	
	Year Amount
a. Design/Administrative Fees	Annual \$ 5,000
b. Right-of Way	
c. Construction/Service Fees	\$ 1,470,000
d. Contingency	\$ 25,000
e. Technology	\$ -
f. Financing Costs (Temp Notes)	
g. Cost of Issuance (Rev/GO Bonds)	
h. Debt Reserve Fund (Rev Bonds)	\$ -
i. Capitalized Interest	\$ -
Project Total	\$ 1,500,000
Estimated Life of Item (years):	<u>10 to 30 years</u>
Source of Estimate/Year:	<u>2016</u>

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Operating costs include maintenance costs. This project will provide a net reduction in operating costs due to the continued maintenance costs necessary for work on the deteriorated curb and gutter.

13. Amount by source of financing						
	1. Citywide Half Cent Sales Tax	2	3.	4.	5.	TOTAL
2018	1,500,000					\$1,500,000
2019	1,500,000					\$1,500,000
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$3,000,000		\$0	\$0	\$0	\$3,000,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Alley Repair 2. Project #: T-841041.00
 3. Dept/Div: Public Works / Transportation Operations 4. Project Year(s): 2018-2019
 5. Type: Repair/Replace 6. Project Location: Various locations citywide
 7. Contact Name: Brian Faust/Ron Raines 8. Contact Phone: 785-368-0125/3033

9. Project Description: This project is approved to rehabilitate alleys citywide that are requested by constituents as determined by the Transportation Operation Division's inspection and assessment decisions. Due to varying costs related to the project work, funding will allow for two to four alleys to be rehabilitated as part of the project.

10. Previous Funding: \$250k/yr Total Funding: \$250k/yr Future Funding: \$ -

11. Project Schedule and Estimate	
	Year Amount
a. Design/Administrative Fees	Annual \$ 42,500
b. Right-of Way	
c. Construction/Service Fees	\$ 202,500
d. Contingency	\$ 5,000
e. Technology	\$ -
f. Financing Costs (Temp Notes)	
g. Cost of Issuance (Rev/GO Bonds)	
h. Debt Reserve Fund (Rev Bonds)	\$ -
i. Capitalized Interest	\$ -
Project Total	\$ 250,000
Estimated Life of Item (years):	<u>10 to 30 years</u>
Source of Estimate/Year:	<u>2016</u>

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Operating costs include maintenance costs. This project will provide a net reduction in operating costs due to the continued maintenance costs necessary for work on the deteriorated alleys.

13. Amount by source of financing						
	1. Citywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2018	250,000					\$250,000
2019	250,000					\$250,000
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$500,000	\$0	\$0	\$0	\$0	\$500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Sidewalk Repair Program 2. Project #: T-241037.00
 3. Dept/Div: Public Works / Engineering 4. Project Year(s): 2018-2019
 5. Type: Repair/Replace 6. Project Location: Various locations citywide
 7. Contact Name: Brian Faust 8. Contact Phone: 785-368-3033

9. Project Description: This project will repair existing deteriorated sidewalks at various locations throughout the City. The project provides matching funds to allow property owners to repair sidewalks that are out of compliance with current codes.

10. Previous Funding: \$100k/yr Total Funding: \$100k/yr Future Funding: \$ -

11. Project Schedule and Estimate		Year	Amount
a. Design/Administrative Fees			
b. Right-of Way			
c. Construction/Service Fees	Annual		\$ 100,000
d. Contingency			
e. Technology			\$ -
f. Financing Costs (Temp Notes)			
g. Cost of Issuance (Rev/GO Bonds)			
h. Debt Reserve Fund (Rev Bonds)			\$ -
i. Capitalized Interest			\$ -
Project Total			\$ 100,000

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Operating costs are minimal but by City Code, sidewalk maintenance is the responsibility of the abutting property owner.

Estimated Life of Item (years): 30 years
 Source of Estimate/Year: Eng. Div. -- 2015

13. Amount by source of financing

	1. Citywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2018	100,000					\$100,000
2019	100,000					\$100,000
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$200,000	\$0	\$0	\$0	\$0	\$200,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Street Maintenance and Repair: Local Streets 2. Project #: T-841040.00
 3. Dept/Div: Public Works / Engineering 4. Project Year(s): 2018-2019
 5. Type: Repair/Replace 6. Project Location: Various locations citywide
 7. Contact Name: Brian Faust 8. Contact Phone: 785-368-0125

9. Project Description: This project will provide maintenance to local and collector streets, as needed to prevent the deterioration of existing streets beyond the point at which preventative maintenance efforts will no longer be effective. This project is focused toward residential neighborhoods which encompass most of the City's local streets. Locations or areas will be selected using Pavement Condition Index (PCI) from a 2016 pavement rating project, compiled by the Stantec Corporation. Local streets with PCI ratings above 40 and which can be preserved will be considered for this project. Typical maintenance and repair measures will be mill and overlay, full depth pavement repairs and replacement of concrete curb and gutter. Without preventative maintenance, local (residential) asphalt pavement needs complete reconstruction after 20 to 30 years.

10. Previous Funding: \$2M/yr Total Funding: \$2.998M/yr Future Funding: Tax Expires

11. Project Schedule and Estimate	
	Year Amount
a. Design/Administrative Fees	Annual \$ 200,000
b. Right-of Way	
c. Construction/Service Fees	\$ 2,700,000
d. Contingency	\$98,000
e. Technology	\$ -
f. Financing Costs (Temp Notes)	
g. Cost of Issuance (Rev/GO Bonds)	
h. Debt Reserve Fund (Rev Bonds)	\$ -
i. Capitalized Interest	\$ -
Project Total	\$ 2,998,000
Estimated Life of Item (years):	<u>10-15 years</u>
Source of Estimate/Year:	<u>2015</u>

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Operating costs include pavement markings and crack sealing. This project will provide a net reduction in operating costs by reducing the maintenance needs of the existing deteriorated pavement. The primary funding source for maintenance is Motor Fuel Tax.

13. Amount by source of financing						
	1. Citywide Half Cent Sales Tax	2	3.	4.	5.	TOTAL
2018	2,998,000					\$2,998,000
2019	2,888,000					\$2,888,000
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$5,886,000		\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$5,886,000



Federal Fund Projects



City of Topeka

Capital Improvement Project Summary

1. Project Title: Bridge on SW Cherokee Street over Ward Creek 2. Project #: T-121001.00
 3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2016-2018
 5. Type: Repair/Replace 6. Project Location: SW Cherokee over Ward Creek
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project will replace the aging bridge structure on SW Cherokee Street over Ward Creek. Design is expected to get underway in 2016 with utility relocation in 2017 and construction in 2018. The existing structure was constructed in 1930.

10. Previous Funding: \$125,000 Total Funding: \$855,000 Future Funding: \$0

11. Project Schedule and Estimate	
	Year Amount
a. Design/Administrative Fees	\$ -
b. Right-of Way	
c. Construction/Service Fees	2018 \$ 700,000
d. Contingency	\$ 30,000
e. Technology	\$ -
f. Financing Costs (Temp Notes)	\$ -
g. Cost of Issuance (Rev/GO Bonds)	\$ -
h. Debt Reserve Fund (Rev Bonds)	\$ -
i. Capitalized Interest	\$ -
Project Total	\$ 730,000
Estimated Life of Item (years):	<u>30 years</u>
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Replacement of the existing bridge structure will reduce the expenditure of annual bridge maintenance funds.

13. Amount by source of financing						
	1. Federal Funds	2.	3.	4.	5.	TOTAL
2018	730,000					\$730,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$730,000	\$0	\$0	\$0	\$0	\$730,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Bridge on SW 3rd St over Ward Cr. 2. Project #: T-121003.00
 3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2017-2019
 5. Type: Repair/Replace 6. Project Location: SW 3rd St. over Ward Creek
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project will replace the aging bridge structure on SW 3rd Street over Ward Creek. Design is expected to get underway in 2017 with utility relocation in 2018 and construction in 2019. The existing structure was constructed in 1930.

10. Previous Funding: \$ 75,000.00 Total Funding: \$ 875,000.00 Future Funding: \$ 750,000.00

11. Project Schedule and Estimate		
	Year	Amount
a. Design/Administrative Fees	2017	
b. Right-of Way	2018	\$ 50,000
c. Construction/Service Fees	2019	\$ 720,000
d. Contingency		\$ 30,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 800,000
Estimated Life of Item (years):		<u>30 years</u>
Source of Estimate/Year:		<u>Eng. Div. -- 2015</u>

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Replacement of the existing bridge structure will reduce the expenditure of annual bridge maintenance funds.

13. Amount by source of financing						
	1. Federal Funds	2.	3.	4.	5.	TOTAL
2018	50,000					\$50,000
2019	750,000					\$750,000
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$800,000		\$0	\$0	\$0	\$800,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Bridge on SE 29th Street over Butcher Creek 2. Project #: T-121005.00
 3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2018-2020
 5. Type: Repair/Replace 6. Project Location: SE 29th Street over Butcher Creek
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project will replace the aging bridge structure on SE 29th Street over Butcher Creek. Design is expected to get underway in 2018 with utility relocation in 2019 and construction in 2020. The existing bridge was constructed in 1960.

10. Previous Funding: \$ - Total Funding: \$ 1,000,000.00 Future Funding: \$9,200,000.00

11. Project Schedule and Estimate		
	Year	Amount
a. Design/Administrative Fees	2018	\$ 80,000
b. Right-of Way	2019	\$ 70,000
c. Construction/Service Fees	2020	\$ 800,000
d. Contingency		\$ 50,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 1,000,000
Estimated Life of Item (years): <u>30 years</u>		
Source of Estimate/Year: <u>Eng. Div. -- 2015</u>		

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Replacement of the existing bridge structure will reduce the expenditure of annual Bridge Maintenance Funds.

13. Amount by source of financing						
	1. Federal Fund Exchange	2.	3.	4.	5.	TOTAL
2018	80,000					\$80,000
2019	70,000					\$70,000
2020	850,000					\$850,000
2021						\$0
2022						\$0
5 Year Total:	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Bridge Deck Patching and Polymer Overlay 2. Project #: T-121006.00
 3. Dept/Div: Public Works / Engineering 4. Project Year(s): 2021
 5. Type: Repair/Replace 6. Project Location: SE 6th Ave. Br. & NE Sardou Bridge
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project will patch the decks and install polymer overlays on the SE 6th Avenue Bridge over Shunganunga Creek and the NE Sardou Avenue Bridge over the Kansas River. These bridge decks require this major maintenance work before the deterioration becomes substantial enough to require complete removal and replacement.

10. Previous Funding: \$ - Total Funding: \$ 1,200,000.00 Future Funding: \$ 1,200,000.00

11. Project Schedule and Estimate	
	<u>Year</u> <u>Amount</u>
a. Design/Administrative Fees	2021 \$ 80,000
b. Right-of Way	
c. Construction/Service Fees	2021 \$ 1,070,000
d. Contingency	\$ 50,000
e. Technology	\$ -
f. Financing Costs (Temp Notes)	
g. Cost of Issuance (Rev/GO Bonds)	
h. Debt Reserve Fund (Rev Bonds)	\$ -
i. Capitalized Interest	\$ -
Project Total	\$ 1,200,000
Estimated Life of Item (years):	<u>15-20 years</u>
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Patching the existing bridge decks and providing a polymer overlay will reduce future expenditures from the annual bridge maintenance funds and eliminate having to spend substantially more dollars in replacing these bridge decks.

13. Amount by source of financing						
	1. Federal	2.	3.	4.	5.	TOTAL
	Fund Exchange					
2018						\$0
2019						\$0
2020						\$0
2021	1,200,000					\$1,200,000
2022						\$0
5 Year Total:	\$1,200,000		\$0	\$0	\$0	\$0 \$1,200,000



General Fund and Debt Service Cash Projects



City of Topeka

Capital Improvement Project Summary

1. Project Title: Body Worn Camera/Taser Equipment Replacement Plan 2. Project #: T-801016.00
 3. Dept/Div: Police Department 4. Project Year(s): 2018-2022
 5. Type: New 6. Project Location: Law Enforcement Center
 7. Contact Name: Major Darin Scott 8. Contact Phone: 368-9211

9. Project Description: Public Safety. This project is ongoing and will need to be maintenance in future CIPs. Having Body Worn Cameras (BWC) has become an essential part of law enforcement operations. It is becoming near as synonymous as having a firearm. This is a forefront project we must maintain with the highest attention and provide the best quality devices and storage. BWCs are the number one item the Department of Justice demands when they issue a Consent Decree following an investigation of a Use of Force or Civil Rights Violation. The Topeka Police Department was on the forefront of bring BWCs on board as a tool for the officers. Technology is ever evolving and we must be able to evolve at near the same rate or we will find ourselves having to find more funding to catch up to current best practices. This CIP will enhance customer service as well.

10. Previous Funding: \$ - Total Funding: \$ 1,232,761.00 Future Funding: \$ -

11. Project Schedule and Estimate	
	Year Amount
a. Design/Administrative Fees	\$ -
b. Right-of Way	\$ -
c. Construction/Service Fees	Annual Varies
d. Contingency	\$ -
e. Technology	\$ -
f. Financing Costs (Temp Notes)	\$ -
g. Cost of Issuance (Rev/GO Bonds)	\$ -
h. Debt Reserve Fund (Rev Bonds)	\$ -
i. Capitalized Interest	\$ -
Project Total	\$ -

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 General Fund Request, Police Department currently has approximately \$113,000 in the general fund budget but this only funds the digital evidence storage space required for the cameras and a few taser replacements. This will not sustain the Police Department in future years as the cost of digital evidence storage will continue to increase as we have been utilizing the program for longer until the cost almost equals the proposed cost below covering not only unlimited digital evidence storage space but also an equipment replacement plan. Cost estimate was based on historical data for the past few years and predictions of how our usage will increase in the future compared to the unlimited digital storage/Equipment replacement program offered by the vendor. Additionally our warranties have expired and the cameras are needing replaced to continue this program.

Estimated Life of Item (years): Cycle Replacement
 Source of Estimate/Year: 2016

13. Amount by source of financing						
	General Fund Cash	2.	3.	4.	5.	TOTAL
2018	291,865					\$291,865
2019	235,224					\$235,224
2020	235,224					\$235,224
2021	235,224					\$235,224
2022	235,224					\$235,224
5 Year Total:	\$1,232,761		\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$1,232,761



City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Service Road Repair 2. Project #: T-301051.00
 3. Dept/Div: Zoo Service Road Repair 4. Project Year(s): 2021
 5. Type: Repair/Replace 6. Project Location: Topeka Zoological Park
 7. Contact Name: Brendan Wiley 8. Contact Phone: 368-9131

9. Project Description: This project will repair existing service roads on zoo property including a parking and trash storage area that have deteriorated beyond repair.

10. Previous Funding: \$ - Total Funding: \$ 217,060.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source: This item will not increase annual operating costs.	
a. Design/Administrative Fees	2021	\$ 14,200		
b. Right-of Way		\$ -		
c. Construction/Service Fees	2021	\$ 202,860		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ -		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 217,060		
Estimated Life of Item (years):	<u>30 years</u>			
Source of Estimate/Year:	<u>2014 Contractor Estimate</u>			

13. Amount by source of financing						
	1. Debt Service Cash	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021	217,060					\$217,060
2022						\$0
TOTAL	\$217,060	\$0	\$0	\$0	\$0	\$217,060



City of Topeka

Capital Improvement Project Summary

1. Project Title: Self Contained Breathing Apparatus 2. Project #: T-801009.00
 3. Dept/Div: Fire 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location: _____
 7. Contact Name: Interim Chief Sigle 8. Contact Phone: 368-4401

9. Project Description: Supply Self Contained Breathing Apparatus for the fire department. A 2018-2022 lease-purchase agreement will be utilized for the acquisition of this equipment.

10. Previous Funding: \$ - Total Funding: \$796,520 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees		\$ -		
b. Right-of Way		\$ -		
c. Construction/Service Fees		\$ 796,520		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ -		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
	Project Total	\$ 796,520		
Estimated Life of Item (years):	<u>10 years</u>			
Source of Estimate/Year:	<u>Staff</u>			

13. Amount by source of financing

	General Fund Cash	2.	3.	4.	5.	TOTAL
2018	159,304					\$159,304
2019	159,304					\$159,304
2020	159,304					\$159,304
2021	159,304					\$159,304
2022	159,304					\$159,304
5 Year Total:	\$796,520	\$0	\$0	\$0	\$0	\$796,520



City of Topeka

Capital Improvement Project Summary

1. Project Title: City4 Upgrades 2. Project #: T-861011.00
 3. Dept/Div: Communications 4. Project Year(s): 2018-2022
 5. Type: New 6. Project Location: City facilities
 7. Contact Name: Renaldo Davis 8. Contact Phone: 785-368-3967

9. Project Description: This project is intended to continue the City Communication/ City4 upgrades by instituting a five-year equipment replacement program. The multi-year budget includes replacing audio and visual equipment, including upgrades to the Council Chambers and other A/V presentation systems to include, 620 Madison, Law Enforcement Center and other conference rooms used for recording and Cable Casting City Communications programming. This funding also helps replace and repair our computer and camera equipment. The desired outcome is to maintain a multimedia system compatible with today's communications standards. These standards are based on a five year equipment replacement program.

10. Previous Funding: 70000/year Total Funding: \$ 350,000.00 Future Funding: 70,000/year

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology	2018-2022	\$ 350,000
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 350,000
Estimated Life of Item (years): <u>5 years</u>		
Source of Estimate/Year: <u>2016</u>		

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source: We have received this funding since 2012, and have consistently required the full amount for upgrades to our communications equipment and needs.

13. Amount by source of financing						
	1. General Fund	2.	3.	4.	5.	TOTAL
	Operating Cash					
2018	70,000					\$70,000
2019	70,000					\$70,000
2020	70,000					\$70,000
2021	70,000					\$70,000
2022	70,000					\$70,000
5 Year Total:	\$350,000		\$0	\$0	\$0	\$350,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: GPS Based Automobile Vehicle Locating System 2. Project #: New T-861015.00
 3. Dept/Div: Public Works/Transportation Operation 4. Project Year(s): 2019-2023
 5. Type: New 6. Project Location: TSG
 7. Contact Name: _____ 8. Contact Phone: _____

9. Project Description: The project is identified to procure a contracted Global Positioning System (GPS) based Automobile Vehicle Locating System (AVLS) utilized for the tracking and reporting of standard GPS data and data capturing specific work function activities on certain vehicles and equipment in the City fleet. The system requirements are identified by detail specifications and the system will be obtained through a request for proposal with all annual costs being expensed to organizations annual budget as an operational cost.

10. Previous Funding: \$ - Total Funding: \$ 100,000.00 Future Funding: \$ 100,000.00

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency	Annual	\$ 5,000
e. Technology		\$ 95,000
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 100,000
Estimated Life of Item (years):	<u>1 year</u>	
Source of Estimate/Year:	<u>2016</u>	

12. Estimated Annual Operating Cost \$100,000
 Basis for Cost Estimate and Funding Source: The estimate shown is based on our past experience and the intentions of adding system functionality in 2017. All cost of this program are expensed to the organizations operational budget.

13. Amount by source of financing						
	General Fund Cash	2.	3.	4.	5.	TOTAL
2018						\$ -
2019	100,000					\$ 100,000
2020	100,000					\$ 100,000
2021	100,000					\$ 100,000
2022	100,000					\$ 100,000
5 Year Total:	\$400,000		\$0	\$0	\$0	\$400,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Geocortex Implementation 2. Project #: T-801017.00
 3. Dept/Div: Public Works - Technical Support Group 4. Project Year(s): 2020
 5. Type: New 6. Project Location: Citywide
 7. Contact Name: Amber Reynolds 8. Contact Phone: 785-368-1905

9. Project Description: Geocortex extends and simplifies various geospatial activities including editing workflows, server management, and analytics. The software also comes with a Cityworks extension, so we can build native mobile apps for field workers to quickly and easily manage their work orders and inspections. This project includes licensing, implementation, technical support, and training.

10. Previous Funding: \$ - Total Funding: \$ 59,280.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology	2020	\$ 59,280
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 59,280
Estimated Life of Item (years): _____		
Source of Estimate/Year: _____		

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source: Received a quote from Latitude Geographics, which makes Geocortex. Annual software licensing will be approximately \$3,700.

13. Amount by source of financing						
	1. Debt Service Cash	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	59,280					\$59,280
2021						\$0
2022						\$0
5 Year Total:	\$59,280	\$0	\$0	\$0	\$0	\$59,280



City of Topeka

Capital Improvement Project Summary

1. Project Title: Public Safety Code Compliance at Municipal Facilities 2. Project #: T-131051.00
 3. Dept/Div: Public Works/Buildings and General Services 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location: Various
 7. Contact Name: Vince Schuetz 8. Contact Phone: 368-3934

9. Project Description: This project consists of electronically securing 24 doors at the Holliday Building, installing emergency lighting at 6 fire stations, and replacing emergency backup generators at the Fire Administration Building, and Fire Stations #5 and #12. The project also includes various concrete repair, purchasing 3 riding lawn mowers with landscaping attachments and snow blades for sidewalk clearance, and one snow clearance vehicle for parking lot snow and ice removal. Other safety issues include fencing replacement, viewing windows, and major painting restoration work at the Topeka Zoo. Storm shelters for locations that have no protection from severe storms.

10. Previous Funding: Total Funding: \$ 500,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees		\$ -	Professional inspection and estimate.	
b. Right-of Way		\$ -		
c. Construction/Service Fees	Annual	\$ 100,000		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ -		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 100,000		
Estimated Life of Item (years):	<u>15-25 years</u>			
Source of Estimate/Year:	<u>2016</u>			

13. Amount by source of financing

	1. G.F. or Debt Cash	2.	3.	4.	5.	TOTAL
2018	100,000					\$100,000
2019	100,000					\$100,000
2020	100,000					\$100,000
2021	100,000					\$100,000
2022	100,000					\$100,000
5 Year Total:	\$500,000	\$0	\$0	\$0	\$0	\$500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Fire Station Yearly Renovation</u>	2. Project #:	<u>T-131052.00</u>
3. Dept/Div:	<u>Public Works/Buildings and General Services</u>	4. Project Year(s):	<u>2018-2022</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location:	<u>Various</u>
7. Contact Name:	<u>Vince Schuetz</u>	8. Contact Phone:	<u>368-3934</u>

9. Project Description: We have many fire stations that are old and in disrepair. Maintenance costs on these stations have now become replacement costs because of the age of the equipment and the structures which house them. The decision has been made to take a holistic approach to renovate one station per year, instead of trying to maintain pieces of systems that are old and obsolete. Buildings being targeted: Station 3 (design in 2016, Construction 2017), Station 10 (2019), Station 11 (tentatively) or Station 9 (2020), and other buildings as identified.

10. Previous Funding:	\$ 261,164.00	Total Funding:	\$ 1,801,080.00	Future Funding:	\$ -
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees		\$ -	Professional inspection and estimate.	
b. Right-of Way		\$ -		
c. Construction/Service Fees	2018-2022	\$ 1,801,080		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ -		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 1,801,080		
Estimated Life of Item (years):	<u>20-30 years</u>			
Source of Estimate/Year:	<u>2016</u>			

13. Amount by source of financing						
	1. G.F. or Debt	2.	3.	4.	5.	TOTAL
	Cash					
2018	321,080					\$321,080
2019	370,000					\$370,000
2020	370,000					\$370,000
2021	370,000					\$370,000
2022	370,000					\$370,000
5 Year Total:	\$1,801,080	\$0	\$0	\$0	\$0	\$1,801,080



City of Topeka

Capital Improvement Project Summary

1. Project Title: Police Department Fleet Replacement 2. Project #: T-801018.00
 3. Dept/Div: Police Department 4. Project Year(s): 2018-2022
 5. Type: New 6. Project Location: Law Enforcement Center
 7. Contact Name: Major Darin Scott 8. Contact Phone: 368-9211

9. Project Description: Public Safety Enhancing/ Safe and secure neighborhoods. Vehicles are the main instrument from which police services are distributed and delivered through out our community. We must be able to sustain a viable and ready fleet of vehicles from which our officers can confidently respond and carry out the services the citizens have come to expect and rely on. The majority of our fleet are assigned throughout the City to territories (not officers) and this translates to the vehicles running around the clock 24/7/365. If a vehicle is made unavailable because of a mechanical failure or damage, this can delay services to our community. In this CIP we would recommend a constant sustainable flow of vehicles for replacement purposes to maintain a reliable fleet. Additionally, we have some vehicles assigned to officers who have specific functions (i.e. Response Team, Community Officers, SROs, EOD, Negotiators). These officers, as a best practice to get the most out of our fleet vehicles, do not receive new vehicles, but rather we re-assign the best mechanical older fleet vehicles to replace the worn and mechanically unsound vehicles. Over-all we maintain a workable number of vehicles to carry out all functions of police work and we are diligent in keeping our fleet at that number.

10. Previous Funding: Annual allocation Total Funding: \$ 2,800,000.00 Future Funding: \$500,000/year

11. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees	Annual	Varies
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ -

Estimated Life of Item (years): Cycle Replacement
 Source of Estimate/Year: 2016

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 General Fund, Police Department General Fund Budget currently has 700,000 budgeted for fleet replacement - in process of converting from lease purchase to buying vehicles outright. FY2018 \$300,000 current lease obligation + \$500,000 outright purchase, FY2019 \$500,000 outright purchase, FY2020 \$500,000 outright purchase, FY2021 \$500,000 outright purchase, FY2022 \$500,000 outright purchase.

13. Amount by source of financing

	1. General Operating Cash	2.	3.	4.	5.	TOTAL
2018	800,000					\$800,000
2019	500,000					\$500,000
2020	500,000					\$500,000
2021	500,000					\$500,000
2022	500,000					\$500,000
5 Year Total:	\$2,800,000		\$0	\$0	\$0	\$2,800,000



IT Fund Cash



City of Topeka

Capital Improvement Project Summary

1. Project Title: Telephone System Replacement 2. Project #: IS-2017-004
 3. Dept/Div: Information Technology 4. Project Year(s): 2017-2018
 5. Type: Repair/Replace 6. Project Location IT Server Room
 7. Contact Name: Mark Biswell 8. Contact Phone: 368-3718

9. Project Description: This is a project to move to a hosted voice service to replace the on premise telephone system. The on premise telephone system has been in operation since 2003. Projected costs include \$134,400 per year in subscription fees and \$140,000 in replacement telephones.

10. Previous Funding: \$ 137,000.00 Total Funding: \$ 274,000.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ 137,000
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 137,000
Estimated Life of Item (years): <u>4</u>		
Source of Estimate/Year: <u>Dec-15</u>		

12. Estimated Annual Operating Cost
 This upgrade is a typical technology refresh that occurs every ten to fifteen years and is funded through the IT Fund.

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018	137,000					\$137,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$137,000		\$0	\$0	\$0	\$137,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Desktop Computer Replacement 2. Project #: IS-2017-005
 3. Dept/Div: Information Technology 4. Project Year(s): 2018-2020
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Mark Biswell 8. Contact Phone: 368-3718

9. Project Description: This is a project to upgrade 325-personal computers across the computing enterprise of the City.

10. Previous Funding: \$ 83,250.00 Total Funding: \$ 333,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount		
a. Design/Administrative Fees	Annual	\$ -	This upgrade is a typical technology refresh that occurs every four years and is funded through leases charged to the IT Fund. There is a total of four separate leases that will become due in 2017 with a request for renewal in 2017.	
b. Right-of Way		\$ -		
c. Construction/Service Fees		\$ -		
d. Contingency		\$ -		
e. Technology		\$ 83,250		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ -		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 83,250		
Estimated Life of Item (years): <u>4</u>				
Source of Estimate/Year: <u>Dec-15</u>				

13. Amount by source of financing

	1. IT Fund	2.	3.	4.	5.	TOTAL
2018	83,250					\$83,250
2019	83,250					\$83,250
2020	83,250					\$83,250
2021						\$0
2022						\$0
5 Year Total:	\$249,750		\$0	\$0	\$0	\$249,750



City of Topeka

Capital Improvement Project Summary

1. Project Title: Security Systems Replacement 2. Project #: IS-2017-006
 3. Dept/Div: Information Technology 4. Project Year(s): 2017-2020
 5. Type: Repair/Replace 6. Project Location IT Server Room
 7. Contact Name: Mark Biswell 8. Contact Phone: 368-3718

9. Project Description: This is a project to upgrade 3-IT security appliances that protect the enterprise IT system from cyber attacks.

10. Previous Funding: \$ 52,500.00 Total Funding: \$ 210,000.00 Future Funding: \$ -

11. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ 52,500
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 52,500

Estimated Life of Item (years): 4
 Source of Estimate/Year: Dec-15

12. Estimated Annual Operating Cost

This upgrade is a typical technology refresh that occurs every four years and is funded through leases charged to the IT Fund. There is a one year lease that will become due in 2017 with a request for renewal in 2017.

13. Amount by source of financing

	1. IT Fund	2.	3.	4.	5.	TOTAL
2018	52,500					\$52,500
2019	52,500					\$52,500
2020	52,500					\$52,500
2021						\$0
2022						\$0
5 Year Total:	\$157,500		\$0	\$0	\$0	\$157,500



City of Topeka

Capital Improvement Project Summary

1. Project Title: Data Back-up System Replacement 2. Project #: IS-2017-007
 3. Dept/Div: Information Technology 4. Project Year(s): 2017-2020
 5. Type: Repair/Replace 6. Project Location IT Server Room
 7. Contact Name: Mark Biswell 8. Contact Phone: 368-3718

9. Project Description: This is a project to upgrade 6-data back-up appliances that are used to back-up data across the enterprise.

10. Previous Funding: \$ 62,500.00 Total Funding: \$ 250,000.00 Future Funding: \$ -

11. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ 62,500
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 62,500

Estimated Life of Item (years): 4
 Source of Estimate/Year: Dec-15

12. Estimated Annual Operating Cost

This upgrade is a typical technology refresh that occurs every four years and is funded through a lease charged to the IT Fund. There is a total of one lease that will become due in 2017 with a request for renewal in 2017.

13. Amount by source of financing

	1. IT Fund	2.	3.	4.	5.	TOTAL
2018	62,500					\$62,500
2019	62,500					\$62,500
2020	62,500					\$62,500
2021						\$0
2022						\$0
5 Year Total:	\$187,500		\$0	\$0	\$0	\$187,500



City of Topeka

Capital Improvement Project Summary

1. Project Title: Citywide Single Payment Portal 2. Project #: T-801011.00
 3. Dept/Div: All 4. Project Year(s): 2017-2018
 5. Type: New 6. Project Location Various
 7. Contact Name: Sherry Schoonover 8. Contact Phone: 785-368-2578

9. Project Description:
 This project is for a single payment gateway which will allow for various payment types for different services in one place. The customer will be able to pay for water bills, parking tickets, police alarm, license renewal, etc. within the same portal. This information is then disseminated to the different source applications.

- Gateway services and management of merchant services agreements
- Cash management by consolidating all payments into a single data repository
- Multiple destination bank accounts
- Integration to front-end and back-office systems
- Online financial reporting for research and reconciliation
- Real-time and batch payment authorizations
- Handling of refunds, chargebacks and exceptions, as applicable

10. Previous Funding: \$ 200,000.00 Total Funding: \$ 390,000.00 Future Funding: \$ 9.00

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2018	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ 250,000
d. Contingency		\$ 80,000
e. Technology		\$ 60,000
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 390,000
Estimated Life of Item (years):	<u>8</u>	
Source of Estimate/Year:	<u>Dec-15</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Annual pricing, approximately \$60,000

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018	190,000					\$190,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$190,000	\$0	\$0	\$0	\$0	\$190,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Citywide Asset Management Upgrade 2. Project #: T-801012.00
 3. Dept/Div: All 4. Project Year(s): 2018-2019
 5. Type: New 6. Project Location Various
 7. Contact Name: Doug Gerber, Sherry Schoonover 8. Contact Phone: 785-368-2578

9. Project Description:
 Project is for a citywide Asset Management System. This includes the following: Configured Assets, Use Permits, Incident Management, Asset Valuation, Work Management, Map Drawer, Street Assets, Roadway Assets, Water Assets, Sewer Assets and Storm Assets, Sign and Signal Assets.
 This also includes tools like Asset Analysis: Predictive Curves – model the change of indexes over time.; Decision Model – systematically applies agency logic regarding why and when assets should be repaired; Activity Effect on Index – models the effect of each repair activity on the asset indexes; Needs Analysis – Generates prioritized needs list of assets needing repair in each year of the analysis period; Budget Definition – Define one or more funding scenarios for the analysis period; Budget Analysis – Determine which needs can be funded under each funding a scenario. Tools also include Resource Planner and LOS (Level of Service) Calculator functions. LOS Calculator determines how many assets in a group need to be repaired in order to meet a specified LOS Target.

10. Previous Funding: \$ - Total Funding: \$ 660,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2018-2019	\$ -	Annual software as a service pricing, approximately \$60,000	
b. Right-of Way		\$ -		
c. Construction/Service Fees		\$ 500,000		
d. Contingency		\$ 100,000		
e. Technology		\$ 60,000		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ -		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 660,000		
Estimated Life of Item (years):		<u>8</u>		
Source of Estimate/Year:		<u>Dec-15</u>		

13. Amount by source of financing

	1. IT Fund	2.	3.	4.	5.	TOTAL
2018	360,000					\$360,000
2019	300,000					\$300,000
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$660,000	\$0	\$0	\$0	\$0	\$660,000



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Microsoft Azure</u>	2. Project #:	<u>IS-2018-00</u>
3. Dept/Div:	<u>Information Technology</u>	4. Project Year(s):	<u>2018-2020</u>
5. Type:	<u>New</u>	6. Project Location	<u>Citywide</u>
7. Contact Name:	<u>Sherry Schoonover</u>	8. Contact Phone:	<u>368-2578</u>

9. Project Description: This is a contract with Microsoft to license the Azure Platform to implement a data warehouse (handle exponential data growth without leaving security, scalability, or analytics behind) to store all City's historical, mission critical information. 2nd phase is big data analytics and development and test environment. Simplify and speed up the process of building and testing applications across every platform

10. Previous Funding:	\$ -	Total Funding:	\$ 300,000.00	Future Funding:	\$ -
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11. Project Schedule and Estimate			12. Estimated Annual Operating Cost
	Year	Amount	
a. Design/Administrative Fees	2018-2020	\$ -	Basis for Cost Estimate and Funding Source: This is a contract with Microsoft to license software and for implementation of solution.
b. Right-of Way		\$ -	
c. Construction/Service Fees		\$ -	
d. Contingency		\$ -	
e. Technology		\$ 300,000	
f. Financing Costs (Temp Notes)		\$ -	
g. Cost of Issuance (Rev/GO Bonds)		\$ -	
h. Debt Reserve Fund (Rev Bonds)		\$ -	
i. Capitalized Interest		\$ -	
Project Total		\$ 300,000	
Estimated Life of Item (years): _____			
Source of Estimate/Year: _____ Dec-16			

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018	150,000					\$150,000
2019	100,000					\$100,000
2020	50,000					\$50,000
2021						\$0
2022						\$0
5 Year Total:	\$300,000	\$0	\$0	\$0	\$0	\$300,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Network Switch Upgrade - Phase -1 2. Project #: IS-2019-001
 3. Dept/Div: Information Technology 4. Project Year(s): 2019-2022
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Mark Biswell 8. Contact Phone: 785-368-3718

9. Project Description: This is a project to upgrade 100-network switches across the computing enterprise of the City.

10. Previous Funding: \$ - Total Funding: \$ 500,000.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ 125,000
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 125,000
Estimated Life of Item (years): <u>4</u>		
Source of Estimate/Year: <u>12/23/2016</u>		

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source: This upgrade is a technology refresh that occurs every four years and is funded through a lease charged to the IT Fund 613125912552801. The current lease commenced in 2015 and expires in 2019. A new 4-year lease will need to commence starting in December of 2018.

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019	125,000					\$125,000
2020	125,000					\$125,000
2021	125,000					\$125,000
2022	125,000					\$125,000
5 Year Total:	\$500,000		\$0	\$0	\$0	\$500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Computer Upgrade - 2 2. Project #: IS-2018-002
 3. Dept/Div: Information Technology 4. Project Year(s): 2018-2021
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Mark Biswell 8. Contact Phone: 785-368-3718

9. Project Description: This is a project to upgrade 179-computers across the computing enterprise of the City.

10. Previous Funding: \$ - Total Funding: \$ 179,000.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	Year	Amount
a. Design/Administrative Fees	Annual	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ 44,750
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 44,750
Estimated Life of Item (years):	<u>4</u>	
Source of Estimate/Year:	<u>12/23/2016</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source: This upgrade is a technology refresh that occurs every four years and is funded through a lease charged to the IT Fund. The current lease commenced in 2014 and expires in 2018. A new 4-year lease will need to commence starting in December of 2017.

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018	44,750					\$44,750
2019	44,750					\$44,750
2020	44,750					\$44,750
2021	44,750					\$44,750
2022						\$0
5 Year Total:	\$179,000		\$0	\$0	\$0	\$179,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Microsoft Enterprise Agreement 2. Project #: IS-2019-002
 3. Dept/Div: Information Technology 4. Project Year(s): 2019-2021
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Mark Biswell 8. Contact Phone: 785-368-3718

9. Project Description: This is a contract renewal for the Microsoft Enterprise Agreement. This agreement provides licensing for the Microsoft Desktop Operating System and the Microsoft Office Suite for all computers in the City.

10. Previous Funding: \$ - Total Funding: \$ 950,000.00 Future Funding: \$0.00

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source: This is a contract renewal for the Microsoft EA Agreement. The contract will be renewed in 2019 and funded from IT Fund.	
a. Design/Administrative Fees	Annual	\$ -		
b. Right-of Way		\$ -		
c. Construction/Service Fees		\$ -		
d. Contingency		\$ -		
e. Technology		\$ 316,667		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ -		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 316,667		
Estimated Life of Item (years):	<u>4</u>			
Source of Estimate/Year:	<u>12/23/2016</u>			

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019	316,667					\$316,667
2020	316,667					\$316,667
2021	316,666					\$316,666
2022						\$0
5 Year Total:	\$950,000	\$0	\$0	\$0	\$0	\$950,000



City of Topeka

Capital Improvement Project Summary

- | | | | |
|-------------------|--|----------------------|---------------------|
| 1. Project Title: | <u>Network Switch Upgrade - Phase -2</u> | 2. Project #: | <u>IS-2020-001</u> |
| 3. Dept/Div: | <u>Information Technology</u> | 4. Project Year(s): | <u>2020-2023</u> |
| 5. Type: | <u>Repair/Replace</u> | 6. Project Location: | <u>Citywide</u> |
| 7. Contact Name: | <u>Mark Biswell</u> | 8. Contact Phone: | <u>785-368-3718</u> |

9. Project Description: This is a project to upgrade 43-network switches across the computing enterprise of the City.

10. Previous Funding: \$ - Total Funding: \$ 87,511.00 Future Funding: \$ 21,878.00

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ 21,878
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 21,878
Estimated Life of Item (years):	<u>4</u>	
Source of Estimate/Year:	<u>12/23/2016</u>	

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source: This upgrade is a technology refresh that occurs every four years and is funded through a lease charged to the IT Fund. The current lease commenced in 2016 and expires in 2020. A new 4-year lease will need to commence starting in December of 2019.

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	21,878					\$21,878
2021	21,878					\$21,878
2022	21,878					\$21,878
5 Year Total:	\$65,634	\$0	\$0	\$0	\$0	\$65,634



City of Topeka

Capital Improvement Project Summary

1. Project Title: Computer Upgrade - 3 2. Project #: IS-2019-003
 3. Dept/Div: Information Technology 4. Project Year(s): 2019-2022
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Mark Biswell 8. Contact Phone: 785-368-3718

9. Project Description: This is a project to upgrade 149-computers across the computing enterprise of the City.

10. Previous Funding: \$ - Total Funding: \$ 149,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost
	Year	Amount	
a. Design/Administrative Fees	Annual	\$ -	Basis for Cost Estimate and Funding Source: This upgrade is a technology refresh that occurs every four years and is funded through a lease charged to the IT Fund. The current lease commenced in 2015 and expires in 2019. A new 4-year lease will need to commence starting in December of 2018.
b. Right-of Way		\$ -	
c. Construction/Service Fees		\$ -	
d. Contingency		\$ -	
e. Technology		\$ 37,250	
f. Financing Costs (Temp Notes)		\$ -	
g. Cost of Issuance (Rev/GO Bonds)		\$ -	
h. Debt Reserve Fund (Rev Bonds)		\$ -	
i. Capitalized Interest		\$ -	
Project Total		\$ 37,250	
Estimated Life of Item (years):		<u>4</u>	
Source of Estimate/Year:		<u>12/23/2016</u>	

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019	37,250					\$37,250
2020	37,250					\$37,250
2021	37,250					\$37,250
2022	37,250					\$37,250
5 Year Total:	\$149,000	\$0	\$0	\$0	\$0	\$149,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Fire Department Mobile Data Terminal Upgrade 2. Project #: IS-2020-003
 3. Dept/Div: Information Technology 4. Project Year(s): 2020-2023
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Mark Biswell 8. Contact Phone: 785-368-3718

9. Project Description: This is a project to upgrade mobile data terminals in use at the Topeka Fire Department.

10. Previous Funding: \$ - Total Funding: \$ 125,000.00 Future Funding: \$ 31,250.00

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ 31,250
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 31,250
Estimated Life of Item (years):	<u>4</u>	
Source of Estimate/Year:	<u>12/23/2016</u>	

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source: This upgrade is a technology refresh that occurs every four years and is funded through a lease charged to the IT Fund. The current lease commenced in 2016 and expires in 2020. A new 4-year lease will need to commence starting in December of 2019.

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	31,250					\$31,250
2021	31,250					\$31,250
2022	31,250					\$31,250
5 Year Total:	\$93,750	\$0	\$0	\$0	\$0	\$93,750



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Police Department Mobile Data Terminal Upgrade Phase-1</u>	2. Project #:	<u>IS-2020-004</u>
3. Dept/Div:	<u>Information Technology</u>	4. Project Year(s):	<u>2020-2023</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location	<u>Citywide</u>
7. Contact Name:	<u>Mark Biswell</u>	8. Contact Phone:	<u>785-368-3718</u>

9. Project Description: This is a project to upgrade mobile data terminals in use at the Topeka Police Department.

10. Previous Funding: \$ - Total Funding: \$ 225,000.00 Future Funding: \$ 56,250.00

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u> This upgrade is a technology refresh that occurs every four years and is funded through a lease charged to the IT Fund. The current lease commenced in 2016 and expires in 2020. A new 4-year lease will need to commence starting in December of 2019.	
a. Design/Administrative Fees	Annual	\$ -		
b. Right-of Way		\$ -		
c. Construction/Service Fees		\$ -		
d. Contingency		\$ -		
e. Technology		\$ 56,250		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ -		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 56,250		
Estimated Life of Item (years):	<u>4</u>			
Source of Estimate/Year:	<u>12/23/2016</u>			

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	56,250					\$56,250
2021	56,250					\$56,250
2022	56,250					\$56,250
5 Year Total:	\$168,750		\$0	\$0	\$0	\$168,750



City of Topeka

Capital Improvement Project Summary

1. Project Title:	<u>Police Department Mobile Data Terminal Upgrade Phase-2</u>	2. Project #:	<u>IS-2020-005</u>
3. Dept/Div:	<u>Information Technology</u>	4. Project Year(s):	<u>2020-2023</u>
5. Type:	<u>Repair/Replace</u>	6. Project Location	<u>Citywide</u>
7. Contact Name:	<u>Mark Biswell</u>	8. Contact Phone:	<u>785-368-3718</u>

9. Project Description: This is a project to upgrade mobile data terminals in use at the Topeka Police Department.

10. Previous Funding: \$	-	Total Funding: \$	100,000.00	Future Funding: \$	25,000.00
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11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ 25,000
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 25,000
Estimated Life of Item (years):	<u>4</u>	
Source of Estimate/Year:	<u>12/23/2016</u>	

12. Estimated Annual Operating Cost

Basis for Cost Estimate and Funding Source: This upgrade is a technology refresh that occurs every four years and is funded through a lease charged to the IT Fund. The current lease commenced in 2016 and expires in 2020. A new 4-year lease will need to commence starting in December of 2019.

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	25,000					\$25,000
2021	25,000					\$25,000
2022	25,000					\$25,000
5 Year Total:	\$75,000	\$0	\$0	\$0	\$0	\$75,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Storage Area Network Upgrade 2. Project #: IS-2020-006
 3. Dept/Div: Information Technology 4. Project Year(s): 2020-2023
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Mark Biswell 8. Contact Phone: 785-368-3718

9. Project Description: This is a project to upgrade the enterprise Storage Area Network (SAN). The SAN is where all network storage for City computers and servers is stored.

10. Previous Funding: \$ - Total Funding: \$ 650,000.00 Future Funding: \$ 162,500.00

11. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ 162,500
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 162,500
Estimated Life of Item (years):	<u>4</u>	
Source of Estimate/Year:	<u>12/23/2016</u>	

12. Estimated Annual Operating Cost

Basis for Cost Estimate and Funding Source: This upgrade is a technology refresh that occurs every four years and is funded through a lease charged to the IT Fund. The current lease commenced in 2016 and expires in 2020. A new 4-year lease will need to commence starting in December of 2019.

13. Amount by source of financing

	1. IT Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	162,500					\$162,500
2021	162,500					\$162,500
2022	162,500					\$162,500
5 Year Total:	\$487,500	\$0	\$0	\$0	\$0	\$487,500



City of Topeka

Capital Improvement Project Summary

1. Project Title: Security Systems Replacement - 2 2. Project #: IS-2020-002
 3. Dept/Div: Information Technology 4. Project Year(s): 2020-2023
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Mark Biswell 8. Contact Phone: 785-368-3718

9. Project Description: This is a project to upgrade 4-IT security appliances that protect the enterprise IT infrastructure from Cybersecurity attacks.

10. Previous Funding: \$ - Total Funding: \$ 260,000.00 Future Funding: \$ 65,000.00

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ 65,000
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 65,000
Estimated Life of Item (years): <u>4</u>		
Source of Estimate/Year: <u>12/23/2016</u>		

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source: This upgrade is a technology refresh that occurs every four years and is funded through a lease charged to the IT Fund. The current lease commenced in 2017 and expires in 2020. A new 4-year lease will need to commence starting in December of 2019.

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	65,000					\$65,000
2021	65,000					\$65,000
2022	65,000					\$65,000
5 Year Total:	\$195,000		\$0	\$0	\$0	\$195,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Computer Upgrade - 4 2. Project #: IS-2020-007
 3. Dept/Div: Information Technology 4. Project Year(s): 2020-2023
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Mark Biswell 8. Contact Phone: 785-368-3718

9. Project Description: This is a project to upgrade 133-computers across the computing enterprise of the City.

10. Previous Funding: \$ - Total Funding: \$ 133,000.00 Future Funding: \$ 33,250.00

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>
a. Design/Administrative Fees	Annual	\$ -	This upgrade is a technology refresh that occurs every four years and is funded through a lease charged to the IT Fund. The current lease commenced in 2016 and expires in 2020. A new 4-year lease will need to commence starting in December of 2019.
b. Right-of Way		\$ -	
c. Construction/Service Fees		\$ -	
d. Contingency		\$ -	
e. Technology		\$ 33,250	
f. Financing Costs (Temp Notes)		\$ -	
g. Cost of Issuance (Rev/GO Bonds)		\$ -	
h. Debt Reserve Fund (Rev Bonds)		\$ -	
i. Capitalized Interest		\$ -	
Project Total		\$ 33,250	
Estimated Life of Item (years): <u>4</u>			
Source of Estimate/Year: <u>12/23/2016</u>			

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	33,250					\$33,250
2021	33,250					\$33,250
2022	33,250					\$33,250
5 Year Total:	\$99,750	\$0	\$0	\$0	\$0	\$99,750



City of Topeka

Capital Improvement Project Summary

1. Project Title: Data Back-up System Replacement - 2 2. Project #: IS-2020-008
 3. Dept/Div: Information Technology 4. Project Year(s): 2020-2023
 5. Type: Repair/Replace 6. Project Location Citywide
 7. Contact Name: Mark Biswell 8. Contact Phone: 785-368-3718

9. Project Description: This is a project to upgrade 6-data back-up appliances that are used to back-up data across the enterprise.

10. Previous Funding: \$ - Total Funding: \$ 300,000.00 Future Funding: \$ 75,000.00

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	Annual	\$ -
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ 75,000
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 75,000
Estimated Life of Item (years): <u>4</u>		
Source of Estimate/Year: <u>12/23/2016</u>		

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source: This upgrade is a technology refresh that occurs every four years and is funded through a lease charged to the IT Fund. The current lease commenced in 2017 and expires in 2020. A new 4-year lease will need to commence starting in December of 2019.

13. Amount by source of financing						
	1. IT Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020	75,000					\$75,000
2021	75,000					\$75,000
2022	75,000					\$75,000
5 Year Total:	\$225,000		\$0	\$0	\$0	\$225,000



Parking Fund Cash



City of Topeka

Capital Improvement Project Summary

1. Project Title: 512 Jackson Elevator Upgrade 2. Project #: T-131053.00
 3. Dept/Div: Public Works/Facilities 4. Project Year(s): 2019-2020
 5. Type: Repair/Replace 6. Project Location: 512 Jackson Garage
 7. Contact Name: Vincent Schuetz 8. Contact Phone: 785-806-0178

9. Project Description: 512 Jackson Garage has two elevators servicing six levels, both need to be modernized, which includes replacing and installing vital components. Updating is estimated to be cheaper than full replacement. This will improve the overall performance of the elevators, making them compliant with current life safety, handicap and elevator code requirements.

10. Previous Funding: \$ - Total Funding: \$ 211,762.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	Year	Amount
a. Design/Administrative Fees	2019-2020	\$ 211,762
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 211,762
Estimated Life of Item (years):	<u>30 Years</u>	
Source of Estimate/Year:	<u>2016</u>	

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Estimate was used from the elevator upgrade at the Park N Shop Garage.

13. Amount by source of financing

	1. Parking Fund	2.	3.	4.	5.	TOTAL
2018						\$0
2019	105,881					\$105,881
2020	105,881					\$105,881
2021						\$0
2022						\$0
5 Year Total:	\$211,762		\$0	\$0	\$0	\$211,762



City of Topeka

Capital Improvement Project Summary

1. Project Title: 9th Street Garage Elevator Upgrade 2. Project #: T-131054.00
 3. Dept/Div: Public Works/Facilities 4. Project Year(s): 2018-2019
 5. Type: Repair/Replace 6. Project Location: 9th Street Parking Facility
 7. Contact Name: Vincent Schuetz 8. Contact Phone: 785-806-0178

9. Project Description: 9th Street Garage has two elevators servicing seven levels, both need to be modernized, which includes replacing and installing vital components. Updating is estimated to be cheaper than full replacement. This will improve the overall performance of the elevators, making them compliant with current life safety, handicap and elevator code requirements.

10. Previous Funding: \$ - Total Funding: \$ 247,055.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2018-2019	\$ 247,055	Estimate was used from the elevator upgrade at the Park N Shop Garage.	
b. Right-of Way		\$ -		
c. Construction/Service Fees		\$ -		
d. Contingency		\$ -		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ -		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 247,055		
Estimated Life of Item (years):	<u>30 Years</u>			
Source of Estimate/Year:	<u>2016</u>			

13. Amount by source of financing

	1. Parking Fund	2.	3.	4.	5.	TOTAL
2018	123,528					\$123,528
2019	123,528					\$123,528
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$247,056	\$0	\$0	\$0	\$0	\$247,055



City of Topeka

Capital Improvement Project Summary

1. Project Title: Parking Garage Systems (Hardware and Software Upgrade) 2. Project #: T 131049.00
 3. Dept/Div: Public Works/Facilities- Parking Maintenance 4. Project Year(s): 2018-2022
 5. Type: Repair/Replace 6. Project Location: Downtown Topeka
 7. Contact Name: Vincent Schuetz, Facilities Manager 8. Contact Phone: 785-368-3934

9. Project Description: Replacement of existing "Scan-Net" parking maintenance management system (computerized) as well as gate/entry and exit (ticket) automated systems and related hardware. Centre City Garage to be completed in 2016. Townsite Garage in 2017. Park-N-Shop Office in 2018. Crosby Street Garage in 2019. Ninth Street Garage in 2020. 512 Jackson in 2021. Park-N-Shop's software upgrade was partially completed in 2016, but part of it has been pushed into 2018 due to more acute circumstances in other garage locations.

10. Previous Funding: \$ - Total Funding: \$ 690,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost
	Year	Amount	
a. Design/Administrative Fees	Annual	\$ 8,000	Basis for Cost Estimate and Funding Source: Estimates provided by Fisher Parking.
b. Right-of Way		\$ -	
c. Construction/Service Fees		\$ 100,000	
d. Contingency		\$ 30,000	
e. Technology		\$ -	
f. Financing Costs (Temp Notes)		\$ -	
g. Cost of Issuance (Rev/GO Bonds)		\$ -	
h. Debt Reserve Fund (Rev Bonds)		\$ -	
i. Capitalized Interest		\$ -	
Project Total		\$ 138,000	
Estimated Life of Item (years): <u>10 Years</u>			
Source of Estimate/Year: <u>Staff 2014</u>			

13. Amount by source of financing

	1. Parking Fund	2.	3.	4.	5.	TOTAL
2018	138,000					\$138,000
2019	138,000					\$138,000
2020	138,000					\$138,000
2021	138,000					\$138,000
2022	138,000					\$138,000
5 Year Total:	\$690,000	\$0	\$0	\$0	\$0	\$690,000



Countywide Half-Cent Sales Tax Projects



City of Topeka

Capital Improvement Project Summary

1. Project Title: SW 6th Avenue - SW Gage Boulevard to SW Fairlawn Road 2. Project #: T-701013.00
 3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2016-2018
 5. Type: Repair/Replace 6. Project Location: SW 6th Ave. -Gage to Fairlawn
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project will widen SW 6th Avenue between SW Gage Blvd. and SW Fairlawn Road. The new roadway will include curb & gutter, sidewalks, street lighting, and a drainage system. The project will be funded by the extension of the Countywide Half Cent Sales Tax that takes effect January 1, 2017. The construction will be phase into two sections. First phase will be constructed late summer/fall of 2017 and the remainder completed in 2018. Project will expend \$3.045 M in 2017 and 3.1 M in 2018.

10. Previous Funding: \$ 3,045,000.00 Total Funding: \$ 6,145,000.00 Future Funding: \$ -

11. Project Schedule and Estimate			12. Estimated Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees		\$ -	Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs for the new pavement versus the existing deteriorated pavement.	
b. Right-of Way		\$ -		
c. Construction/Service Fees	2018	\$ 2,900,000		
d. Contingency	2018	\$ 200,000		
e. Technology		\$ -		
f. Financing Costs (Temp Notes)		\$ -		
g. Cost of Issuance (Rev/GO Bonds)		\$ -		
h. Debt Reserve Fund (Rev Bonds)		\$ -		
i. Capitalized Interest		\$ -		
Project Total		\$ 3,100,000		
Estimated Life of Item (years): <u>30 years</u>				
Source of Estimate/Year: <u>Eng. Div. -- 2015</u>				

13. Amount by source of financing

	1. Countywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2018	3,100,000					\$3,100,000
2019						\$0
2020						\$0
2021						\$0
2022						\$0
5 Year Total:	\$3,100,000	\$0	\$0	\$0	\$0	\$3,100,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Master Plan 2. Project #: T-3001047.00
 3. Dept/Div: Zoo 4. Project Year(s): 2017-2022
 5. Type: New 6. Project Location: Zoo
 7. Contact Name: Brendan Wiley 8. Contact Phone: 368-9131

9. Project Description: Funded through private donations and Countywide Sales Tax, the first phases will include the following projects: 1) Camp Cowabunga: This project will redevelop a central area in the zoo. It will feature exhibits including African lions, red patas monkeys and painted dogs. The exhibits will surround a safari camp and lodge that will allow guests up close views of the animals as well as interactive educational opportunities. The lodge will consist of four "tents" of which the last one will be known as Gary's Tent. 2) Tiger Trails: Tiger Trails is a project that will move the zoo's Sumatran Tiger exhibit to the Asian area of the zoo. 3) Elephant Reserve: Elephant Reserve will expand both the elephant holding building and outdoor elephant exhibit. The holding building will approximately double in size and be able to hold up to eight elephants including a bull. It will allow for year round viewing and will have a community room for the elephants that will have a sand floor. The outside exhibit will cover nearly three acres that will facilitate natural elephant behavior and abundant stimulation for the elephants throughout the day and night. 4) Giraffe Canopy is a project that will move the zoo's giraffe to a new exhibit on the East side of the zoo. Giraffe Canopy will build a new modern holding facility and will add a mixed species exhibit approximately an acre and a half in size.

10. Previous Funding: \$ 1,943,131.00 Total Funding: \$ 13,243,131.00 Future Funding: \$ -

11. Project Schedule and Estimate	
	<u>Year</u>
a. Design/Administrative Fees	\$ 1,180,000
b. Right-of Way	\$ -
c. Construction/Service Fees	\$ 8,940,000
d. Contingency	\$ 1,180,000
e. Technology	\$ -
f. Financing Costs (Temp Notes)	\$ -
g. Cost of Issuance (Rev/GO Bonds)	\$ -
h. Debt Reserve Fund (Rev Bonds)	\$ -
i. Capitalized Interest	\$ -
Project Total	\$ 11,300,000
Estimated Life of Item (years):	<u>30 Years</u>
Source of Estimate/Year:	<u>2012</u>

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source: All four projects will be funded through a combination of dedicated Countywide Half Cent Sales Tax funds and Donations.

13. Amount by source of financing						
	1. Countywide Sales Tax	2. Donations	3.	4.	5.	TOTAL
2018	1,000,000	1,800,000				\$2,800,000
2019						\$0
2020	250,000	1,500,000				\$1,750,000
2021						\$0
2022	1,750,000	5,000,000				\$6,750,000
5 Year Total:	\$3,000,000	\$8,300,000			\$0	\$0 \$11,300,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Bikeways Master Plan 2. Project #: T-861010.00
 3. Dept/Div: Public Works -- Engineering / Planning 4. Project Year(s): 2018, 2020, 2022
 5. Type: Repair/Replace 6. Project Location: Various
 7. Contact Name: Terry Coder 8. Contact Phone: 368-3029

9. Project Description: This project will construct bikeway routes identified in the Topeka Bikeways Master Plan. The project will improve the bicycle network across the City by providing such features as side paths, shared routes, connecting links, and bike lanes. The project will be funded by an extension of the Countywide Half Cent sales tax to take effect January 1, 2017. The project will be constructed in phases every other year starting in 2018.

10. Previous Funding: \$ - Total Funding: \$ 1,500,000.00 Future Funding: \$ 1,000,000.00

11. Project Schedule and Estimate		
	Year	Amount
a. Design/Administrative Fees	2018, 2020, 2022	\$ 112,500
b. Right-of Way		\$ -
c. Construction/Service Fees	2018, 2020, 2022	\$ 1,275,000
d. Contingency	2018, 2020, 2022	\$ 112,500
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 1,500,000

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 Operating costs include replacing pavement markings and signs. The primary funding source is Motor Fuel Tax.

Estimated Life of Item (years): 10-30 years
 Source of Estimate/Year: Eng. Div. -- 2015

13. Amount by source of financing

	1. Countywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2018	500,000					\$500,000
2019						\$0
2020	500,000					\$500,000
2021						\$0
2022	500,000					\$500,000
5 Year Total:	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: 12th Street (2 lanes) - Gage Boulevard to Kansas Avenue 2. Project #: T-701016.00
 3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2019-2022
 5. Type: Repair/Replace 6. Project Location: 12th Street -Gage to Kansas
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project provides funding for replacing 12th Street between Gage Blvd. and Kansas Avenue in conjunction with a countywide sales tax project. The new roadway will include two lanes of pavement and sidewalks. This portion of funding is from the extension of the Countywide Half Cent sales tax to take effect January 1, 2017. The project is expected to be constructed in 2021-2022. Estimating half the project to be constructed in 2021 with remaining half in 2022. Phasing of project may be longer with the number of driveways, intersections, and utility coordination. Reconstruction along the corridor will be challenging.

10. Previous Funding: \$ - Total Funding: \$ 13,180,000.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2019-2020	\$ 700,000
b. Right-of Way	2020	\$ 200,000
c. Construction/Service Fees	2021-2022	\$ 11,980,000
d. Contingency	2021-2022	\$ 300,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 13,180,000

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs for the new pavement versus the existing deteriorated pavement.

Estimated Life of Item (years): 30 years
 Source of Estimate/Year: Eng. Div. -- 2015

13. Amount by source of financing						
	1. Countywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2018						\$0
2019	500,000					\$500,000
2020	400,000					\$400,000
2021	6,140,000					\$6,140,000
2022	6,140,000					\$6,140,000
5 Year Total:	\$13,180,000		\$0	\$0	\$0	\$13,180,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: SE California Avenue - SE 37th Street to SE 45th Street 2. Project #: T-701021.00
 3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2018-2020
 5. Type: Repair/Replace 6. Project Location: SE California Ave. 37th to 45th
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project will widen SE California Avenue between SE 37th Street and SE 45th Street. The new roadway will include curb & gutter, sidewalks, street lighting, and a drainage system. The project will be funded by an extension of the Countywide Half Cent sales tax to take effect January 1, 2017. The project is expected to be constructed in 2020. Due to need for road repair, a mill and overlay will be performed in 2017 prior to the 2020 full reconstruction, with \$200,000 being reappropriated from T-841040.00

10. Previous Funding: \$ - Total Funding: \$ 5,600,000.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2018-2019	\$ 400,000
b. Right-of Way	2019	\$ 200,000
c. Construction/Service Fees	2020	\$ 4,800,000
d. Contingency	2020	\$ 200,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 5,600,000

Estimated Life of Item (years): 30 years
 Source of Estimate/Year: Eng. Div. -- 2015

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs for the new pavement versus the existing deteriorated pavement.

13. Amount by source of financing						
	1. Countywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2018	200,000					\$200,000
2019	400,000					\$400,000
2020	5,000,000					\$5,000,000
2021						\$0
2022						\$0
5 Year Total:	\$5,600,000	\$0	\$0	\$0	\$0	\$5,600,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: SW 17th Street MacVicar to Interstate 470 2. Project #: T- T-701025.00
 3. Dept/Div: Public Works -- Engineering 4. Project Year(s): 2021-2025
 5. Type: Repair/Replace 6. Project Location: _____
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: This project will replace the pavement on SW 17th Street between SW MacVicar Avenue and Interstate 470. The roadway will include curb & gutter, sidewalks, and a drainage system. The project will be funded by an extension of the Countywide Half Cent sales tax to take effect January 1, 2017. The project is expected to be constructed in three sections from 2023-25 with additional funding of \$13,800,000 provided in Years 2022-25.

10. Previous Funding: \$ - Total Funding: \$ 14,600,000.00 Future Funding: \$ 13,300,000.00

11. Project Schedule and Estimate		
	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2021	\$ 800,000
b. Right-of Way	2022	\$ 500,000
c. Construction/Service Fees		\$ -
d. Contingency		\$ -
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 1,300,000

12. Estimated Annual Operating Cost
Basis for Cost Estimate and Funding Source:
 Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs for the new pavement versus the existing deteriorated pavement.

Estimated Life of Item (years): 30 years
 Source of Estimate/Year: Eng. Div. -- 2015

13. Amount by source of financing						
	1. Countywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2018						\$0
2019						\$0
2020						\$0
2021	800,000					\$800,000
2022	500,000					\$500,000
5 Year Total:	\$1,300,000	\$0	\$0	\$0	\$0	\$1,300,000



City of Topeka

Capital Improvement Project Summary

1. Project Title: Pavement Management Project 2. Project #: T-601071.00
 3. Dept/Div: PW/Engineering 4. Project Year(s): 2018-2020
 5. Type: Repair/Replace 6. Project Location: Various
 7. Contact Name: Brian Faust 8. Contact Phone: 368-3033

9. Project Description: Projects supports pavement management program activities. Project would be used to implement preventative maintenance activities such as crack sealing, surface sealing, panel repairs, strategic full depth patching, and other pavement repair strategies. Project location and activities will be identified through MicroPaver analysis and coordination with other infrastructure projects. The proposed funding source is excess funds from Phase 1 of the Countywide Half Cent Sales Tax.

10. Previous Funding: \$ - Total Funding: \$ 9,990,000.00 Future Funding: \$ -

11. Project Schedule and Estimate		
	Year	Amount
a. Design/Administrative Fees	2018-2020	\$ 500,000
b. Right-of Way		\$ -
c. Construction/Service Fees		\$ 9,090,000
d. Contingency		\$ 400,000
e. Technology		\$ -
f. Financing Costs (Temp Notes)		\$ -
g. Cost of Issuance (Rev/GO Bonds)		\$ -
h. Debt Reserve Fund (Rev Bonds)		\$ -
i. Capitalized Interest		\$ -
Project Total		\$ 9,990,000
Estimated Life of Item (years):	<u>30</u>	
Source of Estimate/Year:	<u>2017</u>	

12. Estimated Annual Operating Cost
 Basis for Cost Estimate and Funding Source:
 The funding source for street repair work is primarily Motor Fuel Tax. This project should provide a net reduction in operating costs by improving deteriorated infrastructure elements.

13. Amount by source of financing						
	1. Countywide Half Cent Sales Tax (Phase 1 Excess)	2.	3.	4.	5.	TOTAL
2018	3,330,000					\$3,330,000
2019	3,330,000					\$3,330,000
2020	3,330,000					\$3,330,000
2021						\$0
2022						\$0
5 Year Total:	\$9,990,000	\$0	\$0	\$0	\$0	\$9,990,000



Appendix

2018-2027 FUTURE FUNDING LIST



The City has far more infrastructure needs than funding available. Below is a nonexclusive list of currently unfunded projects. These are projects that have been identified as potential projects in the next 5 –10 years, but are not included in the Capital Improvement Plan due to funding constraints. Note there may be additional unfunded projects that aren't included below. This list is a "living document" which will be added to throughout the year and considered each year with the next CIP process.

2018-2027 CIP Future Funding List (Currently Unfunded)			
Project Title	Type	Estimated Cost	Reason
SW Huntoon Street – SW Executive Drive to SW Urish Road	Street	\$ 3,800,000	Road Expansion, Future Residential Devel.
Replacement of Medians	Street	\$ 300,000	Maintenance
Union Pacific Railroad Pedestrian Crossing N. Ks Ave./NOTO	Street	\$ 1,300,000	Safety
Southwest Parkway – SW Gage Blvd. to SW Wanamaker Road	Street	\$ 11,000,000	New Road Construction, Future Development
SW Fairlawn Road – SW 37 th Street to Southwest Parkway	Street	\$ 2,800,000	New Road Construction, Future Development
SW Urish Road – SW 21 st Street to SW 29 th Street	Street	\$ 5,400,000	Road Expansion
SW Urish Road – SW 17 th Street to SW Huntoon Street	Street	\$ 3,000,000	Road Expansion, Future Development
SW 45 th Street – SW Gage Blvd. to SW Burlingame Road	Street	\$ 6,500,000	Road Expansion, Future Residential Devel.
SW 49 th Street – SW Topeka Blvd. to SW Wenger Road	Street	\$ 3,000,000	Road Expansion, Future Industrial Devel.
SW 57 th Street – SW Topeka Blvd. to Hwy 75	Street	\$ 5,200,000	Road Expansion, Future Industrial Devel.
SE Indiana Avenue – SE 42 nd Street to SE 45 th Street	Street	\$ 1,500,000	New Road Construction, Future Resid. Devel.
NW Tyler Street – NW Beverly Street to NW Paramore Street	Street	\$ 1,500,000	Road Expansion
S. Topeka Blvd. from 37 th Street to 49 th Street	Street	\$ 5,200,000	Maintain Existing Street
S. Kansas Avenue from 10 th Street to 19 th Street	Street	\$ 4,000,000	Maintain Existing Street
SW 29 th Street from Burlingame Road to Topeka Blvd.	Street	\$ 2,000,000	Maintain Existing Street
S. Topeka Blvd from 21 st Street to 29 th Street	Street	\$ 4,000,000	Maintain Existing Street
SW 21 st Street from I-470 Bridges To Fairlawn Road	Street	\$ 2,000,000	Maintain Existing Street
SE Quincy Street from 6 th Street to 10 th Street	Street	\$ 1,500,000	Maintain Existing Street
SW Gage Blvd. from I-70 to 6 th Street	Street	\$ 2,200,000	Maintain Existing Street
SW 6 th Avenue from Wanamaker Road west to Museum Drive	Street	\$ 1,500,000	Maintain Existing Street
SE 29 th Street from Kansas Avenue to Adams Street	Street	\$ 2,500,000	Maintain Existing Street
SW Fairlawn Road from 23 rd Street to 29 th Street	Street	\$ 3,000,000	Maintain Existing Street
Council Chamber Renovation	PW	\$ 300,000	Unfunded
TPAC Renovations	PW	\$ 1,874,000	Unfunded
OnBase (ECM) & Document Preservation	PW	\$ 325,000	Unfunded
Sustainability Initiative: High Efficiency LEDs	PW	\$ 903,400	Unfunded
SW 49 th Street – SW Topeka Blvd. to SW Wenger Road (no access to Hwy75)	Street	\$ 3,000,000	Road Expansion, Future Industrial - Development driven
SW 57 th Street – SW Topeka Blvd. to Hwy 75 (has access to Hwy75)	Street	\$ 5,200,000	Road Expansion, Future Industrial - Development driven
SE Indiana Avenue – SE 42 nd Street to SE 45 th Street	Street	\$ 1,500,000	New Road Construction
Southwest Parkway – SW Gage Blvd. to SW Wanamaker Road	Street	\$ 11,000,000	New Road Construction, Future - Development driven
SW Fairlawn Road – SW 37 th Street to Southwest Parkway	Street	\$ 2,800,000	New Road Construction, Future - Development driven
SW 17 th Street - Adams to Washburn	Street	\$ 8,300,000	Capacity Increase
SW 45 th Street – SW Gage Blvd. to SW Burlingame Road (portion in County)	Street	\$ 6,500,000	Road Expansion, Future Residential - Development driven
Annual Wastewater Lining & Replacement Program	Utilities	\$ 8,000,000	For utilities to maintain 100 year replacement cycle
Annual Wastewater Lining & Replacement Program	Utilities	\$ 7,000,000	For utilities to maintain 100 year replacement cycle
Annual Wastewater Lining & Replacement Program	Utilities	\$ 6,000,000	For utilities to maintain 100 year replacement cycle
Annual Wastewater Lining & Replacement Program	Utilities	\$ 5,000,000	For utilities to maintain 100 year replacement cycle
Annual Wastewater Lining & Replacement Program	Utilities	\$ 2,000,000	For utilities to maintain 100 year replacement cycle
Annual Wastewater Lining & Replacement Program	Utilities	\$ 2,000,000	For utilities to maintain 100 year replacement cycle
Annual Wastewater Lining & Replacement Program	Utilities	\$ 1,000,000	For utilities to maintain 100 year replacement cycle
Annual Storm Conveyance System Rehab	Utilities	\$ 5,500,000	For utilities to maintain 100 year replacement cycle
Annual Storm Conveyance System Rehab	Utilities	\$ 5,500,000	For utilities to maintain 100 year replacement cycle
Annual Storm Conveyance System Rehab	Utilities	\$ 5,500,000	For utilities to maintain 100 year replacement cycle
Annual Storm Conveyance System Rehab	Utilities	\$ 5,500,000	For utilities to maintain 100 year replacement cycle
Annual Storm Conveyance System Rehab	Utilities	\$ 5,500,000	For utilities to maintain 100 year replacement cycle
Annual Storm Conveyance System Rehab	Utilities	\$ 5,500,000	For utilities to maintain 100 year replacement cycle
Annual Storm Conveyance System Rehab	Utilities	\$ 5,200,000	For utilities to maintain 100 year replacement cycle
Annual Storm Conveyance System Rehab	Utilities	\$ 3,000,000	For utilities to maintain 100 year replacement cycle
Annual Storm Conveyance System Rehab	Utilities	\$ 3,000,000	For utilities to maintain 100 year replacement cycle
Annual Storm Conveyance System Rehab	Utilities	\$ 3,000,000	For utilities to maintain 100 year replacement cycle
Annual Storm Conveyance System Rehab	Utilities	\$ 3,000,000	For utilities to maintain 100 year replacement cycle



2018-2027 CIP Future Funding List (Currently Unfunded)

Project Title	Type	Estimated Cost	Reason
Annual Shunga Flood Mitigation Program	Utilities	\$ 3,405,000	For utilities to maintain 100 year replacement cycle
Annual Shunga Flood Mitigation Program	Utilities	\$ 3,405,000	For utilities to maintain 100 year replacement cycle
Annual Shunga Flood Mitigation Program	Utilities	\$ 3,405,000	For utilities to maintain 100 year replacement cycle
Annual Shunga Flood Mitigation Program	Utilities	\$ 3,405,000	For utilities to maintain 100 year replacement cycle
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Annual Shunga Flood Mitigation Program	Utilities	\$ 3,405,000	For utilities to maintain 100 year replacement cycle
Annual Shunga Flood Mitigation Program	Utilities	\$ 3,405,000	For utilities to maintain 100 year replacement cycle
Annual Shunga Flood Mitigation Program	Utilities	\$ 3,405,000	For utilities to maintain 100 year replacement cycle
Annual Water Main Replacement Program	Utilities	\$ 7,000,000	For utilities to maintain 100 year replacement cycle
Annual Water Main Replacement Program	Utilities	\$ 7,000,000	For utilities to maintain 100 year replacement cycle
Annual Water Main Replacement Program	Utilities	\$ 7,000,000	For utilities to maintain 100 year replacement cycle
Annual Water Main Replacement Program	Utilities	\$ 5,500,000	For utilities to maintain 100 year replacement cycle
Annual Water Main Replacement Program	Utilities	\$ 6,000,000	For utilities to maintain 100 year replacement cycle
Annual Water Main Replacement Program	Utilities	\$ 4,500,000	For utilities to maintain 100 year replacement cycle
Annual Water Main Replacement Program	Utilities	\$ 6,000,000	For utilities to maintain 100 year replacement cycle
Annual Water Main Replacement Program	Utilities	\$ 6,500,000	For utilities to maintain 100 year replacement cycle
Annual Water Main Replacement Program	Utilities	\$ 6,500,000	For utilities to maintain 100 year replacement cycle
Annual Water Main Replacement Program	Utilities	\$ 7,000,000	For utilities to maintain 100 year replacement cycle
Annual Water Plant Rehabilitation Program	Utilities	\$ 1,500,000	For utilities to maintain 100 year replacement cycle
Annual Water Plant Rehabilitation Program	Utilities	\$ 1,500,000	For utilities to maintain 100 year replacement cycle
Annual Water Plant Rehabilitation Program	Utilities	\$ 1,500,000	For utilities to maintain 100 year replacement cycle
Annual Water Plant Rehabilitation Program	Utilities	\$ 1,500,000	For utilities to maintain 100 year replacement cycle
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Annual Water Plant Rehabilitation Program	Utilities	\$ 1,500,000	For utilities to maintain 100 year replacement cycle
Annual Water Plant Rehabilitation Program	Utilities	\$ 1,500,000	For utilities to maintain 100 year replacement cycle
Annual Water Plant Rehabilitation Program	Utilities	\$ 1,500,000	For utilities to maintain 100 year replacement cycle
2.0-MG East Elevated Tank - SE California Avenue	Utilities	\$ 4,180,000	For utilities to maintain 100 year replacement cycle
Fleet Replacement	PW	\$ 17,500,000	Unfunded
Pavement Management Rehabilitation & Reconstruction Program (Micropaver) - Program will perform pavement rehabilitation work such as mill and overlays, overlays, panel repairs, and reconstruction work necessary to achieve desire Pavement Condition Index Goals.	Street	\$ 55,205,000	Future funding source is not determined, but will likely be a combination of sales tax, general fund, and other sources. Funding level is based on achieving a PCI of 70 over a ten year period.
City Hall Pocket Park	PW	\$ 300,000	Unfunded
Sum:		\$ 379,837,400	



WHAT IS THE CIP?

The Capital Improvement Plan (CIP) is a 10-year program for building and of paying for improvements to streets, quality of life, utility and other projects.

A GREAT PLACE TO GROW POTATOES

For more information call or visit at topeka.org/CIP