

2016-2020 Proposed Capital Improvement Plan

City of Topeka, Kansas
Proposed March 10, 2015

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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 last year's 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.

The following pages represent a summary of those projects scheduled to commence during the 2016 - 2018 budget years along with tables showing the proposed five-year Capital Improvement Plan. 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 has continued to follow this philosophy.

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.



Impact of Capital Improvement Projects on the Operating Budget

The projects approved for 2016-2020 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 a prioritization activity as needed which prioritized requested projects based on a number of criteria.

The prioritization criteria used in the CIP process include: Fiscal Impact, Health, Safety, and Environment, Economic Viability and Return on Investment, and Comprehensive Plan and Smart Growth. The full prioritization process was completed for the 2015-2019 CIP, and updated for the 2016-2020 CIP as necessary. Results from the exercise were used to compile the recommended 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

In January 2015, City staff compiled a 10 year CIP history capturing completed projects from 2004-2014. It is intended this will be updated annually.

2016-2020 CIP Calendar

Item	Date
Staff Submits 2016-2020 CIP Requests	Dec. 2014
CIP Presented to Planning Commission	1/21/2015
CIP Approved by Planning Commission	2/16/2015
CIP Presented to City Council	3/10/2015
Resolution and Project Budgets approved by Council (<i>tentative</i>)	3/17/2015

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 2016-2020 CIP: \$10,750,000

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 2016-2020 CIP: \$11,835,636

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

Funding source - G.O. Bonds.

Traffic 2016-2020 CIP: \$4,683,800

Projects to improve traffic signal and traffic safety.

Funding source - G.O. Bonds.

Facilities 2016-2020 CIP: \$3,362,500

Projects to improve City facilities.

Funding source - G.O. Bonds and Cash

Streets 2016-2020 CIP: \$113,975,000

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 2016-2020 CIP: \$11,443,306

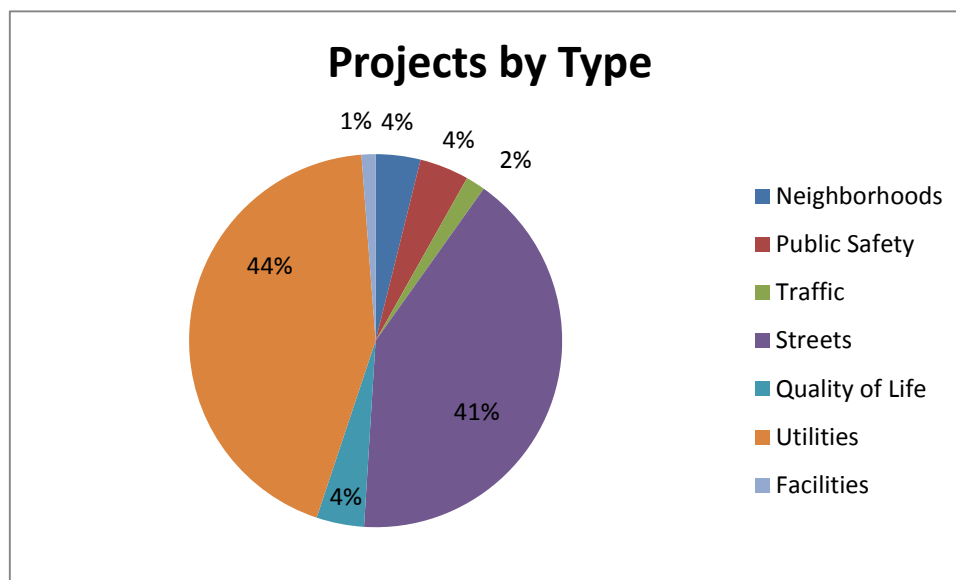
Projects that benefit quality of life including improvements to the Topeka Zoo.

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

Utilities 2016-2020 CIP: \$120,949,824

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 2016-2020 CIP include:

- **SE California Avenue, 33rd Street to 37th:** This project constructs new three lane pavement on SE California and will include curb & gutter, sidewalks, street lighting, and a drainage system.
- **Construction of South Fire Station (Station 14):** Design will begin in 2016 for a Fire Station in the Southern part of the city, location to be determined.
- **Municipal Building Renovations:** Upgrades to City Hall including HVAC and piping updates.
- **Oakland Wastewater Treatment Plant Solids Handling/Facility Upgrades Phase II:** 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 and mechanical and electrical controls.
- **Parking Garage System Upgrades:** Replacement of existing parking maintenance management system as well as gate/entry and existing automated systems and related hardware.
- **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.
- **Kansas River Weir Retrofit:** Retrofit the current dam in order to enhance public safety , provide reasonable fish passage, maintain adequate upstream pool elevation for the intake and pumps, and provide navigation through the weir.

Recurring Capital Projects

Some projects are ongoing and reoccur every year. Highlighted recurring major projects in the 2016-2020 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 2016-2020 CIP: \$43,754,066

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 2016-2020 CIP: \$102,799,824*

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 2016-2020 CIP: \$84,050,000

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 \$13.8m per year.

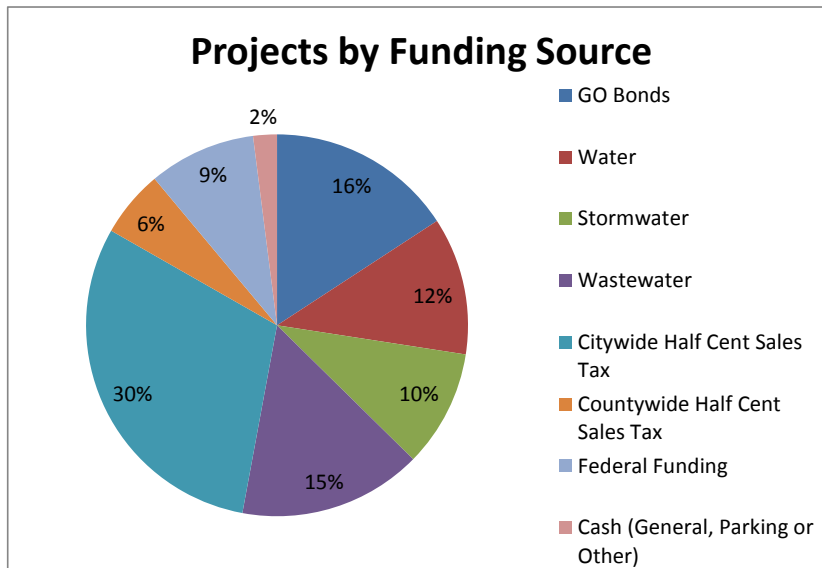
Countywide Half-Cent Street Sales Tax 2016-2020 CIP: \$15,700,000 This is funded by a voter approved half-cent sales tax initiative. A new addition to the CIP, these projects represent what is proposed to be completed with the second round of funds collected from 2017-2031.

Federal Funds 2016-2020 CIP: \$25,125,000

Funds received from the Federal government.

Cash To be Determined based on Availability

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



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.

	Capital Improvement Budget			Capital Improvement Plan		
	Adopted	Adopted	Proposed	Proposed	Proposed	5 Year
	2016	2017	2018	2019	2020	Total
General Obligation Bond Projects						
Neighborhoods						
Neighborhood Infrastructure	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$7,000,000
Public Safety						
South Fire Station (FS #14)	\$263,187	\$1,968,407	\$1,436,007			\$3,667,600
Secure Staging Facility					\$750,000	\$750,000
Purchase 1 Truck Apparatus (Truck 10)		\$705,500				\$705,500
Purchase Two Engine Apparatus (Engines 1 & 12)			\$1,349,500			\$1,349,500
Purchase One Aerial Apparatus				\$1,378,000		\$1,378,000
Purchase Two Engine Apparatus (Engines 8 & 10)					\$1,417,500	\$1,417,500
Traffic						
Traffic Safety Projects	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$925,000
Traffic Signal Replacement	\$640,000		\$640,000	\$640,000	\$640,000	\$2,560,000
Traffic Signal Communication System Upgrade	\$1,198,800					\$1,198,800
Streets						
Complete Streets	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Citywide Infrastructure	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
SW 37th Street -- SW Burlingame Rd to Gage Blvd.	\$300,000					\$300,000
SE California Ave. -- 33rd St. to 37th St.	\$3,300,000					\$3,300,000
SE California Ave. -- 29th St. to 33rd St.	\$200,000	\$2,200,000	\$500,000			\$2,900,000
Bike Lanes on SE 6th & SE 10th Ave Bridges over I-70					\$500,000	\$500,000
SW Arvon Place/Huntoon Street/I-470 Ramps	\$500,000	\$1,000,000	\$500,000			\$2,000,000
Infill Sidewalks/Pedestrian Master Plan	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
SW 10th Avenue -- SW Fairlawn Road to SW Wanamaker Road		\$400,000	\$240,000	\$4,360,000	\$1,000,000	\$6,000,000
SE 29th Street/KTA Interchange					\$500,000	\$500,000
Quality of Life						
Zoo Green House and Storage Building	\$154,200					\$154,200
Zoo Service Road Repair		\$212,520				\$212,520
Zoo Parking Lot			\$377,396			\$377,396
Zoo Rain Forest HVAC				\$184,800		\$184,800
Zoo Discovering Apes Roof Replacement					\$173,250	\$173,250
City Facilities						
Municipal Building Renovations & Mechanical System Upgrades	\$50,000	\$125,000	\$1,025,000			\$1,200,000
Facility Improvements					\$1,000,000	\$1,000,000
TOTAL GO Bond Projects	\$8,991,187	\$8,996,427	\$8,452,903	\$8,947,800	\$8,365,750	\$43,754,066
Total Annual Target	\$9,000,000	\$9,000,000	\$9,000,000	\$9,000,000	\$9,000,000	\$45,000,000
Difference Target to Subtotal	\$8,813	\$3,574	\$547,098	\$52,200	\$634,250	\$1,245,934



Capital Improvement Budget			Capital Improvement Plan		
Adopted 2016	Adopted 2017	Proposed 2018	Proposed 2019	Proposed 2020	5 Year Total

Utility Funded Projects

Utilities/Wastewater Fund						
Wastewater Replacement Program	\$1,500,000	\$2,000,000	\$2,000,000			\$5,500,000
Oakland WWTP - Headworks Generator	\$850,000					\$850,000
Adams St IS Rehabilitation	\$450,000	\$1,550,000				\$2,000,000
Lining Repairs - NTWWTP and Wanamaker PS		\$321,586	\$1,178,414			\$1,500,000
NTWWTP Solids Handling - South Wall Replacement		\$376,586	\$1,123,414			\$1,500,000
Eastside IS-Relief-CSO#3 to Ash St PS			\$900,000	\$7,448,760		\$8,348,760
NTWWTP Nutrient Removal			\$6,363,627			\$6,363,627
Oakland WWTP - UV Expansion				\$2,703,750		\$2,703,750
Wastewater Plant Operations Equipment & Fleet Maint. & Replacement Program	\$100,000	\$300,000	\$100,000	\$300,000	\$100,000	\$900,000
WPC Inflow & Infiltration Program	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
Oakland Wastewater Treatment Plant Solids Handling/Facility Upgrades Phase II	\$1,425,000	\$8,098,274				\$9,523,274
Neighborhood Programs	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Combined Sewer Overflow Management Plan	\$300,000	\$300,000				\$600,000
Utilities/Stormwater Fund						
Storm Conveyance System Rehab	\$3,000,000	\$3,000,000				\$6,000,000
Kansas River Levee System Rehabilitation - Ph. II	\$4,300,000	\$3,600,000	\$2,700,000			\$10,600,000
Levee Repairs	\$573,800	\$4,726,700				\$5,300,500
Adams St IS SW Removal	\$543,172	\$2,456,828				\$3,000,000
Stormwater Operations Equipment & Fleet Mant. & Replacement Program	\$300,000	\$100,000	\$300,000	\$100,000	\$300,000	\$1,100,000
Drainage Correction Program	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000
Utilities/Water Fund						
Water Main Replacement Program	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$12,500,000
Crane at Jefferson-East to Seward/Strait	\$726,565					\$726,565
California - 33rd to 41st	\$625,362					\$625,362
Southeast Elevated Tank - SE 41st St	\$166,484	\$416,210	\$3,442,806			\$4,025,500
37th St. - Kentucky to California	\$1,558,700					\$1,558,700
Water Plant Rehabilitation Program	\$800,000					\$800,000
Topeka Blvd- University to Ormsby	\$744,400	\$1,960,646				\$2,705,046
Indian Hills Rd., SW 29th to 21st St.		\$2,110,100	\$1,000,000			\$3,110,100
Booster Pump Station (Meridan and Norwood)		\$550,000				\$550,000
Water Plant Operations Equipment & Fleet Maint. & Replacement Program	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000
Crane, NE Harrison to Jefferson to 2nd to Seward / Branner	\$2,758,900	\$1,399,740				\$4,158,640
Total Utility Fund	\$24,472,383	\$37,016,670	\$22,858,261	\$14,302,510	\$4,150,000	\$102,799,824



Capital Improvement Budget			Capital Improvement Plan		
Adopted 2016	Adopted 2017	Proposed 2018	Proposed 2019	Proposed 2020	5 Year Total

Other Funding Sources

City Half-Cent Sales Tax Street Repair

Maintain & Improve Existing Streets	\$14,300,000	\$14,500,000	\$14,700,000	\$14,900,000	\$15,100,000	\$73,500,000
ADA Street Curb Repair	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000
Curbs, Gutters and Street Maintenance and Repair	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$7,500,000
Alley Repair	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
Sidewalk Repair 50-50	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000

Federal Funds

Bridge on Cherokee St over Ward Cr.	\$70,000	\$50,000	\$730,000			\$850,000
Bridge on 3rd St over Ward Cr.		\$75,000	\$50,000	\$750,000		\$875,000
Bridge on SE 29th Street over Butcher Creek			\$80,000	\$70,000	\$850,000	\$1,000,000
Neighborhoods (Housing Portion)	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$3,000,000
Kansas River Levee System Rehabilitation - Ph. II	\$9,000,000	\$7,000,000	\$2,900,000			\$18,900,000
Upstream River Weir (Federal Portion)		\$500,000				\$500,000

General Fund Cash

Cyrus K. Holliday Building Boiler/carpet replacement	\$112,500					\$112,500
TFD Stations Renovations	\$60,000	\$120,000	\$180,000			\$360,000
Police Department Fleet Replacement	\$850,000	\$550,000	\$550,000	\$250,000	\$250,000	\$2,450,000
Zoo Digital X-Ray	\$91,140					\$91,140
Law Enforcement Building - Surveillance System	\$117,536					\$117,536

Parking Fund Cash

Parking Garage Systems (Hardware and software) Upgrades	\$690,000					\$690,000
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Cash (To be Determined)

Upstream River Weir (Cash and Donations Portion)	\$350,000	\$1,400,000				\$1,750,000
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Countywide Sales Tax Proposal (2017-2031)

SW 6th-Gage to Fairlawn		\$500,000	\$5,100,000			\$5,600,000
Zoo Master Plan			\$1,500,000	\$1,500,000	\$5,000,000	\$8,000,000
Bikeway Master Plan			\$300,000		\$600,000	\$900,000
12th Street (2 lanes) - Gage to Kansas Ave				\$500,000	\$300,000	\$800,000
SE California-37th-45th					\$400,000	\$400,000

Total Other Sources	\$28,351,176	\$27,405,000	\$28,800,000	\$20,680,000	\$25,210,000	\$130,446,176
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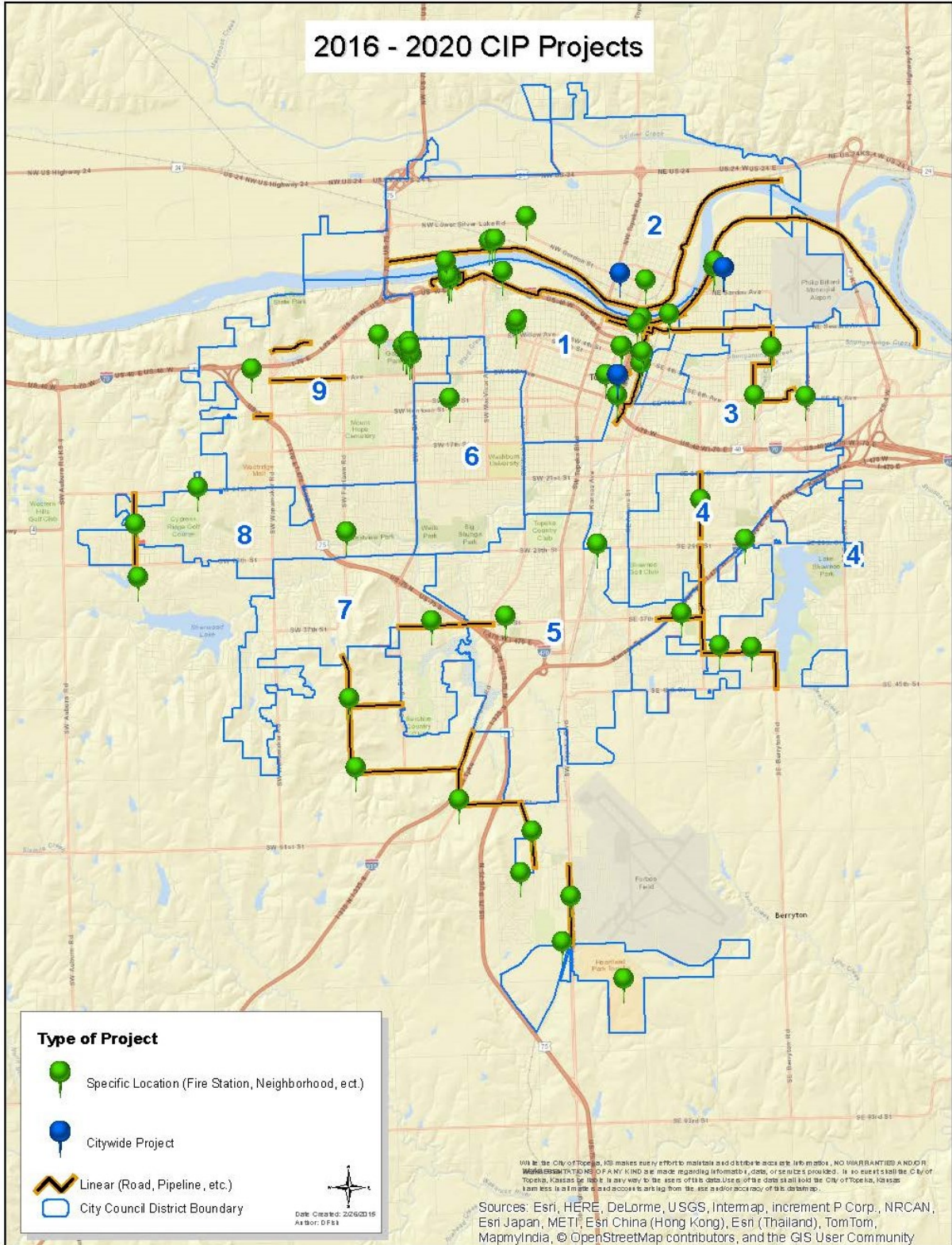
Total Capital Improvements

	\$ 61,814,746	\$ 73,418,097	\$ 60,111,163	\$ 43,930,310	\$ 37,725,750	\$ 277,000,066
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MAP OF PROJECTS



Capital Improvement Plan projects occur throughout the City. Below is a map showing where the 2016-2020 projects will occur. Note that Citywide projects, like half-cent sales tax projects, will occur in multiple locations but are represented by a single blue 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 November 23, 2004, the governing body of Topeka approved resolution number 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

This policy was created 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 benchmarks are as follows:

- Net debt per capita should remain under \$950
- Net debt as a % of assessed valuation should not exceed 13%
- Ratio of debt payments as a % of governmental fund expenditures should not exceed 14%

- Debt per capita as a % of personal income per capita should not exceed 5%
- Maintain a General Fund balance equal to no less than 10% of revenue for the preceding year
- Maintain a bond credit rating of
 - a. General Obligation Bonds rate "Aa3"
 - b. Revenue Bonds rated "A2"
 - c. General Obligation Temporary Notes rated "Mig-1"
- Maintain a minimum ratio of Combined Utility Fund revenues to annual total revenue bond debt service requirements of 125%, and maintain operating reserves of 90 days.

Note current bond ratings can be found at Topeka.org.

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, 2014 the City had \$387,604,808 in total debt, compared to \$388,463,077 on December 31, 2013 or a .22% decrease. 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 December 31, 2014, the City had \$281,148,740 of its remaining bonding authority available, an increase of approximately .90% over the December 31, 2013 amount of \$278,638,098. The City is currently utilizing 17% of the debt authority as

Statement of Legal Debt Limit as of December 31, 2014

A 2013 Tangible Assessed Valuation	\$ 1,135,205,618
B Debt Limit- 30% of Assessed Valuation (A*.3=B)	\$ 340,561,685
Bonded Indebtedness	\$ 163,265,000
Temporary Notes	\$ 33,390,000
C Total Net Debt	\$ 196,655,000
D Less Exemptions Allowed by Law	\$ 137,242,055
E Legal Debt Applicable to Debt Margin (C-D=E)	\$ 59,412,945
F Debt Authority Remaining (B-E=F)	\$ 281,148,740



Neighborhood Projects

City of Topeka

Capital Improvement Project Summary

1. Project Title: Neighborhood Infrastructure

2. Dept./Div: Public Works/Engineering/Neighborhood Relations 3. Project Year(s): 2016-2020 (Annual)

4. Type: New Repair/Replace X 5. Project Location: Various locations

6. Contact Name: Shawn Bruns/Sasha Stiles 7. Contact Phone: 368-3033 & 368-4484

7. 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, those being North Topeka West and Hi-Crest in 2016 and 2017. 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 rehab and construction.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source: The	
a. Design/Administrative Fees	Annual	\$ 100,000	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		50,000		
e. Financing Costs (Temp Notes)		60,000		
f. Cost of Issuance (Rev/GO Bonds)		30,000		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 2,150,000		
Estimated Life of Item (years):	<u>15-30 years</u>			
Source of Estimate/Year:	<u>City Engineering</u>			

11. Amount by source of financing

	1. G.O. Bonds	2. Federal Funding	3. Wastewater Cash	4.	5.	TOTAL
2016	1,400,000	600,000	150,000			\$2,150,000
2017	1,400,000	600,000	150,000			\$2,150,000
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
TOTAL	\$7,000,000	\$3,000,000	\$750,000	\$0	\$0	\$10,750,000



Public Safety Projects

City of Topeka

Capital Improvement Project Summary

1. Project Title: South Fire Station, Design and Construction

2. Dept/Div: Fire 3. Project Year(s): 2016-2018

4. Type: New X Repair/Replace 5. Project Location: South Topeka Area

6. Contact Name: Chief Greg Bailey 7. Contact Phone: 368-4000

7. Project Description: Funds will be used for the acquisition of land, design and construction of a fire station in the South part of the City (Station # 14). Location and operating costs are to be determined.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	2016	\$ 313,318	To be determined.	
b. Right-of Way		-		
c. Construction/Service Fees	2017-2018	2,955,835		
d. Contingency		250,655		
e. Financing Costs (Temp Notes)		88,675		
f. Cost of Issuance (Rev/GO Bonds)		59,117		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 3,667,600		
Estimated Life of Item (years):	30-50 years			
Source of Estimate/Year:	Staff Estimates			

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	263,187					\$263,187
2017	1,968,407					\$1,968,407
2018	1,436,007					\$1,436,007
2019						\$0
2020						\$0
TOTAL	\$3,667,600	\$0	\$0	\$0	\$0	\$3,667,600

City of Topeka

Capital Improvement Project Summary

1. Project Title: Secure Staging Facility

2. Dept/Div: Fire 3. Project Year(s): 2020

4. Type: New X Repair/Replace 5. Project Location: 324 SE Jefferson (station 3 area)

6. Contact Name: Chief Greg Bailey 7. Contact Phone: 368-4000

7. Project Description: The secure staging facility would be located on our training grounds at 300 SE Jefferson. It would be a 70' x 100' Morton style insulated, climate controlled (heat), 5 bay structure. The facility would be used to stage / secure our reserve apparatus, rehabilitation trailer, antique apparatus, public education trailer and other high value items currently stored outside.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	2020	\$ 25,000	To be determined.	
b. Right-of Way		-		
c. Construction/Service Fees		451,757		
d. Contingency		250,655		
e. Financing Costs (Temp Notes)		13,553		
f. Cost of Issuance (Rev/GO Bonds)		9,035		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 750,000		
Estimated Life of Item (years): 30-50 years				
Source of Estimate/Year: Staff Estimates				

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018						\$0
2019						\$0
2020	750,000					\$750,000
TOTAL	\$750,000	\$0	\$0	\$0	\$0	\$750,000

City of Topeka

Capital Improvement Request Form

1. Project Title: One truck Apparatus (Truck 10)

2. Dept/Div: Fire

3. Project Year(s): 2017

4. Type : New X Repair/Replace

5. Project Location: Station 10

6. Contact Name : Buck Breckenridge

7. Contact Phone: 368-0111

7. Project Description: This truck company will replace truck 10. The department's goal is to upgrade front line truck companies to ensure no engine company is older than twelve years of age.

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ -
b. Right-of Way		-
c. Construction/Service Fees	2017	663,170
d. Contingency		-
e. Financing Costs (Temp Notes)		28,220
f. Cost of Issuance (Rev/GO Bonds)		14,110
g. Debt Reserve Fund (Rev Bonds)		-
h. Capitalized Interest		-
Project Total		\$ 705,500

Estimated Life of Item (years): 12 Years

Source of Estimate/Year: Staff estimate using recent apparatus purchases

11. Amount by source of financing

	G.O. Bond	2.	3.	4.	5.	TOTAL
2016						\$0
2017	705,000					\$705,000
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$705,000	\$0	\$0	\$0	\$0	\$705,000

City of Topeka

Capital Improvement Request Form

1. Project Title: Two Engine Apparatuses (Engines 1 and 12)

2. Dept/Div: Fire 3. Project Year(s): 2018

4. Type : New X Repair/Replace 5. Project Location: Station 1 and 12

6. Contact Name : Buck Breckenridge 7. Contact Phone: 368-0111

7. Project Description: These engines will replace engine 1 and 12. The department's goal is to upgrade front line engine companies to ensure no engine company is older than twelve years of age.

9. Project Schedule and Estimate

	Year	Amount
a. Design/Administrative Fees	\$	-
b. Right-of Way		-
c. Construction/Service Fees	2018	1,268,530
d. Contingency		-
e. Financing Costs (Temp Notes)		53,980
f. Cost of Issuance (Rev/GO Bonds)		26,990
g. Debt Reserve Fund (Rev Bonds)		-
h. Capitalized Interest		-
Project Total		\$ 1,349,500
Estimated Life of Item (years):	<u>12 Years</u>	
Source of Estimate/Year:	<u>Staff estimates using recent apparatus purchases</u>	

11. Amount by source of financing

	G.O. Bond	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018	1,349,500					\$1,349,500
2019						\$0
2020						\$0
TOTAL	\$1,349,500	\$0	\$0	\$0	\$0	\$1,349,500

City of Topeka

Capital Improvement Request Form

1. Project Title: One Aerial Apparatus (Aerial 8)

2. Dept/Div: Fire 3. Project Year(s): 2019

4. Type : New X Repair/Replace 5. Project Location: Station 8

6. Contact Name : Buck Breckenridge 7. Contact Phone: 368-0111

7. 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.

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ -
b. Right-of Way		-
c. Construction/Service Fees	2019	1,300,000
d. Contingency		-
e. Financing Costs (Temp Notes)		52,000
f. Cost of Issuance (Rev/GO Bonds)		26,000
g. Debt Reserve Fund (Rev Bonds)		-
h. Capitalized Interest		-
Project Total		\$ 1,378,000

Estimated Life of Item (years): 12 Years

Source of Estimate/Year: Staff estimate using recent apparatus purchases

11. Amount by source of financing

	G.O. Bond	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018						\$0
2019	1,378,000					\$1,378,000
2020						\$0
TOTAL	\$1,378,000	\$0	\$0	\$0	\$0	\$1,378,000

City of Topeka

Capital Improvement Request Form

1. Project Title: Two Engine Apparatuses (Engines 8 and 10)

2. Dept/Div: Fire 3. Project Year(s): 2020

4. Type : New X Repair/Replace 5. Project Location: Station 8 and 10

6. Contact Name : Buck Breckenridge 7. Contact Phone: 368-0111

7. 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.

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		\$ -
b. Right-of Way		-
c. Construction/Service Fees	2020	1,332,450
d. Contingency		-
e. Financing Costs (Temp Notes)		56,700
f. Cost of Issuance (Rev/GO Bonds)		28,350
g. Debt Reserve Fund (Rev Bonds)		-
h. Capitalized Interest		-
Project Total		\$ 1,417,500
Estimated Life of Item (years):	<u>12 Years</u>	
Source of Estimate/Year:	<u>Staff estimates using recent apparatus purchases</u>	

11. Amount by source of financing

	G.O. Bond	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018						\$0
2019						\$0
2020	1,417,500					\$1,417,500
TOTAL	\$1,417,500	\$0	\$0	\$0	\$0	\$1,417,500



Traffic Projects

City of Topeka

Capital Improvement Project Summary

1. Project Title: Traffic Safety Projects

2. Dept/Div: Public Works -- Engineering / Traffic Operations 3. Project Year(s): 2016-2020

4. Type: New Repair/Replace X 5. Project Location: Various

6. Contact Name: Ron Raines / Shawn Bruns 7. Contact Phone: 368-0929 or 268-3033

7. 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, and installation of pedestrian flashers at a crosswalk.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>
a. Design/Administrative Fees	Annual	\$ 15,000	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	2016-2020	155,000	
d. Contingency		5,000	
e. Financing Costs (Temp Notes)		6,700	
f. Cost of Issuance (Rev/GO Bonds)		3,300	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 185,000	
Estimated Life of Item (years):	<u>30 years</u>		
Source of Estimate/Year:	<u>Eng. Div. -- 2014</u>		

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	185,000					\$185,000
2017	185,000					\$185,000
2018	185,000					\$185,000
2019	185,000					\$185,000
2020	185,000					\$185,000
TOTAL	\$925,000	\$0	\$0	\$0	\$0	\$925,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Traffic Signal Replacement
 2. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2016, 2018-2020 (Annual)
 4. Type : New Repair/Replace X 5. Project Location: Various
 6. Contact Name : Ron Raines / Shawn Bruns 7. Contact Phone: 368-0929 or 368-3033

7. Project Description: This project provides a replacement program for the 183 existing traffic signals located throughout the City. Four traffic signals are generally replaced annually allowing older, outdated traffic signals to be replaced with new systems having modern technology and meeting 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. In this CIP, one year (2017) is not proposed to be funded to allow for resources to be concentrated on the upgrade of the traffic signal upgrade.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u> 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).
a. Design/Administrative Fees	Annual	\$50,000	
b. Right-of Way		-	
c. Construction/Service Fees	Annual	530,000	
d. Contingency		21,000	
e. Financing Costs (Temp Notes)		26,000	
f. Cost of Issuance (Rev/GO Bonds)		13,000	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 640,000	
Estimated Life of Item (years): <u>30 years</u>			
Source of Estimate/Year: <u>Eng. Div. -- 2013</u>			

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	640,000					\$640,000
2017						\$0
2018	640,000					\$640,000
2019	640,000					\$640,000
2020	640,000					\$640,000
TOTAL	\$2,560,000	\$0	\$0	\$0	\$0	\$2,560,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Traffic Signal Communication System Upgrade
 2. Dept/Div: Public Works / Traffic Operations 3. Project Year(s): 2016
 4. Type: New Repair/Replace X 5. Project Location: Various locations
 6. Contact Name: Ron Raines 7. Contact Phone: 368-0929

7. Project Description: This project will upgrade the existing traffic signal communication system to a high speed Ethernet communication system. The current software package and communication system was installed in 2000 and will not be supported by the vendor after 2016. This upgrade will increase the function and monitoring capabilities of the traffic signal central system software, enable communication to all traffic signal system subsystems at local intersections, and enable the future expansion of the system for vehicle to infrastructure communication systems. The upgrade will also make the system meet Federal Highway Administration communication standards for traffic signal systems and will be accessible outside the city network.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u> There is no ongoing operating costs as it is a hardware change out and the Ethernet communication system is provided by IT.
a. Design/Administrative Fees			
b. Right-of Way			
c. Construction/Service Fees	2016	1,073,800	
d. Contingency		70,000	
e. Financing Costs (Temp Notes)		35,000	
f. Cost of Issuance (Rev/GO Bonds)		20,000	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 1,198,800	
Estimated Life of Item (years):	<u>12 years</u>		
Source of Estimate/Year:	<u>Traffic Ops. -- 2014</u>		

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	1,198,800					\$1,198,800
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$1,198,800	\$0	\$0	\$0	\$0	\$1,198,800



Street Projects

City of Topeka

Capital Improvement Project Summary

1. Project Title: Complete Streets

2. Dept/Div: Public Works-- Engineering 3. Project Year(s): 2016-2020

4. Type: New Repair/Replace X 5. Project Location: Various

6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	Annual	\$ 8,000	Operating costs will be minimal.	
b. Right-of Way		-		
c. Construction/Service Fees	Annual	82,000		
d. Contingency		4,000		
e. Financing Costs (Temp Notes)		4,000		
f. Cost of Issuance (Rev/GO Bonds)		2,000		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 100,000		
Estimated Life of Item (years): <u>30 years</u>				
Source of Estimate/Year: <u>Eng. Div.-- 2014</u>				

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	100,000					\$100,000
2017	100,000					\$100,000
2018	100,000					\$100,000
2019	100,000					\$100,000
2020	100,000					\$100,000
TOTAL	\$500,000	\$0	\$0	\$0	\$0	\$500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Citywide Infrastructure

2. Dept/Div: Public Works-- Engineering 3. Project Year(s): 2016-2020

4. Type: New X Repair/Replace 5. Project Location: Various

6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. Project Description: This project provides for the construction of new infrastructure elements by providing the required matching funds for grant projects or providing additional funds for projects where funding for new elements must be determined as with citywide sales tax projects. The improvements can include such elements as sidewalks, bikeways or street widening.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	Annual	\$ 16,000	Operating costs will depend upon the type of infrastructure but should be minimal.	
b. Right-of Way		-		
c. Construction/Service Fees	Annual	160,000		
d. Contingency		-		
e. Financing Costs (Temp Notes)		12,000		
f. Cost of Issuance (Rev/GO Bonds)		8,000		
g. Debt Reserve Fund (Rev Bonds)		4,000		
h. Capitalized Interest		-		
Project Total		\$ 200,000		
Estimated Life of Item (years):	<u>15-30 years</u>			
Source of Estimate/Year:	<u>Eng. Div. -- 2014</u>			

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	200,000					\$200,000
2017	200,000					\$200,000
2018	200,000					\$200,000
2019	200,000					\$200,000
2020	200,000					\$200,000
TOTAL	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: SW 37th Street -- SW Burlingame Road to Gage Blvd.
 2. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2013-2016
 4. Type : New Repair/Replace X 5. Project Location: SW 37th St Burlingame to Gage
 6. Contact Name : Shawn Bruns 7. Contact Phone: 368-3033

7. Project Description: This project provides for the second phase of construction on SW 37th Street from SW Burlingame Road to SW Gage Blvd. The new roadway will include curb & gutter, sidewalks, street lighting and a drainage system. The project is expected to be constructed over two years from 2015 to 2016.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u> 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 maintained needs for a new pavement versus the existing deteriorated pavement.
a. Design/Administrative Fees	2013-14	\$560,000	
b. Right-of Way	2014	60,000	
c. Construction/Service Fees	2015-16	6,100,000	
d. Contingency	2015-16	100,000	
e. Financing Costs (Temp Notes)		140,000	
f. Cost of Issuance (Rev/GO Bonds)		140,000	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 7,100,000	
Estimated Life of Item (years): <u>30 years</u>			
Source of Estimate/Year: <u>Eng. Div. -- 2013</u>			

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	300,000					\$300,000
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$300,000	\$0	\$0	\$0	\$0	\$300,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: SE California Avenue -- SE 33rd Street to SE 37th Street
 2. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2016
 4. Type: New Repair/Replace X 5. Project Location: SE Calif. Ave. -- 33rd to 37th
 6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. Project Description: This project constructs new three lane pavement on SE California Avenue between SE 33rd Street and SE 37th Street and includes the intersection of SE California Avenue and SE 37th Street. The new roadway will include curb & gutter, sidewalks, street lighting and a drainage system.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	Year	Amount	Basis for Cost Estimate and Funding Source:
a. Design/Administ	2014-2015	\$ 300,000	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 the existing deteriorated pavement.
b. Right-of Way	2015	200,000	
c. Construction/Service Fees	2016	2,500,000	
d. Contingency		100,000	
e. Financing Costs (Temp Notes)		140,000	
f. Cost of Issuance (Rev/GO Bonds)		60,000	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 3,300,000	
Estimated Life of Item (years):	<u>30 years</u>		
Source of Estimate/Year:	<u>Eng. Div. -- 2013</u>		

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	3,300,000					\$3,300,000
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$3,300,000	\$0	\$0	\$0	\$0	\$3,300,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: SE California Avenue -- SE 29th Street to SE 33rd Street
 2. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2016-2018
 4. Type: New Repair/Replace X 5. Project Location: SE Calif. Ave. -- 29th to 33rd
 6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>
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 a new pavement versus the existing deteriorated pavement.
b. Right-of Way	2016	100,000	
c. Construction/Service Fees	2016-2018	2,500,000	
d. Contingency		100,000	
e. Financing Costs (Temp Notes)		140,000	
f. Cost of Issuance (Rev/GO Bonds)		60,000	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 2,900,000	
Estimated Life of Item (years): <u>30 years</u>			
Source of Estimate/Year: <u>Eng. Div. -- 2014</u>			

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	200,000					\$200,000
2017	2,200,000					\$2,200,000
2018	500,000					\$500,000
2019						\$0
2020						\$0
TOTAL	\$2,900,000	\$0	\$0	\$0	\$0	\$2,900,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Bike Lanes on SE 6th and SE 10th Avenue Bridges over I-70
2. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2020
4. Type: New X Repair/Replace 5. Project Location: SE 6th & SE 10th Bridges over I-70
6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. 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 KDOT 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.

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		
b. Right-of Way		-
c. Construction/Service Fees	2020	470,000
d. Contingency		-
e. Financing Costs (Temp Notes)		20,000
f. Cost of Issuance (Rev/GO Bonds)		10,000
g. Debt Reserve Fund (Rev Bonds)		-
h. Capitalized Interest		-
Project Total		\$ 500,000

Estimated Life of Item (years): 30 Years
 Source of Estimate/Year: Eng. Div. -- 2013

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018						\$0
2019						\$0
2020	500,000					\$500,000
TOTAL	\$500,000	\$0	\$0	\$0	\$0	\$500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: SW Arvon Place/Huntoon Street/I-470 Ramps
 2. Dept/Div: Public Works / Engineering 3. Project Year(s): 2016-2018
 4. Type: New Repair/Replace 5. Project Location: SW Arvon Pl./Huntoon/I-470
 6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. Project Description: This project will improve traffic operations, safety, and level of service in the area of SW Arvon 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 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2016-17	\$ 500,000	Operating costs include pavement markings and crack sealing. The primary funding source is Motor Fuel Tax.	
b. Right-of Way	2016-17	250,000		
c. Construction/Service Fees	2017-18	1,000,000		
d. Contingency		130,000		
e. Financing Costs (Temp Notes)		80,000		
f. Cost of Issuance (Rev/GO Bonds)		40,000		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 2,000,000		
Estimated Life of Item (years):		<u>30 years</u>		
Source of Estimate/Year:		<u>Eng. Div. -- 2014</u>		

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	500,000					\$500,000
2017	1,000,000					\$1,000,000
2018	500,000					\$500,000
2019						\$0
2020						\$0
TOTAL	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Infill Sidewalks/Pedestrian Master Plan

2. Dept/Div: Public Works / Engineering 3. Project Year(s): 2016-2020 (Annual)

4. Type: New X Repair/Replace 5. Project Location: Various locations

6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. Project Description: This project constructs new 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	Annual	\$ 35,000	Operating costs will be minimal.	
b. Right-of Way		-		
c. Construction/Service Fees		415,000		
d. Contingency		20,000		
e. Financing Costs (Temp Notes)		20,000		
f. Cost of Issuance (Rev/GO Bonds)		10,000		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 500,000		
Estimated Life of Item (years):	<u>30 years</u>			
Source of Estimate/Year:	<u>Eng. Div. -- 2014</u>			

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	500,000					\$500,000
2017	500,000					\$500,000
2018	500,000					\$500,000
2019	500,000					\$500,000
2020	500,000					\$500,000
TOTAL	\$2,500,000	\$0	\$0	\$0	\$0	\$2,500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: SW 10th Avenue -- SW Fairlawn Road to SW Wanamaker Road
 2. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2017-2020
 4. Type: New Repair/Replace X 5. Project Location: SW 10th Ave. Fairlawn to Wanamaker
 6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. 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.

9. Project Schedule and Estimate

	Year	Amount
a. Design/Administrative Fees	2017-2020	\$ 440,000
b. Right-of Way	2018-2020	200,000
c. Construction/Service Fees	2017-2020	4,900,000
d. Contingency		100,000
e. Financing Costs (Temp Notes)		240,000
f. Cost of Issuance (Rev/GO Bonds)		120,000
g. Debt Reserve Fund (Rev Bonds)		-
h. Capitalized Interest		-
Project Total		\$ 6,000,000

Estimated Life of Item (years): 30 years
 Source of Estimate/Year: Eng. Div. -- 2014

10. Est. 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.

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017	400,000					\$400,000
2018	240,000					\$240,000
2019	4,360,000					\$4,360,000
2020	1,000,000					\$1,000,000
TOTAL	\$6,000,000	\$0	\$0	\$0	\$0	\$6,000,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: SE 29th Street/KTA Interchange

2. Dept/Div: Public Works / Engineering 3. Project Year(s): 2020

4. Type: New X Repair/Replace 5. Project Location: SE 29th Street/KTA Intersection

6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. Project Description: This project will construct a new interchange on the Kansas Turnpike at SE 29th Street. The exact timeframe and cost of this project are unknown -- the project (design) is being placed in Year 2020 as a placeholder.

9. Project Schedule and Estimate		<u>Year</u>	<u>Amount</u>	10. Est. Annual Operating Cost
a. Design/Administrative Fees	2020	\$	500,000	Basis for Cost Estimate and Funding Source: Operating costs are unknown at this time.
b. Right-of Way				
c. Construction/Service Fees				
d. Contingency				
e. Financing Costs (Temp Notes)			-	
f. Cost of Issuance (Rev/GO Bonds)			-	
g. Debt Reserve Fund (Rev Bonds)			-	
h. Capitalized Interest			-	
Project Total			\$ 500,000	
Estimated Life of Item (years):	<u>30 years</u>			
Source of Estimate/Year:	<u>Eng. Div. -- 2014</u>			

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018						\$0
2019						\$0
2020	500,000					\$500,000
TOTAL	\$500,000	\$0	\$0	\$0	\$0	\$500,000



Quality of Life Projects

City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Green House and Storage Building
 2. Dept/Div: Zoo 3. Project Year(s): 2016
 4. Type : New X Repair/Replace 5. Project Location: Topeka Zoological Park
 6. Contact Name : Brendan Wiley 7. Contact Phone: 368-9131

7. Project Description: This project will construct a 40' by 60' green house / storage building in the zoo service area. Previously, the zoo has used green house space in Gage Park. However, access to that space is being reduced and no longer meets the needs of the zoo. In regards to storage, the zoo used a former animal barn on site to store event equipment, animal caging and supplies as well as seasonal equipment. Due to the continued deterioration of the old hoof stock barn and the construction of the zoo quarantine building, the old barn was removed from the property. This project would construct a 2,400 square foot building of which 800 square feet would be designated for green house and horticulture support. The zoo would expect to complete design and finalize budget, followed by construction.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	Year	Amount	\$10,000	
a. Design/Administrative Fees	2016	\$ 12,000	Basis for Cost Estimate and Funding Source: Estimate based on conversations with local contractors. Completion of project is not expected to increase operating costs.	
b. Right-of Way		-		
c. Construction/Service Fees	2016	120,000		
d. Contingency		12,000		
e. Financing Costs (Temp Notes)		7,200		
f. Cost of Issuance (Rev/GO Bonds)		3,000		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 154,200		
Estimated Life of Item (years):	<u>30</u>			
Source of Estimate/Year:	<u>2013</u>			

11. Amount by source of financing

	1. GO Bonds	2.	3.	4.	5.	TOTAL
2016	154,200					\$154,200
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$154,200	\$0	\$0	\$0	\$0	\$154,200

City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Service Road Repair

2. Dept/Div: Zoo 3. Project Year(s): 2017

4. Type: New Repair/Replace X 5. Project Location: Topeka Zoological Park

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

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

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	2017	\$ 12,880	This item will not increase annual operating costs.	
b. Right-of Way		-		
c. Construction/Service Fees	2017	184,000		
d. Contingency		-		
e. Financing Costs (Temp Notes)		11,040		
f. Cost of Issuance (Rev/GO Bonds)		4,600		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 212,520		
Estimated Life of Item (years): <u>30 Years</u>				
Source of Estimate/Year: <u>2014 Contractor Estimate</u>				

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017	212,520					\$212,520
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$212,520	\$0	\$0	\$0	\$0	\$212,520

City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Parking Lot Resurfacing and Enlargement
 2. Dept/Div: Zoo 3. Project Year(s): 2018
 4. Type: New Repair/Replace X 5. Project Location: Topeka Zoological Park
 6. Contact Name: Brendan Wiley 7. Contact Phone: 368-9131

7. 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 36 additional spots. This project will also benefit the Helen Hocker Theatre, Mini Train and the Big Gage Shelter House.

9. Project Schedule and Estimate		Year	Amount	10. Est. Annual Operating Cost
a. Design/Administrative Fees	2018	\$	22,873	Basis for Cost Estimate and Funding Source: This project will not increase annual operating costs.
b. Right-of Way			-	
c. Construction/Service Fees	2018		326,750	
d. Contingency			-	
e. Financing Costs (Temp Notes)			19,605	
f. Cost of Issuance (Rev/GO Bonds)			8,169	
g. Debt Reserve Fund (Rev Bonds)			-	
h. Capitalized Interest			-	
Project Total			\$ 377,396	
Estimated Life of Item (years):	<u>20 Years</u>			
Source of Estimate/Year:	<u>2014 Quote</u>			

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018	377,396					\$377,396
2019						\$0
2020						\$0
TOTAL	\$377,396	\$0	\$0	\$0	\$0	\$377,396

City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Tropical Rain Forest HVAC Replacement

2. Dept/Div: Zoo 3. Project Year(s): 2019

4. Type: New Repair/Replace X 5. Project Location: Topeka Zoological Park

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

7. 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	
a. Design/Administrative Fees	2019	\$ 11,200	Basis for Cost Estimate and Funding Source: This project will not increase annual operating costs.
b. Right-of Way		-	
c. Construction/Service Fees	2019	160,000	
d. Contingency		-	
e. Financing Costs (Temp Notes)		9,600	
f. Cost of Issuance (Rev/GO Bonds)		4,000	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 184,800	
Estimated Life of Item (years): <u>12 Years</u>			
Source of Estimate/Year: <u>2014 Bid for similar work</u>			

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018						\$0
2019	184,800					\$184,800
2020						\$0
TOTAL	\$184,800	\$0	\$0	\$0	\$0	\$184,800

City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Discovering Apes Building Roof Replacement
 2. Dept/Div: Zoo 3. Project Year(s): 2020
 4. Type: New Repair/Replace X 5. Project Location: Topeka Zoological Park
 6. Contact Name: Brendan Wiley 7. Contact Phone: 368-9131

7. 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.

9. Project Schedule and Estimate		<u>Year</u>		<u>Amount</u>	10. Est. Annual Operating Cost
a. Design/Administrative Fees	2020	\$		10,500	<u>Basis for Cost Estimate and Funding Source:</u> This project will not increase annual operating costs.
b. Right-of Way				-	
c. Construction/Service Fees	2020			150,000	
d. Contingency				-	
e. Financing Costs (Temp Notes)				9,000	
f. Cost of Issuance (Rev/GO Bonds)				3,750	
g. Debt Reserve Fund (Rev Bonds)				-	
h. Capitalized Interest				-	
Project Total				\$ 173,250	
Estimated Life of Item (years): <u>30 Years</u>					
Source of Estimate/Year: <u>2014 Bid for similar work</u>					

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018						\$0
2019						\$0
2020	173,250					\$173,250
TOTAL	\$173,250	\$0	\$0	\$0	\$0	\$173,250



City Facility Projects

City of Topeka

Capital Improvement Project Summary

1. Project Title: Municipal Building Renovations and Mechanical System Upgrades
 2. Dept/Div: Public Works/Facilities Maintenance 3. Project Year(s): 2016-2018
 4. Type: New Repair/Replace X 5. Project Location: 215 SE 7th Street
 6. Contact Name: Bill Kroll, Facilities Manager 7. Contact Phone: 368-3934

7. Project Description: HVAC: Combination of Steam/Hydronic/Chilled water with cooling towers/Air to air condensing is generally in good condition. Replace backup chillers and boiler within 5 years.
 Interior: Asbestos present. Sewer gas issue on 2nd floor east side. Will require major renovation to correct. Lacks current code requirements for fire suppression systems and there are countless voids and gaps in fire stop and smoke barrier partitions. Insurance carrier "strongly" recommends upgrades to wet sprinkler and alarm systems. Original transom air return system no longer code compliant and has created some issues with HVAC comfort levels.
 OTHER: Lighting upgrade required. Mechanical system and domestic plumbing piping are, for the most part, original and will continue to present problems until completely replaced.

9. Project Schedule and Estimate

	Year	Amount
a. Design/Administrative Fees	2016-2018	\$150,000
b. Right-of Way		-
c. Construction/Service Fees	2016-2018	\$904,762
d. Contingency		\$100,000
e. Financing Costs (Temp Notes)		27,143
f. Cost of Issuance (Rev/GO Bonds)		18,095
g. Debt Reserve Fund (Rev Bonds)		-
h. Capitalized Interest		-
Project Total		\$ 1,200,000
Estimated Life of Item (years):	<u>30 years</u>	
Source of Estimate/Year:	<u>Staff estimates 2014</u>	

11. Amount by source of financing

	1. G.O. Bonds	2.	3.	4.	5.	TOTAL
2016	50,000					\$50,000
2017	125,000					\$125,000
2018	1,025,000					\$1,025,000
2019						\$0
2020						\$0
TOTAL	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000



Wastewater Projects

City of Topeka

Capital Improvement Project Summary

1. Project Title: Wastewater Replacement Program

2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2016-2020

4. Type : New Repair/Replace X 5. Project Location: Citywide

6. Contact Name: Michelle Neiswender 7. Contact Phone: 368-4251

8. 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 an effort to reduce the need for costly repairs and maintenance of failing wastewater mains. This also addresses Environmental Protection Agency (EPA) 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 EPA for the elimination and reduction of inflow and infiltration and SSO activity. The program will also reduce City wastewater utility operation and maintenance costs associated with these assets.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost \$500,000	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	2016-2020	\$ 1,553,745	WPC I&I Program includes annual preventative and corrective maintenance cost of sanitary sewer mains	
b. Right-of Way		-	WPC 2013 Prevention Maintenance - cost per foot:	
c. Construction/Service Fees	2016-2020	2,392,071	\$0.52	
d. Contingency		900,000	WPC 2013 Corrective Maintenance - cost per foot:	
e. Financing Costs (Temp Notes)		72,686	\$1.31	
f. Cost of Issuance (Rev/GO Bonds)		96,916		
g. Debt Reserve Fund (Rev Bonds)		484,582		
h. Capitalized Interest		-		
Project Total		\$ 5,500,000		
Estimated Life of Item (years):	<u>40-80</u>			
Source of Estimate/Year:	<u>WPC/2013</u>			

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	1,500,000					\$1,500,000
2017	2,000,000					\$2,000,000
2018	2,000,000					\$2,000,000
2019						\$0
2020						\$0
TOTAL	\$5,500,000	\$0	\$0	\$0	\$0	\$5,500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Oakland Wastewater Treatment Plant Headworks Generator
 2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2016
 4. Type : New X Repair/Replace 5. Project Location: 1115 NE Poplar St.
 6. Contact Name: Michelle Neiswender 7. Contact Phone: 368-4251

8. 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 and the Environmental Protection Agency for the prevention of Sanitary Sewer Overflow (SSO) activity. SSOs must be reported to KDHE immediately following an occurrence.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	Year	Amount		\$1,500
a. Design/Administrative Fees	2016	\$ 85,000	Basis for Cost Estimate and Funding Source: Annual Operating Cost Estimate based on researched approximation provided by WPC O&M Management Staff.	
b. Right-of Way		-		
c. Construction/Service Fees	2016	633,899		
d. Contingency		30,000		
e. Financing Costs (Temp Notes)		11,233		
f. Cost of Issuance (Rev/GO Bonds)		14,978		
g. Debt Reserve Fund (Rev Bonds)		74,890		
h. Capitalized Interest		-		
Project Total		\$ 850,000		
Estimated Life of Item (years):	<u>20-30</u>			
Source of Estimate/Year:	<u>WPC/2010</u>			

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	850,000					\$850,000
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$850,000	\$0	\$0	\$0	\$0	\$850,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Adams Street IS Rehabilitation

2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2016-2017

4. Type : New X Repair/Replace 5. Project Location: KS River to 10th St., I-70

6. Contact Name: Michelle Neiswender 7. Contact Phone: 368-4251

8. Project Description: This project includes necessary system evaluations to determine preliminary design and potential rehabilitation strategies to implement for the Adams street sanitary interceptor sewer. These actions will support compliance with Federal and State regulatory standards for CSO impact removal of source (storm) water from sanitary sewer system(s) through the identification and planning effort for mitigating or eliminating inflow of storm water, ground water and root infiltration. This project also supports related efforts for the Storm water Removal Project associated with this interceptor. The Adams Street sanitary interceptor sewer is approximately 50 years old and in some sections, conceivably older. This interceptor is part of a combined sewer system and is a major conveyor of both wastewater and storm water. Formerly, combined sewer systems were common and reasonable in some municipalities, including Topeka, to collect both wastewater and storm water in a single system. However, combined City expansion and aging infrastructure has decreased the structural and performance reliability of such a system. When system capacity is exceeded, excess flows are discharged, untreated, directly into the Kansas River, the source of drinking water for Topeka and many other communities. Compromise of the structural integrity could potentially have a large economic and environmental impact on the City of Topeka.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost		\$0
	<u>Year</u>	<u>Amount</u>	Basis for Cost Estimate and Funding Source: Cost estimates are based on Consultants study provided in 2011.		
a. Design/Administrative Fees	2016	\$ 300,000			
b. Right-of Way		-			
c. Construction/Service Fees	2017	1,312,115			
d. Contingency		150,000			
e. Financing Costs (Temp Notes)		26,432			
f. Cost of Issuance (Rev/GO Bonds)		35,242			
g. Debt Reserve Fund (Rev Bonds)		176,211			
h. Capitalized Interest		-			
Project Total		\$ 2,000,000			
Estimated Life of Item (years): <u>50 - 100 Yrs.</u>					
Source of Estimate/Year: <u>PEC Eng. - 2011</u>					

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	450,000					\$450,000
2017	1,550,000					\$1,550,000
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Lining Repairs - North Topeka Plant and Wanamaker PS

2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2017-2018

4. Type : New Repair/Replace X 5. Project Location: 1600 N Button Rd & 6305 SW 9th

6. Contact Name: Michelle Neiswender 7. Contact Phone: 368-4251

8. 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 SSOs (wastewater flows into Storm water 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 SSO activity. The project will also reduce City Wastewater Utility operation and maintenance costs associated with these

9. Project Schedule and Estimate	10. Est. Annual Operating Cost																														
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 10%; text-align: center;">Year</th> <th style="width: 30%; text-align: center;">Amount</th> </tr> </thead> <tbody> <tr> <td>a. Design/Administrative Fees</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">\$ 90,096</td> </tr> <tr> <td>b. Right-of Way</td> <td></td> <td style="text-align: right;">-</td> </tr> <tr> <td>c. Construction/Service Fees</td> <td style="text-align: center;">2018</td> <td style="text-align: right;">1,000,000</td> </tr> <tr> <td>d. Contingency</td> <td></td> <td style="text-align: right;">231,490</td> </tr> <tr> <td>e. Financing Costs (Temp Notes)</td> <td></td> <td style="text-align: right;">19,824</td> </tr> <tr> <td>f. Cost of Issuance (Rev/GO Bonds)</td> <td></td> <td style="text-align: right;">26,432</td> </tr> <tr> <td>g. Debt Reserve Fund (Rev Bonds)</td> <td></td> <td style="text-align: right;">132,159</td> </tr> <tr> <td>h. Capitalized Interest</td> <td></td> <td style="text-align: right;">-</td> </tr> <tr> <td style="text-align: right;">Project Total</td> <td></td> <td style="text-align: right; border-top: 1px solid black;">\$ 1,500,000</td> </tr> </tbody> </table>		Year	Amount	a. Design/Administrative Fees	2017	\$ 90,096	b. Right-of Way		-	c. Construction/Service Fees	2018	1,000,000	d. Contingency		231,490	e. Financing Costs (Temp Notes)		19,824	f. Cost of Issuance (Rev/GO Bonds)		26,432	g. Debt Reserve Fund (Rev Bonds)		132,159	h. Capitalized Interest		-	Project Total		\$ 1,500,000	<p style="text-align: right;">\$0</p> <p>Basis for Cost Estimate and Funding Source: Cost estimates provided are based on the City's available economic ability at this time.</p>
	Year	Amount																													
a. Design/Administrative Fees	2017	\$ 90,096																													
b. Right-of Way		-																													
c. Construction/Service Fees	2018	1,000,000																													
d. Contingency		231,490																													
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g. Debt Reserve Fund (Rev Bonds)		132,159																													
h. Capitalized Interest		-																													
Project Total		\$ 1,500,000																													
Estimated Life of Item (years): <u>25-50</u> Source of Estimate/Year: <u>PEC/2012</u>																															

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017	321,586					\$321,586
2018	1,178,414					\$1,178,414
2019						\$0
2020						\$0
TOTAL	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: North Topeka Solids Handling Building South Wall Replacement
 2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2017-2018
 4. Type : New Repair/Replace X 5. Project Location: 1600 N Button Rd
 6. Contact Name: Michelle Neiswender 7. Contact Phone: 368-4251

8. Project Description: This project involves removal and restoration of the exterior brick layer of the south wall of the solids handling building at the North Topeka Wastewater Treatment Plant. Due to a breach in the structure, wastewater and sewage have entered into the wall's cavity. In cold weather months the wall expands as the water inside freezes, and in warmer months the wall begins to crack as the water thaws. The perpetuation of this condition increases the likelihood of total structural failure. Comprehensive damages caused by the failure of this wall include structural, equipment, and possible bodily injury. The solids handling facility is approximately 30 years old. The initial construction of the south wall of this structure may have deviated from original design plans. This variance may have allowed for the inadequacy of this component of the building. The solids handling facility is a major part of the wastewater treatment process and this project will prevent additional adverse fiscal and regulatory impacts.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	Year	Amount	\$0
a. Design/Administrative Fees	2017	\$ 250,000	Basis for Cost Estimate and Funding Source: Cost estimates provided are based on the City's available economic ability at this time.
b. Right-of Way		-	
c. Construction/Service Fees	2018	945,000	
d. Contingency		126,586	
e. Financing Costs (Temp Notes)		19,824	
f. Cost of Issuance (Rev/GO Bonds)		26,432	
g. Debt Reserve Fund (Rev Bonds)		132,159	
h. Capitalized Interest		-	
Project Total		\$ 1,500,000	
Estimated Life of Item (years):	<u>25-50</u>		
Source of Estimate/Year:	<u>PEC/2012</u>		

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017	376,586					\$376,586
2018	1,123,414					\$1,123,414
2019						\$0
2020						\$0
TOTAL	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Eastside Interceptor-Relief-Combined Sewer Overflow#3 to Ash Street Pump Station
 2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2018-2019
 4. Type : New X Repair/Replace 5. Project Location: Along River Rd, Hills-Ash Street PS
 6. Contact Name: Michelle Neiswender 7. Contact Phone: 368-4251

8. Project Description: This project is for the design of a new parallel interceptor relief sewer between 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 SSO activities and to stay within the Rehabilitation and CSO initiative as approved by state and federal regulations.

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2018	\$ 600,000
b. Right-of Way		-
c. Construction/Service Fees	2019	6,455,736
d. Contingency		300,000
e. Financing Costs (Temp Notes)		110,336
f. Cost of Issuance (Rev/GO Bonds)		147,115
g. Debt Reserve Fund (Rev Bonds)		735,574
h. Capitalized Interest		-
Project Total		\$ 8,348,760

10. Est. Annual Operating Cost \$0

Basis for Cost Estimate and Funding Source: Cost estimates are based on Consultants study provided in 2011.

Estimated Life of Item (years): 25-50
 Source of Estimate/Year: PEC/2012

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018	900,000					\$900,000
2019	7,448,760					\$7,448,760
2020						\$0
TOTAL	\$8,348,760	\$0	\$0	\$0	\$0	\$8,348,760

City of Topeka

Capital Improvement Project Summary

1. Project Title: North Topeka Nutrient Removal
 2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2018
 4. Type : New Repair/Replace X 5. Project Location: 1600 N Button Rd.
 6. Contact Name: Michelle Neiswender 7. Contact Phone: 368-4251

8. 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>		
a. Design/Administrative Fees	2018	\$ 600,000	Basis for Cost Estimate and Funding Source: Costs estimates are based on operation and maintenance estimates from 2005.	
b. Right-of Way				
c. Construction/Service Fees	2018	4,581,720		
d. Contingency		425,000		
e. Financing Costs (Temp Notes)		84,101		
f. Cost of Issuance (Rev/GO Bonds)		112,134		
g. Debt Reserve Fund (Rev Bonds)		560,672		
h. Capitalized Interest		-		
Project Total		\$ 6,363,627		
Estimated Life of Item (years):	<u>25-50</u>			
Source of Estimate/Year:	<u>WPC/2005</u>			

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018	6,363,627					\$6,363,627
2019						\$0
2020						\$0
TOTAL	\$6,363,627	\$0	\$0	\$0	\$0	\$6,363,627

City of Topeka

Capital Improvement Project Summary

1. Project Title: Oakland Wastewater Treatment Plant UV Expansion
 2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2019
 4. Type : New X Repair/Replace 5. Project Location: 1115 NE Poplar
 6. Contact Name: Michelle Neiswender 7. Contact Phone: 368-4251

8. Project Description: This project includes but not limited to the installation of an additional 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	Year	Amount	\$0
a. Design/Administrative Fees	2019	\$ 300,000	Basis for Cost Estimate and Funding Source: 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. Financing Costs (Temp Notes)		35,732	
f. Cost of Issuance (Rev/GO Bonds)		47,643	
g. Debt Reserve Fund (Rev Bonds)		238,216	
h. Capitalized Interest		-	
Project Total		\$ 2,703,750	
Estimated Life of Item (years):	<u>50 - 100 Yrs</u>		
Source of Estimate/Year:	<u>PEC Engrs - 2011</u>		

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018						\$0
2019	2,703,750					\$2,703,750
2020						\$0
TOTAL	\$2,703,750	\$0	\$0	\$0	\$0	\$2,703,750

City of Topeka

Capital Improvement Project Summary

1. Project Title: Wastewater Plant Operations Equipment & Fleet Maintenance & Replacement Program

2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2016-2020

4. Type : New Repair/Replace X 5. Project Location: Citywide

6. Contact Name: Bob Sample 7. Contact Phone: 368-4241

8. 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	Year	Amount	Basis for Cost Estimate and Funding Source: This is an annual O&M program. Estimated operating cost is the total cost for this program.
a. Design/Administrative Fees			
b. Right-of Way		-	
c. Construction/Service Fees	2016-2020	\$900,000	
d. Contingency			
e. Financing Costs (Temp Notes)			
f. Cost of Issuance (Rev/GO Bonds)			
g. Debt Reserve Fund (Rev Bonds)			
h. Capitalized Interest		-	
Project Total		\$ 900,000	
Estimated Life of Item (years):	<u>N/A</u>		
Source of Estimate/Year:	<u>WPC/2014</u>		

11. Amount by source of financing

	1. Wastewater Cash	2.	3.	4.	5.	TOTAL
2016	100,000					\$100,000
2017	300,000					\$300,000
2018	100,000					\$100,000
2019	300,000					\$300,000
2020	100,000					\$100,000
TOTAL	\$900,000	\$0	\$0	\$0	\$0	\$900,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: WPC Inflow & Infiltration Program

2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2016-2020

4. Type : New Repair/Replace X 5. Project Location: City Wide

6. Contact Name: Dennis Dunbar 7. Contact Phone: 368-4344

8. 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.

<p>9. Project Schedule and Estimate</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="text-align: center; border-bottom: 1px solid black;">Year</th> <th style="text-align: center; border-bottom: 1px solid black;">Amount</th> </tr> </thead> <tbody> <tr> <td>a. Design/Administrative Fees</td> <td style="text-align: center;">Annual</td> <td style="text-align: right;">\$ 50,000</td> </tr> <tr> <td>b. Right-of Way</td> <td></td> <td style="text-align: right;">-</td> </tr> <tr> <td>c. Construction/Service Fees</td> <td style="text-align: center;">Annual</td> <td style="text-align: right;">\$450,000</td> </tr> <tr> <td>d. Contingency</td> <td></td> <td></td> </tr> <tr> <td>e. Financing Costs (Temp Notes)</td> <td></td> <td></td> </tr> <tr> <td>f. Cost of Issuance (Rev/GO Bonds)</td> <td></td> <td></td> </tr> <tr> <td>g. Debt Reserve Fund (Rev Bonds)</td> <td></td> <td></td> </tr> <tr> <td>h. Capitalized Interest</td> <td></td> <td style="text-align: right;">-</td> </tr> <tr> <td style="text-align: right;">Project Total</td> <td></td> <td style="text-align: right; border-top: 1px solid black;">\$ 500,000</td> </tr> <tr> <td>Estimated Life of Item (years):</td> <td style="border-bottom: 1px solid black;"><u>40-80</u></td> <td></td> </tr> <tr> <td>Source of Estimate/Year:</td> <td style="border-bottom: 1px solid black;"><u>WPC/2014</u></td> <td></td> </tr> </tbody> </table>		Year	Amount	a. Design/Administrative Fees	Annual	\$ 50,000	b. Right-of Way		-	c. Construction/Service Fees	Annual	\$450,000	d. Contingency			e. Financing Costs (Temp Notes)			f. Cost of Issuance (Rev/GO Bonds)			g. Debt Reserve Fund (Rev Bonds)			h. Capitalized Interest		-	Project Total		\$ 500,000	Estimated Life of Item (years):	<u>40-80</u>		Source of Estimate/Year:	<u>WPC/2014</u>		<p>10. Est. Annual Operating Cost \$500,000</p> <p><u>Basis for Cost Estimate and Funding Source:</u> This is an annual O&M program. Estimated operating cost is the total cost for this program.</p> <p>WPC 2013 Prevention Maintenance - cost per foot: \$0.52 WPC 2013 Corrective Maintenance - cost per foot: \$1.31</p>
	Year	Amount																																			
a. Design/Administrative Fees	Annual	\$ 50,000																																			
b. Right-of Way		-																																			
c. Construction/Service Fees	Annual	\$450,000																																			
d. Contingency																																					
e. Financing Costs (Temp Notes)																																					
f. Cost of Issuance (Rev/GO Bonds)																																					
g. Debt Reserve Fund (Rev Bonds)																																					
h. Capitalized Interest		-																																			
Project Total		\$ 500,000																																			
Estimated Life of Item (years):	<u>40-80</u>																																				
Source of Estimate/Year:	<u>WPC/2014</u>																																				

11. Amount by source of financing

	1. Wastewater Cash	2.	3.	4.	5.	TOTAL
2016	500,000					\$500,000
2017	500,000					\$500,000
2018	500,000					\$500,000
2019	500,000					\$500,000
2020	500,000					\$500,000
TOTAL	\$2,500,000	\$0	\$0	\$0	\$0	\$2,500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Oakland Wastewater Treatment Plant Solids Handling/Facility Upgrades Phase II
 2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2016-2017
 4. Type : New Repair/Replace X 5. Project Location: 1115 NE Poplar
 6. Contact Name: Michelle Neiswender 7. Contact Phone: 368-4251

8. 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 methane fuel source.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	Year	Amount	\$0	
a. Design/Administrative Fees	2016	\$ 775,000	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.	
b. Right-of Way				
c. Construction/Service Fees	2017	6,965,550		
d. Contingency		650,000		
e. Financing Costs (Temp Notes)		125,858		
f. Cost of Issuance (Rev/GO Bonds)		167,811		
g. Debt Reserve Fund (Rev Bonds)		839,055		
h. Capitalized Interest		-		
Project Total		\$ 9,523,274		
Estimated Life of Item (years):	<u>20-30</u>			
Source of Estimate/Year:	<u>WPC/2010</u>			

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	1,425,000					\$1,425,000
2017	8,098,274					\$8,098,274
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$9,523,274	\$0	\$0	\$0	\$0	\$9,523,274

City of Topeka

Capital Improvement Project Summary

1. Project Title: Combined Sewer Overflow Management Plan

2. Dept/Div: Water Pollution Control 3. Project Year(s): 2016-2017

4. Type : New Repair/Replace X 5. Project Location: Citywide

6. Contact Name : Michelle Neiswender 7. Contact Phone: 368-4251

8. Project Description: This project will include evaluation and revision of the City's Combined System Overflow (CSO) Long Term Control Plan (LTCP) for the reduction/elimination of CSOs. Previously, combined sewer systems were common and reasonable in certain municipalities, including Topeka, to collect both wastewater and stormwater in a single system. However, combined City expansion and aging infrastructure has decreased the structural and performance reliability of such a system.

It is anticipated that this effort will include further evaluation of the sanitary sewer collection system hydrologic and hydraulic model and levels of service and control for the combined sanitary and storm sewer system. This effort will enable the City to identify further projects needed to accomplish the required CSO reduction/elimination. Amendments to the LTCP will consider feasibility and financial capability of the City and will allow the City flexibility in the assessment of additional modifications of the LTCP as necessary. The City is obligated to reduce/eliminate CSOs under Kansas Department of Health and Environment (KDHE) regulations.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost		\$0
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>		
a. Design/Administrative Fees	2016-2017	\$ 600,000	Engineering Consultant Estimation		
b. Right-of Way					
c. Construction/Service Fees					
d. Contingency					
e. Financing Costs (Temp Notes)					
f. Cost of Issuance (Rev/GO Bonds)					
g. Debt Reserve Fund (Rev Bonds)					
h. Capitalized Interest		-			
Project Total		\$ 600,000			
Estimated Life of Item (years): _____					
Source of Estimate/Year: _____					

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	300,000					\$300,000
2017	300,000					\$300,000
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$600,000	\$0	\$0	\$0	\$0	\$600,000



Stormwater Projects

City of Topeka

Capital Improvement Project Summary

1. Project Title: Storm Conveyance System Rehabilitation

2. Dept/Div: Public Works / UAM - Storm water 3. Project Year(s): 2016-2017

4. Type : New Repair/Replace X 5. Project Location: Citywide

6. Contact Name: Stephen Miller 7. Contact Phone: 368-1640

8. 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, City-wide level of service. In isolated cases small improvements may be made in order to meet modern-day standards or to address a localized problem not worthy of a capital project. Anticipate about \$1M 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.

9. Project Schedule and Estimate

	Year	Amount
a. Design/Administrative Fees	2016-2017	\$ 1,640,529
b. Right-of Way		-
c. Construction/Service Fees	2016-2017	2,805,727
d. Contingency		840,088
e. Financing Costs (Temp Notes)		79,295
f. Cost of Issuance (Rev/GO Bonds)		105,727
g. Debt Reserve Fund (Rev Bonds)		528,634
h. Capitalized Interest		-
Project Total		\$ 6,000,000
Estimated Life of Item (years):	100	
Source of Estimate/Year:	Staff 2013	

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	3,000,000					\$3,000,000
2017	3,000,000					\$3,000,000
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$6,000,000	\$0	\$0	\$0	\$0	\$6,000,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Kansas River Levee System Rehabilitation - Phase II
 2. Dept/Div: Public Works / UAM - Stormwater 3. Project Year(s): 2016-2018
 4. Type : New Repair/Replace X 5. Project Location: Throughout levee system
 6. Contact Name: Michelle Neiswender 7. Contact Phone: 368-4251

8. 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 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 to protect against the wall sliding at the Waterworks levee unit, located at the Topeka Water Treatment Plant; replacement of 1900 feet of the South Topeka levee unit floodwall east of Kansas Ave. to improve foundation stability and the installation of an earth berm or relief wells for under seepage 2,600 feet west of Topeka Blvd.; improvements to the Oakland levee unit including, installation of an earth berm or relief wells for under seepage 1,600 feet along the Oakland Wastewater Treatment Plant and the installation of an earth stability berm for 500 feet along Shunganunga Creek near S.E. 6th St. and Branner St.; and installation of an earth berm or relief wells for under seepage 2,400 feet west of the North Topeka Wastewater Treatment Plant for the North Topeka levee unit. The project was recommended for construction funding (through inclusion in the Water Resources Development Act (WRDA)) by the USACE. Total project cost is estimated to be \$26,000,000 with the City to provide a minimum of 35% of the total project costs. The design phase was initiated in 2009. Ordinance 19848 authorized the design budget of \$650,000.

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees		
b. Right-of Way		
c. Construction/Service Fees	2016-2018	\$10,600,000
d. Contingency		
e. Financing Costs (Temp Notes)		
f. Cost of Issuance (Rev/GO Bonds)		
g. Debt Reserve Fund (Rev Bonds)		
h. Capitalized Interest		-
Project Total		\$ 10,600,000
Estimated Life of Item (years):	<u>25-50</u>	
Source of Estimate/Year:	<u>USACE/2009</u>	

11. Amount by source of financing

	1. Stormwater Cash	Federal Funds	3.	4.	5.	TOTAL
2016	4,300,000	9,000,000				\$13,300,000
2017	3,600,000	7,000,000				\$10,600,000
2018	2,700,000	2,900,000				\$5,600,000
2019						\$0
2020						\$0
TOTAL	\$10,600,000	\$18,900,000	\$0	\$0	\$0	\$29,500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Levee Repairs / Replacement Program
 2. Dept/Div: Public Works / UAM - Storm water 3. Project Year(s): 2016-2017
 4. Type : New Repair/Replace X 5. Project Location: Throughout levee system
 6. Contact Name: Michelle Neiswender 7. Contact Phone: 368-4251

8. Project Description: This project encompasses repairs to the four levee units within the City as required by the United States Army Corps of Engineers (USACE) 2010 Periodic Inspection. Repairs include removal of trees infringing on the levee right of way, levee bank stabilization, testing and potential repair or replacement of the well units, control system, and piezometers in the Waterworks, Auburndale, South Topeka and Oakland levee unit relief wells, pump station gate structure repairs, and levee sanitary isolation valve replacement and/or reconfiguration, and possible replacement of sanitary pipes connected to these valves. These sanitary pipes run under or through the levee system and their isolation valves, on the land side of the levee, isolate the sanitary system from flood water within the levee system. These valves operate in a highly corrosive environment and most all of these valves are past their useful life and no longer operate. The valves were identified as deficient in the Periodic Inspection and must be replaced to ensure proper flood protection. Internal staff will perform most of the repairs that are within our equipment and time constraints but there are many repairs that are beyond the scope of City maintenance staff. There are also some privately owned parcels along the levee that encroach on the City's ability to maintain the levee system. These parcels need to be purchased to ensure the proper maintenance can be performed.

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2016	\$ 573,800
b. Right-of Way		-
c. Construction/Service Fees	2017	4,096,244
d. Contingency		-
e. Financing Costs (Temp Notes)		70,051
f. Cost of Issuance (Rev/GO Bonds)		93,401
g. Debt Reserve Fund (Rev Bonds)		467,004
h. Capitalized Interest		-
Project Total		<u>\$ 5,300,500</u>
Estimated Life of Item (years):	<u>25-50</u>	
Source of Estimate/Year:	<u>Corps of Engineers/2010</u>	

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	573,800					\$573,800
2017	4,726,700					\$4,726,700
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$5,300,500	\$0	\$0	\$0	\$0	\$5,300,500

City of Topeka

Capital Improvement Project Summary

1. Project Title: Adams St. Interceptor Sewer Storm water Removal - KS River to 10th St
 2. Dept/Div: Public Works / UAM - Storm water 3. Project Year(s): 2016-2017
 4. Type : New X Repair/Replace 5. Project Location: KS River to 10th St
 6. Contact Name: Stephen Miller 7. Contact Phone: 368-1640

8. Project Description: The Adams Street Interceptor Sewer is part of a combined sewer system and is a major conveyor of both wastewater and storm water. This project will allow for design and construction of separate storm sewer systems. Formerly, combined sewer systems were common and reasonable in some municipalities, including Topeka, to collect both wastewater and storm water in a single system. However, combined City expansion and aging infrastructure has decreased the structural and performance reliability of such a system. When system capacity is exceeded, excess flows are discharged, untreated, directly into the Kansas River. Even when overflows do not occur, the storm water enters the wastewater treatment process, and is treated along with wastewater. This project will create a storm water-only system leaving the old system to carry strictly wastewater to the treatment plant. Removing storm water from the system will reduce O&M costs at the wastewater treatment plant and reduce the number and severity of combined sewer overflow (CSO) events. Storm water removal projects may consist of infiltration projects such as rain gardens, bio-retention cells or extended storm water detention practices. These actions will support compliance with Federal and State regulatory standards for CSO impact removal of source (storm) water from sanitary sewer system(s).

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	\$0
a. Design/Administrative Fees	2016	\$ 322,000	<u>Basis for Cost Estimate and Funding Source:</u> Staff (2014); Storm water Utility Enterprise Fund
b. Right-of Way			
c. Construction/Service Fees	2017	2,100,000	
d. Contingency		221,172	
e. Financing Costs (Temp Notes)		39,648	
f. Cost of Issuance (Rev/GO Bonds)		52,863	
g. Debt Reserve Fund (Rev Bonds)		264,317	
h. Capitalized Interest		-	
Project Total		\$ 3,000,000	
Estimated Life of Item (years):	<u>100</u>		
Source of Estimate/Year:	<u>Staff 2014</u>		

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	543,172					\$543,172
2017	2,456,828					\$2,456,828
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Storm water Operations Equipment & Fleet Maintenance & Replacement Program

2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2016-2020

4. Type : New Repair/Replace X 5. Project Location: Citywide

6. Contact Name: Bob Sample 7. Contact Phone: 368-4241

8. Project Description: The purpose of this program is to establish a capital equipment plan for the repair and replacement of City Storm water 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	Year	Amount	\$0
a. Design/Administrative Fees			<u>Basis for Cost Estimate and Funding Source:</u> This is an annual O&M program. Estimated operating cost is the total cost for this program.
b. Right-of Way		-	
c. Construction/Service Fees	2016-2020	\$1,100,000	
d. Contingency			
e. Financing Costs (Temp Notes)			
f. Cost of Issuance (Rev/GO Bonds)			
g. Debt Reserve Fund (Rev Bonds)			
h. Capitalized Interest		-	
Project Total		\$ 1,100,000	
Estimated Life of Item (years):	<u>N/A</u>		
Source of Estimate/Year:	<u>WPC/2014</u>		

11. Amount by source of financing

	1. Stormwater Cash	2.	3.	4.	5.	TOTAL
2016	300,000					\$300,000
2017	100,000					\$100,000
2018	300,000					\$300,000
2019	100,000					\$100,000
2020	300,000					\$300,000
TOTAL	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Drainage Correction Program

2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2016-2020

4. Type : New Repair/Replace X 5. Project Location: Citywide

6. Contact Name: Kelly Haller 7. Contact Phone: 368-4241

8. Project Description: Drainage Correction projects (DCP) are designed to correct storm water drainage deficiencies in local residential neighborhoods. These projects must meet specific criteria for funding eligibility in this program. The project must be for the correction of a drainage defect within a public easement or right-of-way that adversely impacts three or more parcels, and has a total project cost of less than \$100,000.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	\$500,000
	<u>Year</u>	<u>Amount</u>	Basis for Cost Estimate and Funding Source: This is an annual O&M program. Estimated operating cost is the total cost for this program.	
a. Design/Administrative Fees	Annual	\$ 30,000		
b. Right-of Way		-		
c. Construction/Service Fees	Annual	270,000		
d. Contingency				
e. Financing Costs (Temp Notes)				
f. Cost of Issuance (Rev/GO Bonds)				
g. Debt Reserve Fund (Rev Bonds)				
h. Capitalized Interest		-		
Project Total		\$ 300,000		
Estimated Life of Item (years): <u>40-80</u>				
Source of Estimate/Year: <u>WPC/2014</u>				

11. Amount by source of financing

	1. Stormwater Cash	2.	3.	4.	5.	TOTAL
2016	300,000					\$300,000
2017	300,000					\$300,000
2018	300,000					\$300,000
2019	300,000					\$300,000
2020	300,000					\$300,000
TOTAL	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000



Water Projects

City of Topeka

Capital Improvement Project Summary

1. Project Title: Water Main Replacement Program

2. Dept/Div: Public Works / UAM - Water 3. Project Year(s): 2016-2020

4. Type : New Repair/Replace X 5. Project Location: Citywide

6. Contact Name: LaToya Martinez 7. Contact Phone: 368-3043

8. 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>		\$753
a. Design/Administrative Fees	2016-2020	\$ 1,550,000	<u>Basis for Cost Estimate and Funding Source:</u> Estimated Annual Operating Cost increase breakdown funded by annual operating budgets: 2016 - 3,844 ft. @ \$0.14 = \$538 2017 - 4613 ft. @ \$0.14 = \$646 2018 - 5381 ft. @ \$0.14 = \$753 2019 - 6150 ft. @ \$0.14 = \$861 2020 - 6919 ft. @ \$0.14 = \$969 5 Year CIP Annual Average = \$753	
b. Right-of Way		150,000		
c. Construction/Service Fees	2016-2020	7,829,214		
d. Contingency		1,484,002		
e. Financing Costs (Temp Notes)		165,198		
f. Cost of Issuance (Rev/GO Bonds)		220,264		
g. Debt Reserve Fund (Rev Bonds)		1,101,322		
h. Capitalized Interest		-		
Project Total		\$ 12,500,000		
Estimated Life of Item (years):	<u>75 -100</u>			
Source of Estimate/Year:	<u>Water/2013</u>			

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	2,500,000					\$2,500,000
2017	2,500,000					\$2,500,000
2018	2,500,000					\$2,500,000
2019	2,500,000					\$2,500,000
2020	2,500,000					\$2,500,000
TOTAL	\$12,500,000	\$0	\$0	\$0	\$0	\$12,500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Crane at Jefferson; East to Seward / Strait
 2. Dept/Div: Public Works / UAM - Water 3. Project Year(s): 2016
 4. Type : New Repair/Replace X 5. Project Location: Crane at Jefferson; E-Seward/Strait
 6. Contact Name: LaToya Martinez 7. Contact Phone: 368-3043

8. Project Description: Installation of 4,250 Linear Feet of new 18-24" main to reinforce the transmission capacity in the area for domestic and fire flows to support existing and continued growth and development in the central-east 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 the central-east portions of the Central Pressure Zone and supply booster pumping capacities for the Southeast Pressure Zone. This main will improve the reliability of the supply to portions of the Central and Southeast Pressure Zones and is part of the improvements needed to allow for the creation of the new East and South Zones. Continued re-development and new development in these areas will require the additional water supplied by this water main. The project timing is driven by the proposed improvements to SE Seward Avenue from Branner to Rice Road. Full project budget is \$2,089,762, with the additional amount having been approved in a prior CIP.

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2016	\$ 356,000
b. Right-of Way	2016	25,000
c. Construction/Service Fees	2016	109,145
d. Contingency		150,000
e. Financing Costs (Temp Notes)		9,602
f. Cost of Issuance (Rev/GO Bonds)		12,803
g. Debt Reserve Fund (Rev Bonds)		64,015
h. Capitalized Interest		-
Project Total		\$ 726,565

Estimated Life of Item (years): 75 -100

Source of Estimate/Year: Water/2013

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	726,565					\$726,565
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$726,565	\$0	\$0	\$0	\$0	\$726,565

City of Topeka

Capital Improvement Project Summary

1. Project Title: California from 33rd to 41st Street
 2. Dept/Div: Public Works / UAM - Water 3. Project Year(s): 2016
 4. Type : New X Repair/Replace 5. Project Location: California from 33rd to 41st Street
 6. Contact Name: LaToya Martinez 7. Contact Phone: 368-3043

8. Project Description: Installation of a new 16" main to reinforce the transmission capacity in the area for domestic and fire flows to support continued growth and development in Southeast Topeka. 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 requirements. This main will improve the reliability of the supply to the East Zone area and is part of the improvements needed to allow for the creation of the new East and South Zones. Continued development along 45th Street and in the Rockfire development will require the additional water supplied by this water main. Full project budget is \$2,089,762, with the additional amount having been approved in a prior CIP.

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2016	\$ 123,000
b. Right-of Way		-
c. Construction/Service Fees	2016	327,980
d. Contingency		100,000
e. Financing Costs (Temp Notes)		8,265
f. Cost of Issuance (Rev/GO Bonds)		11,020
g. Debt Reserve Fund (Rev Bonds)		55,098
h. Capitalized Interest		-
Project Total		\$ 625,362

Estimated Life of Item (years): 75 to 100
 Source of Estimate/Year: Bartlett & West/2003

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	625,362					\$625,362
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$625,362	\$0	\$0	\$0	\$0	\$625,362

City of Topeka

Capital Improvement Project Summary

1. Project Title: Southeast Elevated Tank - SE 41st St.
 2. Dept/Div: Public Works / UAM - Water 3. Project Year(s): 2016-2018
 4. Type : New Repair/Replace X 5. Project Location: Northeast of SE 41st & California
 6. Contact Name: LaToya Martinez 7. Contact Phone: 368-3043

8. Project Description: This project involves land acquisition and construction of a 500,000 gallon elevated water storage east of SE California on SE 41st Street and connecting transmission main. This elevated water storage tank is needed to replace the existing 250,000 gallon elevated tank located at SE 29th Street at California. The existing elevated tank is over 50 years old and 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. This project includes installation of a main connecting the new tower to the transmission main at SE California at 41st street.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost		\$1,500
	<u>Year</u>	<u>Amount</u>	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.		
a. Design/Administrative Fees	2017	\$ 237,500			
b. Right-of Way	2016	100,000			
c. Construction/Service Fees	2018	3,046,696			
d. Contingency		162,500			
e. Financing Costs (Temp Notes)		53,200			
f. Cost of Issuance (Rev/GO Bonds)		70,934			
g. Debt Reserve Fund (Rev Bonds)		354,670			
h. Capitalized Interest		-			
Project Total		\$ 4,025,500			
Estimated Life of Item (years): <u>50 to 100</u>					
Source of Estimate/Year: <u>Bartlett & West/2003</u>					

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	166,484					\$166,484
2017	416,210					\$416,210
2018	3,442,806					\$3,442,806
2019						\$0
2020						\$0
TOTAL	\$4,025,500	\$0	\$0	\$0	\$0	\$4,025,500

City of Topeka

Capital Improvement Project Summary

1. Project Title: 37th St. - Kentucky to California

2. Dept/Div: Public Works / UAM - Water 3. Project Year(s): 2016

4. Type : New X Repair/Replace 5. Project Location: 37th St.-Kentucky to California

6. Contact Name: LaToya Martinez 7. Contact Phone: 368-3043

8. Project Description: This project involves installation of 3,300-ft of new 18" main to reinforce the water transmission capacity in the east and southeast areas for domestic and fire flows to support existing and continued growth and development in the east and south-east segments of Topeka. This project is part of an overall plan to assure the capability and improved reliability of the transmission and distribution system to meet both existing and future peak day (highest water use day of the year) and fire protection requirements in this area (Southeast Pressure Zone). This main supplements necessary improvements that provide the foundation for the new East and South Zones. Continued re-development and expansion in these areas will require the additional water supplied by this water main. This project was identified as part of the Water Distribution System Master Plan (February 2002) and was originally slated for implementation in Year 2008-09 from the 41st and Quincy elevated tank to SE 37th and California. With the funds that were budgeted and approved using KDHE Water SRF loan funds, only the initial portion from the 41st and Quincy elevated tank to SE 37th and Kentucky could be constructed. The remainder of the project construction was deferred for future implementation when additional funding would be allocated and approved.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost		\$462
	<u>Year</u>	<u>Amount</u>	Basis for Cost Estimate and Funding Source: Annual Operating Cost are funded in the Operating Budget.		
a. Design/Administrative Fees	2016	\$ 138,900			
b. Right-of Way		-			
c. Construction/Service Fees	2016	1,124,404			
d. Contingency		110,000			
e. Financing Costs (Temp Notes)		20,600			
f. Cost of Issuance (Rev/GO Bonds)		27,466			
g. Debt Reserve Fund (Rev Bonds)		137,330			
h. Capitalized Interest		-			
Project Total		\$ 1,558,700			
Estimated Life of Item (years): <u>75 to 100</u>					
Source of Estimate/Year: <u>Bartlett & West/2003</u>					

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	1,558,700					\$1,558,700
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$1,558,700	\$0	\$0	\$0	\$0	\$1,558,700

City of Topeka

Capital Improvement Project Summary

1. Project Title: Water Treatment Plant Rehabilitation Program

2. Dept/Div: Public Works / UAM - Water 3. Project Year(s): 2016

4. Type : New X Repair/Replace X 5. Project Location: 3245 Water Works Drive

6. Contact Name: LaToya Martinez 7. Contact Phone: 368-3043

8. 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.

9. Project Schedule and Estimate				10. Est. Annual Operating Cost	
	Year	Amount			\$0
a. Design/Administrative Fees	2016	\$ 244,600	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.		
b. Right-of Way		-			
c. Construction/Service Fees	2016	313,930			
d. Contingency		146,316			
e. Financing Costs (Temp Notes)		10,573			
f. Cost of Issuance (Rev/GO Bonds)		14,097			
g. Debt Reserve Fund (Rev Bonds)		70,485			
h. Capitalized Interest		-			
Project Total		\$ 800,000			
Estimated Life of Item (years):	<u>20 - 40</u>				
Source of Estimate/Year:	<u>Water/2013</u>				

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	800,000					\$800,000
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$800,000	\$0	\$0	\$0	\$0	\$800,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Topeka Blvd. - University to Ormsby
 2. Dept/Div: Public Works / UAM - Water 3. Project Year(s): 2016-2017
 4. Type : New X Repair/Replace 5. Project Location: Topeka Blvd - Univ. S. to Ormsby
 6. Contact Name: LaToya Martinez 7. Contact Phone: 368-3043

8. Project Description: Installation of 6800 LF of new 18" main to reinforce the water transmission capacity in the south Topeka area (generally south of SE 45th Street down to the new south Topeka Industrial park) for domestic and fire flows to support existing and continued growth and development in the south 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 south Topeka and is part of the improvements needed to allow for the creation of the new East and South Zones. The City's commitment to provide utility infrastructure for the Kanza Fire Commerce Park and MARS Corporation development drives requirement to proceed with this project now. This project was identified as part of the Water Distribution System Master Plan prepared in February 2002.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	Year	Amount	\$952	
a. Design/Administrative Fees	2017	\$ 233,000	Basis for Cost Estimate and Funding Source: Estimated annual operating cost will be included in the operating budget. Portions of Capital cost will be recovered by future system fees.	
b. Right-of Way	2017	45,000		
c. Construction/Service Fees	2016-2017	1,915,000		
d. Contingency		190,300		
e. Financing Costs (Temp Notes)		35,750		
f. Cost of Issuance (Rev/GO Bonds)		47,666		
g. Debt Reserve Fund (Rev Bonds)		238,330		
h. Capitalized Interest		-		
Project Total		\$ 2,705,046		
Estimated Life of Item (years):	<u>75 - 100 Years</u>			
Source of Estimate/Year:	<u>B&W Eng. 2013</u>			

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	744,400					\$744,400
2017	1,960,646					\$1,960,646
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$2,705,046	\$0	\$0	\$0	\$0	\$2,705,046

City of Topeka

Capital Improvement Project Summary

1. Project Title: Indian Hills Rd., SW 29th to 21st St.
 2. Dept/Div: Public Works / UAM - Water 3. Project Year(s): 2017-2018
 4. Type : New X Repair/Replace 5. Project Location: Indian Hills Rd, SW 29th to 21st
 6. Contact Name: LaToya Martinez 7. Contact Phone: 368-3043

8. 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	Year	Amount	\$742
a. Design/Administrative Fees	2017	\$ 270,100	Basis for Cost Estimate and Funding Source: Annual estimated operating cost will be included in operating budget.
b. Right-of Way	2017	50,000	
c. Construction/Service Fees	2017-2018	2,201,076	
d. Contingency		219,000	
e. Financing Costs (Temp Notes)		41,103	
f. Cost of Issuance (Rev/GO Bonds)		54,804	
g. Debt Reserve Fund (Rev Bonds)		274,018	
h. Capitalized Interest		-	
Project Total		\$ 3,110,100	
Estimated Life of Item (years):	<u>75 -100</u>		
Source of Estimate/Year:	<u>Water/2013</u>		

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016						\$0
2017	2,110,100					\$2,110,100
2018	1,000,000					\$1,000,000
2019						\$0
2020						\$0
TOTAL	\$3,110,100	\$0	\$0	\$0	\$0	\$3,110,100

City of Topeka

Capital Improvement Project Summary

1. Project Title: Water Plant Operations Equipment & Fleet Maintenance & Replacement Program
 2. Dept/Div: Public Works / UAM - Wastewater 3. Project Year(s): 2016-2020
 4. Type : New Repair/Replace X 5. Project Location: City Wide
 6. Contact Name: Riley Vittitoe 7. Contact Phone: 368-2424

8. 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.

<p>9. Project Schedule and Estimate</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 10%; text-align: center;"><u>Year</u></th> <th style="width: 10%; text-align: center;"><u>Amount</u></th> <th style="width: 20%;"></th> </tr> </thead> <tbody> <tr> <td>a. Design/Administrative Fees</td> <td style="text-align: center;">Annual</td> <td style="text-align: right;">\$ 50,000</td> <td></td> </tr> <tr> <td>b. Right-of Way</td> <td></td> <td style="text-align: center;">-</td> <td></td> </tr> <tr> <td>c. Construction/Service Fees</td> <td style="text-align: center;">Annual</td> <td style="text-align: right;">250,000</td> <td></td> </tr> <tr> <td>d. Contingency</td> <td></td> <td></td> <td></td> </tr> <tr> <td>e. Financing Costs (Temp Notes)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>f. Cost of Issuance (Rev/GO Bonds)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>g. Debt Reserve Fund (Rev Bonds)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>h. Capitalized Interest</td> <td></td> <td style="text-align: center;">-</td> <td></td> </tr> <tr> <td style="text-align: right;">Project Total</td> <td></td> <td style="text-align: right; border-top: 1px solid black;">\$ 300,000</td> <td></td> </tr> </tbody> </table> <p>Estimated Life of Item (years): <u>N/A</u> Source of Estimate/Year: <u>O&M 2014</u></p>		<u>Year</u>	<u>Amount</u>		a. Design/Administrative Fees	Annual	\$ 50,000		b. Right-of Way		-		c. Construction/Service Fees	Annual	250,000		d. Contingency				e. Financing Costs (Temp Notes)				f. Cost of Issuance (Rev/GO Bonds)				g. Debt Reserve Fund (Rev Bonds)				h. Capitalized Interest		-		Project Total		\$ 300,000		<p>10. Est. Annual Operating Cost \$400,000</p> <p><u>Basis for Cost Estimate and Funding Source:</u> This is an annual O&M program. Estimated operating cost is the total cost for this program.</p>
	<u>Year</u>	<u>Amount</u>																																							
a. Design/Administrative Fees	Annual	\$ 50,000																																							
b. Right-of Way		-																																							
c. Construction/Service Fees	Annual	250,000																																							
d. Contingency																																									
e. Financing Costs (Temp Notes)																																									
f. Cost of Issuance (Rev/GO Bonds)																																									
g. Debt Reserve Fund (Rev Bonds)																																									
h. Capitalized Interest		-																																							
Project Total		\$ 300,000																																							

11. Amount by source of financing

	1. Water Cash	2.	3.	4.	5.	TOTAL
2016	300,000					\$300,000
2017	300,000					\$300,000
2018	300,000					\$300,000
2019	300,000					\$300,000
2020	300,000					\$300,000
TOTAL	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Crane, NE Harrison to Jefferson to 2nd to Seward / Branner
 2. Dept/Div: Public Works / UAM - Water 3. Project Year(s): 2016-2017
 4. Type : New X Repair/Replace 5. Project Location: Crane; NE Harrison-Jefferson-2nd
 6. Contact Name: LaToya Martinez 7. Contact Phone: 368-3043

8. Project Description: The project includes installation of 6150 LF of new 18-24" main to reinforce the water transmission capacity in the area for domestic and fire flows to support existing and continued growth and development in the central city and central-east segments of Topeka. This project is part of an overall plan to assure the capability and improved reliability of the transmission and distribution system to meet both existing and future peak day (highest water use day of the year) and fire protection requirements in this area (Central Pressure Zone) and supply booster pumping capacities for the Southeast Pressure Zone. This main supplements necessary improvements that provide the foundation for the new East and South Zones. Continued re-development and expansion in these areas will require the additional water supplied by this water main. The project timing is driven as a result of the proposed improvements to SE Seward Avenue from Branner to Rice Road to provide the source water connectivity for that transmission main. This project was identified as part of the Water Distribution System Master Plan (February 2002). This project will include construction of approximately. 2000 ft. of 24" main across BNSF railroad property to connect with NE Seward Ave (2015 CIP Project).

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	Year	Amount	\$861	
a. Design/Administrative Fees	2016	\$ 363,500	Basis for Cost Estimate and Funding Source: Estimated annual operating costs for this main is funded by the operations budget.	
b. Right-of Way		-		
c. Construction/Service Fees	2016-2017	3,001,000		
d. Contingency		299,500		
e. Financing Costs (Temp Notes)		54,960		
f. Cost of Issuance (Rev/GO Bonds)		73,280		
g. Debt Reserve Fund (Rev Bonds)		366,400		
h. Capitalized Interest		-		
Project Total		\$ 4,158,640		
Estimated Life of Item (years):	<u>75 -100</u>			
Source of Estimate/Year:	<u>Water/2013</u>			

11. Amount by source of financing

	1. Revenue Bonds	2.	3.	4.	5.	TOTAL
2016	2,758,900					\$2,758,900
2017	1,399,740					\$1,399,740
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$4,158,640	\$0	\$0	\$0	\$0	\$4,158,640



Citywide Half-Cent Sales Tax Projects

City of Topeka

Capital Improvement Project Summary

1. Project Title: Maintain and Improve Existing Streets

2. Dept/Div: Public Works / Engineering 3. Project Year(s): 2016-2020 (Annual)

4. Type: New Repair/Replace X 5. Project Location: Various Locations

6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. 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. Proposed 2016 projects include:

- NE Seward Avenue from Branner St. to Rice Road -- Phase 2
- SW Hope Street from 17th to 21st, Phase 2
- 6th Avenue from Wanamaker Road to west of I-70 Bridges -- Phase 2
- SW Clay from 6th to 10th
- SW 25th Street from Wanamaker Rd. to Fairlawn Road -- Phase 1
- SW Belle Avenue from 17th Street to 21st Street
- S. Topeka Blvd. from 7th Street to 11th Street
- SW Wanamaker Road from 6th to Huntoon and Winding Road to 21st Street
- SW 21st Street from Westridge Dr. to Wanamaker Rd.
- Bridge Repair Program
- Local Street Repair Program

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	Annual	\$ 800,000	Operating costs include pavement maintenance and pavement markings. The funding source is primarily Motor Fuel Tax. This project will provide a net reduction in operating costs by reducing the maintenance needs of the existing deteriorated pavement.	
b. Right-of Way		-		
c. Construction/Service Fees	Annual	13,300,000		
d. Contingency		200,000		
e. Financing Costs (Temp Notes)		-		
f. Cost of Issuance (Rev/GO Bonds)		-		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 14,300,000		
Estimated Life of Item (years):		<u>10 to 30 years</u>		
Source of Estimate/Year:		<u>Eng. Div. -- 2014</u>		

11. Amount by source of financing

	1. Citywide Half-Cent Sales Tax	2.	3.	4.	5.	TOTAL
2016	14,300,000					\$14,300,000
2017	14,500,000					\$14,500,000
2018	14,700,000					\$14,700,000
2019	14,900,000					\$14,900,000
2020	15,100,000					\$15,100,000
TOTAL	\$73,500,000	\$0	\$0	\$0	\$0	\$73,500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: ADA Sidewalk Ramp Program

2. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2016-2020 (Annual)

4. Type: New X Repair/Replace 5. Project Location: Various Locations throughout City

6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. Project Description: This project provides for the installation of accessible curb cuts and sidewalk ramps at intersections throughout the City in accordance with the American with Disabilities Act Accessibility Guidelines.

9. Project Schedule and Estimate			10. Est. 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 are minimal. If maintenance is required, the primary funding source is Motor Fuel Tax.	
b. Right-of Way		-		
c. Construction/Service Fees	Annual	260,000		
d. Contingency		20,000		
e. Financing Costs (Temp Notes)		-		
f. Cost of Issuance (Rev/GO Bonds)		-		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 300,000		
Estimated Life of Item (years): <u>30 years</u>				
Source of Estimate/Year: <u>Eng. Div. -- 2014</u>				

11. Amount by source of financing

	1. Citywide Half-Cent Sales Tax	2.	3.	4.	5.	TOTAL
2016	300,000					\$300,000
2017	300,000					\$300,000
2018	300,000					\$300,000
2019	300,000					\$300,000
2020	300,000					\$300,000
TOTAL	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Curbs, Gutter & Street Maintenance and Repair
 2. Dept/Div: Public Works / Street Maintenance & Traffic Op. Div. 3. Project Year(s): 2016-2020
 4. Type: New Repair/Replace X 5. Project Location: Various Locations Citywide
 6. Contact Name: Ron Raines 7. Contact Phone: 368- 0929

7. Project Description: This project will provide maintenance and repairs to existing curbs, gutters, and streets as directed by the Street Maintenance and Traffic Operations Division at locations throughout the City.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	Year	Amount	Basis for Cost Estimate and Funding Source:
a. Design/Administrative Fees	Annual	\$ 20,000	Operating costs include pavement markings and pavement maintenance. 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.
b. Right-of Way		-	
c. Construction/Service Fees	Annual	1,450,000	
d. Contingency		30,000	
e. Financing Costs (Temp Notes)		-	
f. Cost of Issuance (Rev/GO Bonds)		-	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 1,500,000	
Estimated Life of Item (years):	<u>10 to 30 years</u>		
Source of Estimate/Year:	<u>Streets / 2014</u>		

11. Amount by source of financing

	1. Citywide Half-Cent Sales Tax	2.	3.	4.	5.	TOTAL
2016	1,500,000					\$1,500,000
2017	1,500,000					\$1,500,000
2018	1,500,000					\$1,500,000
2019	1,500,000					\$1,500,000
2020	1,500,000					\$1,500,000
TOTAL	\$7,500,000	\$0	\$0	\$0	\$0	\$7,500,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Alley Repair

2. Dept/Div: Public Works / Street Maint. And Traffic Op. Div. 3. Project Year(s): 2016-2020

4. Type: New Repair/Replace X 5. Project Location: Various Locations/Citywide

6. Contact Name: Ron Raines 7. Contact Phone: 368-0929

7. Project Description: This project will perform work on existing alleys throughout the City.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u> Operating costs include pavement 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.
a. Design/Administrative Fees	Annual	\$ 20,000	
b. Right-of Way		-	
c. Construction/Service Fees	Annual	215,000	
d. Contingency		15,000	
e. Financing Costs (Temp Notes)		-	
f. Cost of Issuance (Rev/GO Bonds)		-	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 250,000	
Estimated Life of Item (years): <u>10 to 30 years</u>			
Source of Estimate/Year: <u>Street Maint./2014</u>			

11. Amount by source of financing

	1. Citywide Half-Cent Sales Tax	2.	3.	4.	5.	TOTAL
2016	250,000					\$250,000
2017	250,000					\$250,000
2018	250,000					\$250,000
2019	250,000					\$250,000
2020	250,000					\$250,000
TOTAL	\$1,250,000	\$0	\$0	\$0	\$0	\$1,250,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Sidewalk Repair 50/50

2. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2016-2020

4. Type: New Repair/Replace X 5. Project Location: Various Locations throughout the City

6. Contact Name: Shawn Bruns 7. Contact Phone: 368- 3033

7. Project Description: This project will repair existing deteriorated sidewalks at various locations city-wide. The project provides matching funds to allow property owners to repair sidewalks that are out of compliance with current codes.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	Year	Amount	
a. Design/Administrative Fees			<u>Basis for Cost Estimate and Funding Source:</u> Operating costs are minimal but by City Code, sidewalk maintenance is the responsibility of the abutting property owner.
b. Right-of Way		-	
c. Construction/Service Fees	Annual	60,000	
d. Contingency		-	
e. Financing Costs (Temp Notes)		-	
f. Cost of Issuance (Rev/GO Bonds)		-	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 60,000	
Estimated Life of Item (years): <u>30 years</u>			
Source of Estimate/Year: <u>Eng. Div. -- 2013</u>			

11. Amount by source of financing

	1. Citywide Half-Cent Sales	2.	3.	4.	5.	TOTAL
2016	60,000					\$60,000
2017	60,000					\$60,000
2018	60,000					\$60,000
2019	60,000					\$60,000
2020	60,000					\$60,000
TOTAL	\$300,000	\$0	\$0	\$0	\$0	\$300,000



Federal Fund Projects

City of Topeka

Capital Improvement Project Summary

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

7. 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>
a. Design/Administrative Fees	2016	\$70,000	Replacement of the existing bridge structure will reduce the expenditure of annual bridge maintenance funds.
b. Right-of Way	2017	50,000	
c. Construction/Service Fees	2018	700,000	
d. Contingency		30,000	
e. Financing Costs (Temp Notes)		-	
f. Cost of Issuance (Rev/GO Bonds)		-	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 850,000	
Estimated Life of Item (years):	<u>30 years</u>		
Source of Estimate/Year:	<u>Eng. Div. -- 2014</u>		

11. Amount by source of financing

	1. Fed. Fund Exchange	2.	3.	4.	5.	TOTAL
2016	70,000					\$70,000
2017	50,000					\$50,000
2018	730,000					\$730,000
2019						\$0
2020						\$0
TOTAL	\$850,000	\$0	\$0	\$0	\$0	\$850,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Bridge on SW 3rd Street over Ward Creek

2. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2017-2019

4. Type : New Repair/Replace X 5. Project Location: SW 3rd St. over Ward Creek

6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	2017	\$75,000	Replacement of the existing bridge structure will reduce the expenditure of annual bridge maintenance funds.	
b. Right-of Way	2018	50,000		
c. Construction/Service Fees	2019	720,000		
d. Contingency		30,000		
e. Financing Costs (Temp Notes)		-		
f. Cost of Issuance (Rev/GO Bonds)		-		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 875,000		
Estimated Life of Item (years): <u>30 years</u>				
Source of Estimate/Year: <u>Eng. Div. -- 2014</u>				

11. Amount by source of financing

	1. Fed. Fund Exchange	2.	3.	4.	5.	TOTAL
2016						\$0
2017	75,000					\$75,000
2018	50,000					\$50,000
2019	750,000					\$750,000
2020						\$0
TOTAL	\$875,000	\$0	\$0	\$0	\$0	\$875,000

City of Topeka

Capital Improvement Project Summary

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

7. 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees	2018	\$ 80,000	Replacement of the existing bridge structure will reduce the expenditure of annual Bridge Maintenance Funds.	
b. Right-of Way	2019	70,000		
c. Construction/Service Fees	2020	800,000		
d. Contingency		50,000		
e. Financing Costs (Temp Notes)		-		
f. Cost of Issuance (Rev/GO Bonds)		-		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 1,000,000		
Estimated Life of Item (years):	<u>30 years</u>			
Source of Estimate/Year:	<u>Eng. Div. -- 2014</u>			

11. Amount by source of financing

	1. Fed. Fund Exchange	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018	80,000					\$80,000
2019	70,000					\$70,000
2020	850,000					\$850,000
TOTAL	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Cyrus K. Holliday Building Boiler and Carpet Replacement
 2. Dept/Div: Public Works/Facilities Maintenance 3. Project Year(s): 2016
 4. Type: New Repair/Replace X 5. Project Location: 620 SE Madison
 6. Contact Name: Bill Kroll, Facilities Manager 7. Contact Phone: 368-3934

7. Project Description: HVAC: Steam boiler with converter to hydronic VAV heat. Air to air AC. Generally in good condition though steam boiler is major energy waste. Recommend replacement of single steam boiler to a pair of high efficiency hot water heating boilers within next 5 years.
 Interior: Traffic area carpet replacement needed within 3-5 years

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2016	\$15,000
b. Right-of Way		-
c. Construction/Service Fees	2016	\$90,000
d. Contingency		\$7,500
e. Financing Costs (Temp Notes)		-
f. Cost of Issuance (Rev/GO Bonds)		-
g. Debt Reserve Fund (Rev Bonds)		-
h. Capitalized Interest		-
Project Total		\$ 112,500
Estimated Life of Item (years):	<u>20 Years</u>	
Source of Estimate/Year:	<u>Facilities 2014</u>	

11. Amount by source of financing

	1. General Fund Cash	2.	3.	4.	5.	TOTAL
2016	112,500					\$112,500
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$112,500	\$0	\$0	\$0	\$0	\$112,500



General Fund and Other Fund Cash Projects

City of Topeka

Capital Improvement Project Summary

1. Project Title: Fire Station Renovations

2. Dept/Div: Public Works/Facilities Maintenance 3. Project Year(s): 2016-2018

4. Type: New Repair/Replace X 5. Project Location: TFD #2, 3, 4, 10 and 11

6. Contact Name: Bill Kroll, Facilities Manager 7. Contact Phone: 368-3934

7. Project Description: A series of renovations are needed to several fire stations. The approximate schedule is as follows, but may be adjusted as needed. 1) TFD # 11: Built in 1972; project includes locker room and kitchen renovations, drive approaches and windows. 2) TFD # 4: Built in 1927; Project includes window and boiler replacements. 3) TFD # 10: Built in 1960; Project includes locker room and kitchen renovations and lighting upgrades. 4) TFD # 2: Built in 1992; Project includes replacement of HVAC, carpet and lighting. 5) TFD # 3: Built in 1961; Project includes HVAC, locker room and kitchen renovations, lighting and pipe replacements.

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2016-2018	\$15,000
b. Right-of Way		-
c. Construction/Service Fees	2016-2018	\$330,000
d. Contingency	2016-2018	\$15,000
e. Financing Costs (Temp Notes)		-
f. Cost of Issuance (Rev/GO Bonds)		-
g. Debt Reserve Fund (Rev Bonds)		-
h. Capitalized Interest		-
Project Total		<u>\$360,000</u>
Estimated Life of Item (years):	<u>20</u>	
Source of Estimate/Year:	<u>Facilities 2014</u>	

11. Amount by source of financing

	1. General Fund Cash	2.	3.	4.	5.	TOTAL
2016	60,000					\$60,000
2017	120,000					\$120,000
2018	180,000					\$180,000
2019						\$0
2020						\$0
TOTAL	\$360,000	\$0	\$0	\$0	\$0	\$360,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Police Department Fleet Replacement

2. Dept/Div: Police Department 3. Project Year(s): 2016-2020

4. Type: New X Repair/Replace 5. Project Location: Law Enforcement Center

6. Contact Name: Chief James Brown / Major Scott Conklin 7. Contact Phone: 368-9277

7. Project Description: The Topeka Police Department is requesting to replace many of the front-line fleet of cars. This request is made to obtain necessary equipment for each replaced vehicle. This will allow us to replace patrol vehicles that operate 24 hours a day 7 days a week and, in turn, use those vehicles to replace other vehicle in the fleet, some of which have in excess of 100,000 miles on them. Allowing for this process to move forward enables us to replace all of our twenty-seven (27) territory/supervisory vehicles that run 24/7 on a some what consistent basis. This approach will allow us to roll vehicles with 50,000-60,000 miles down through the fleet to be used by our Response Team, CSI, Detectives, SRO's, Community Policing, Recruiting and Hiring and Training unit personnel. It will also allow us to replace the vehicles we use for our Emergency Vehicle Training which is a mandatory 40 hour training course for all sworn new hires. That fleet current has 6 vehicles that are all over 10 years old in excess of 100,000.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees			- General Fund, Police Department General Fund	
b. Right-of Way			- Budget currently has \$900,000 budgeted for fleet replacement - request would be to convert from lease purchase to buying vehicles outright.	
c. Construction/Service Fees	Annual	Varies	- FY2016 \$600,000 current lease obligation + \$250,000 outright purchase, FY2017 \$300,000 current lease obligation + \$250,000 outright purchase, FY2018 \$300,000 current lease obligation + \$250,000 outright purchase, FY2019 \$250,000 outright purchase, FY2020 outright purchase. Lease payments would be completed FY2018.	
d. Contingency				
e. Financing Costs (Temp Notes)				
f. Cost of Issuance (Rev/GO Bonds)				
g. Debt Reserve Fund (Rev Bonds)				
h. Capitalized Interest				
Project Total		\$		
Estimated Life of Item (years):	<u>5 years</u>			
Source of Estimate/Year:	<u>2015</u>			

11. Amount by source of financing

	1. General Fund Cash	2.	3.	4.	5.	TOTAL
2016	850,000					\$850,000
2017	550,000					\$550,000
2018	550,000					\$550,000
2019	250,000					\$250,000
2020	250,000					\$250,000
TOTAL	\$2,450,000	\$0	\$0	\$0	\$0	\$2,450,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Portable Digital Imaging System (X-Ray Machine)
 2. Dept/Div: Zoo 3. Project Year(s): 2016
 4. Type: New Repair/Replace X 5. Project Location: Topeka Zoological Park
 6. Contact Name: Brendan Wiley 7. Contact Phone: 368-9131

7. Project Description: This project would purchase a digital x-ray machine to replace the zoo's current x-ray machine. Not all animals are able to travel to the zoo's veterinary hospital when they are in need of radiographs. This equipment will allow near real time viewing of radiographs taken in the animals living environment. Quality of images taken far exceeds the analog system: in detail, clarity, contrast; all of which help to interpret findings. It is suitable to radiograph animals of all sizes, from mouse to elephant and is safer than our current system for both staff and animals. The Zoo expects to get private donations to cover a portion of this project.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u>	
a. Design/Administrative Fees		\$ -	Purchase of this item will reduce annual operating costs as we will not have to maintain a film developer.	
b. Right-of Way		-		
c. Construction/Service Fees	2016	91,140		
d. Contingency		-		
e. Financing Costs (Temp Notes)		-		
f. Cost of Issuance (Rev/GO Bonds)		-		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 91,140		
Estimated Life of Item (years):	<u>20 Years</u>			
Source of Estimate/Year:	<u>2014 Manufacture Quote</u>			

11. Amount by source of financing

	1. General Fund Cash	2.	3.	4.	5.	TOTAL
2016	91,140					\$91,140
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$91,140	\$0	\$0	\$0	\$0	\$91,140

City of Topeka

Capital Improvement Project Summary

1. Project Title: Law Enforcement Building - Surveillance System
 2. Dept/Div: Police Department 3. Project Year(s): 2016
 4. Type: New X Repair/Replace 5. Project Location: Law Enforcement Center
 6. Contact Name: Chief James Brown / Major Scott Conklin 7. Contact Phone: 368-9277

Project Description: The Topeka Police Department is using a nearly twenty year old security camera system that is in need of dire replacement. Technology and advancements in the ability of cameras systems has resulted in our not being able to replace parts as need because of the age of the system. Additionally, surveys of the building by vendors have shown the number of cameras needed to provide complete safety and security is much greater than the current number of working cameras. It is essential that The Law Enforcement Center be able to monitor those who come and go for the purposes of identification as well as the safety and security of the 370 city employees who work out of the building.

9. Project Schedule and Estimate		<u>Year</u>	<u>Amount</u>	10. Est. Annual Operating Cost
a. Design/Administrative Fees				Basis for Cost Estimate and Funding Source: General Fund, request would result in an increase to the Police Department's General Fund budget to fund the addition of a surveillance system to the Law Enforcement Center.
b. Right-of Way			-	
c. Construction/Service Fees		2016	117,536	
d. Contingency			-	
e. Financing Costs (Temp Notes)			-	
f. Cost of Issuance (Rev/GO Bonds)			-	
g. Debt Reserve Fund (Rev Bonds)			-	
h. Capitalized Interest			-	
Project Total			\$ 117,536	
Estimated Life of Item (years):		<u>10 years</u>		
Source of Estimate/Year:		_____		

11. Amount by source of financing

	1. General Fund Cash	2.	3.	4.	5.	TOTAL
2016	117,536					\$117,536
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$117,536	\$0	\$0	\$0	\$0	\$117,536

City of Topeka

Capital Improvement Project Summary

1. Project Title: Parking Garage Systems (Hardware and software) Upgrades
 2. Dept/Div: Public Works/Facilities-Parking Maintenance 3. Project Year(s): 2016
 4. Type: New Repair/Replace X 5. Project Location: Downtown Topeka
 6. Contact Name: Bill Kroll, Facilities Manager 7. Contact Phone: 368-3934

7. 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.

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	<u>Basis for Cost Estimate and Funding Source:</u> Estimates provided by Fisher Parking. Funding source from the Enterprise Parking fund.
a. Design/Administrative Fees	2016	\$15,000	
b. Right-of Way		-	
c. Construction/Service Fees	2016	\$625,000	
d. Contingency	2016	\$50,000	
e. Financing Costs (Temp Notes)		-	
f. Cost of Issuance (Rev/GO Bonds)		-	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 690,000	
Estimated Life of Item (years): <u>10 years</u>			
Source of Estimate/Year: <u>Staff 2014</u>			

11. Amount by source of financing

	1. Parking Fund Cash	2.	3.	4.	5.	TOTAL
2016	690,000					\$690,000
2017						\$0
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$690,000	\$0	\$0	\$0	\$0	\$690,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Kansas River Weir Retrofit

2. Dept/Div: Public Works 3. Project Year(s): 2016-2017

4. Type: New X Repair/Replace 5. Project Location: Water Plant Weir, KS River

6. Contact Name: Doug Whitacre 7. Contact Phone: 368-3949

7. Project Description: Retrofit the current dam in order to enhance public safety, provide reasonable fish passage, maintain adequate upstream pool elevation for the intake and pumps, and provide navigation through the weir. The City intends to pay for the project with cash from several potential sources to be determined based on cash availability (additional federal funds, utility funds, general funds, etc).

9. Project Schedule and Estimate

	<u>Year</u>	<u>Amount</u>
a. Design/Administrative Fees	2016	\$ 350,000
b. Right-of Way		-
c. Construction/Service Fees	2017	1,900,000
d. Contingency		
e. Financing Costs (Temp Notes)		-
f. Cost of Issuance (Rev/GO Bonds)		-
g. Debt Reserve Fund (Rev Bonds)		-
h. Capitalized Interest		-
Project Total		\$ 2,250,000

Estimated Life of Item (years): 30 years

Source of Estimate/Year: 2013 Study

11. Amount by source of financing

	1. Federal Funds	2. Private Donations	3. Cash	4.	5.	TOTAL
2016			350,000			\$350,000
2017	500,000	300,000	1,100,000			\$1,900,000
2018						\$0
2019						\$0
2020						\$0
TOTAL	\$500,000	\$300,000	\$1,450,000	\$0	\$0	\$2,250,000



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. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2017-2018
 4. Type: New Repair/Replace X 5. Project Location: SW 6th Ave. --Gage to Fairlawn
 6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. 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 an extension of the Countywide Half Cent sales tax to take effect January 1, 2017. **Note that exact years and funding amounts are proposed at this time and may change.**

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2017-18	\$ 450,000	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	2017-18	150,000		
c. Construction/Service Fees	2018	4,900,000		
d. Contingency		100,000		
e. Financing Costs (Temp Notes)		-		
f. Cost of Issuance (Rev/GO Bonds)		-		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 5,600,000		
Estimated Life of Item (years):	<u>30 years</u>			
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>			

11. Amount by source of financing

	1. Countywide Half Cent Sales	2.	3.	4.	5.	TOTAL
2016						\$0
2017	500,000					\$500,000
2018	5,100,000					\$5,100,000
2019						\$0
2020						\$0
TOTAL	\$5,600,000	\$0	\$0	\$0	\$0	\$5,600,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Zoo Master Plan

2. Dept/Div: Topeka Zoo 3. Project Year(s): 2016-2020

4. Type: Renovate/Replace 5. Project Location: Topeka Zoo

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

7. Project Description: Implementation of the Zoo Master Plan was approved as part of the extension of the Countywide Sales Tax vote. This project sheet represents just the portion of the project which is estimated to be completed between 2016-2020, which includes the following projects: 1) Tiger Trails: Tiger Trails is a project that will move the zoo's Sumatran Tiger exhibit to the Asian area of the zoo. This will make room for the following elephant exhibit expansion while at the same time strengthening the educational value of the tiger exhibit. Tiger Trails will be designed in a way that allows continued participation in the Sumatran Tiger breeding program and will add cultural elements to the exhibit as well. 2) Elephant Reserve: Elephant Reserve will expand both the elephant holding building and outdoor elephant exhibit at the Topeka Zoo. The holding building will approximately double in size and be able to hold up to eight elephants including a bull. The new design of the building 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. It will include a space for a bull elephant and an environment for cows and their potential offspring. Exhibit design will facilitate natural elephant behavior and abundant stimulation for the elephants throughout the day and night. 3) Giraffe Canopy is a project that will move the zoo's giraffe to a new exhibit on the East side of the zoo where the zoo's Children's Zoo is currently. Giraffe Canopy will build a new modern holding facility and will add an exhibit approximately an acre and a half in size. This experience will allow for both inside and outside giraffe feeding experiences and the size of the exhibit will accommodate additional species to be displayed with the giraffe. **Note that exact years and funding amounts are proposed at this time and may change.**

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	<u>Year</u>	<u>Amount</u>	Basis for Cost Estimate and Funding Source: All three projects will be funded through a combination of dedicated Countywide Half Cent Sales Tax funds and Donations.
a. Design/Administrative Fees	2016-2017	\$ 1,580,000	
b. Right-of Way		-	
c. Construction/Service Fees	2018-2020	12,640,000	
d. Contingency	2018-2021	1,580,000	
e. Financing Costs (Temp Notes)		-	
f. Cost of Issuance (Rev/GO Bonds)		-	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 15,800,000	
Estimated Life of Item (years):	<u>30</u>		
Source of Estimate/Year:	<u>2012</u>		

11. Amount by source of financing

	1. Countywide Half Cent Sales Tax	2. Private Donations	3.	4.	5.	TOTAL
2016		300,000				\$300,000
2017		300,000				\$300,000
2018	1,500,000	1,200,000				\$2,700,000
2019	1,500,000	1,200,000				\$2,700,000
2020	5,000,000	4,800,000				\$9,800,000
TOTAL	\$8,000,000	\$7,800,000	\$0		\$0	\$15,800,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: Bikeways Master Plan

2. Dept/Div: Public Works -- Engineering / Planning 3. Project Year(s): 2018, 2020

4. Type: New X Repair/Replace 5. Project Location: Various

6. Contact Name: Jeff Hunt 7. Contact Phone: 368-3094

7. 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. ***Note that exact years and funding amounts are proposed at this time and may change.***

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2018-2020	\$ 25,000	Operating costs include replacing pavement markings and signs. The primary funding source is Motor Fuel Tax.	
b. Right-of Way		-		
c. Construction/Service Fees	2018-2020	250,000		
d. Contingency	2018-2020	25,000		
e. Financing Costs (Temp Notes)		-		
f. Cost of Issuance (Rev/GO Bonds)		-		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 300,000		
Estimated Life of Item (years):	<u>10-30 years</u>			
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>			

11. Amount by source of financing

	1. Countywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018	300,000					\$300,000
2019						\$0
2020	600,000					\$600,000
TOTAL	\$900,000	\$0	\$0	\$0	\$0	\$900,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: 12th Street -- Gage Boulevard to Kansas Avenue
 2. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2019-2022
 4. Type: New Repair/Replace X 5. Project Location: 12th Street --Gage to Kansas
 6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. Project Description: This project provides funding for replacing 12th Street between Gage Blvd. and Kansas Avenue in conjunction with a citywide 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. **Note that exact years and funding amounts are proposed at this time and may change.**

9. Project Schedule and Estimate			10. Est. Annual Operating Cost
	Year	Amount	Basis for Cost Estimate and Funding Source:
a. Design/Administrative Fees	2019-20	\$ 600,000	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	2020	200,000	
c. Construction/Service Fees	2021-22	6,800,000	
d. Contingency	2020-22	300,000	
e. Financing Costs (Temp Notes)		-	
f. Cost of Issuance (Rev/GO Bonds)		-	
g. Debt Reserve Fund (Rev Bonds)		-	
h. Capitalized Interest		-	
Project Total		\$ 7,900,000	
Estimated Life of Item (years):	<u>30 years</u>		
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>		

11. Amount by source of financing

	1. Countywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018						\$0
2019	500,000					\$500,000
2020	300,000					\$300,000
TOTAL	\$800,000	\$0	\$0	\$0	\$0	\$800,000

City of Topeka

Capital Improvement Project Summary

1. Project Title: SE California Avenue -- SE 37th Street to SE 45th Street
 2. Dept/Div: Public Works -- Engineering 3. Project Year(s): 2020
 4. Type: New Repair/Replace X 5. Project Location: SE California Ave. 37th to 45th
 6. Contact Name: Shawn Bruns 7. Contact Phone: 368-3033

7. 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 2022. ***Note that exact years and funding amounts are proposed at this time and may change.***

9. Project Schedule and Estimate			10. Est. Annual Operating Cost	
	Year	Amount	Basis for Cost Estimate and Funding Source:	
a. Design/Administrative Fees	2020-21	\$ 450,000	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	2021	150,000		
c. Construction/Service Fees	2022	4,800,000		
d. Contingency	2020-22	200,000		
e. Financing Costs (Temp Notes)		-		
f. Cost of Issuance (Rev/GO Bonds)		-		
g. Debt Reserve Fund (Rev Bonds)		-		
h. Capitalized Interest		-		
Project Total		\$ 5,600,000		
Estimated Life of Item (years):	<u>30 years</u>			
Source of Estimate/Year:	<u>Eng. Div. -- 2015</u>			

11. Amount by source of financing

	1. Countywide Half Cent Sales Tax	2.	3.	4.	5.	TOTAL
2016						\$0
2017						\$0
2018						\$0
2019						\$0
2020	400,000					\$400,000
TOTAL	\$400,000	\$0	\$0	\$0	\$0	\$400,000



Appendix

UNFUNDED PROJECT 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.

Project Title	Type of Project	Estimated Unfunded Amount	Reason for Project
SW 10th Avenue -- SW Wanamaker Road to SW Gerald Lane	Street	2,000,000	Road Expansion; Future Commercial Development
SW Huntoon Street -- SW Executive Drive to SW Urish Road	Street	3,800,000	Road Expansion; Future Residential Development
Replacement of Medians	Street	300,000	Maintenance
Union Pacific Railroad Pedestrian Crossing N. Kansas Ave/NOTO	Street	1,300,000	Safety
SW Wanamaker - 6 th to loop road entrance	Street	<i>To be determined</i>	Road Expansion; Future Office/Medical Campus Development
Southwest Parkway - Gage to Wanamaker	Street	<i>To be determined</i>	New Road Construction; Future Development
SW Fairlawn - 37 th to Southwest Parkway	Street	<i>To be determined</i>	New Road Construction; Future Development
SW Urish - 21 st to 29 th	Street	<i>To be determined</i>	Road Expansion
SW Urish - 17 th to Huntoon	Street	<i>To be determined</i>	Road Expansion; Future Development
SW 45 th - Gage to Burlingame	Street	<i>To be determined</i>	Road Expansion; Future Residential Development
SW 49 th - Topeka to Wenger	Street	<i>To be determined</i>	Road Expansion; Future Industrial Development
SW 57 th - Topeka to Hwy 75	Street	<i>To be determined</i>	Road Expansion; Future Industrial Development
SE Indiana - 45 th to 42 nd	Street	1,500,000	New Road Construction; Future Residential Development
LEC Parking Lot Improvements	Facility	500,000	Maintenance
Wastewater Replacement Program (<i>Partially Funded</i>)	Utility	7,500,000	Maintenance
Storm Conveyance System Rehab (<i>Partially Funded</i>)	Utility	13,500,000	Maintenance
Water Main Replacement Program (<i>Partially Funded</i>)	Utility	5,000,000	Maintenance
Water Plant Rehabilitation Program (<i>Partially Funded</i>)	Utility	1,750,000	Maintenance
WTP High Service Pumping Emergency Power	Utility	2,763,400	System Resiliency
Strait at Seward; South - 2nd - Tefft	Utility	2,233,400	Capacity Improvements
Fairlawn; 45th - 53rd and East - Burlingame	Utility	4,301,400	Growth
41st & California east to West Edge & south to 45th St	Utility	2,195,000	Capacity Improvements
Burlingame; 49th to 57th and east to Wenger	Utility	4,951,400	System Reliability
East High Service Pumping Electrical Controls	Utility	2,363,400	System Resiliency
Tefft from 2nd to 6th St & 6th east to Norwood - Ph. I	Utility	4,172,300	Capacity Improvements
California from 21st to 28th (33rd) - Ph. I	Utility	2,726,500	Capacity Improvements
57th & Wenger to 65th & Westview	Utility	2,529,600	System Reliability
Fairlawn - 41st (Skyline Dr) to 45th and East to Gage	Utility	3,141,500	Growth
West Elevated Tank (West Zone)	Utility	5,464,900	Capacity Improvements
Disinfection Modification Phase I	Utility	10,000,000	Regulatory Compliance
Disinfection Modification Phase II	Utility	12,000,000	Regulatory Compliance
South Elevated Tank; SW 65th Street	Utility	5,360,690	Capacity Improvements
Estimated Total		101,353,490	

CITYWIDE HALF CENT SALES TAX STREET PROJECTS



The CIP includes Citywide Half-Cent Sales Tax funding each year for the maintenance and improvement of existing city streets. The total amount is approved in a combined amount (i.e. \$14,300,000 in 2016) but there are many specific projects which are completed with these funds. Below is a tentative list of what the City plans to use the funds for from 2016-2020. *Note that projects beyond 2016 are tentative, as each year needs are reassessed and resources reallocated based on updated street conditions and priorities.*

2016

SW Hope Street from 17th Street to 21st Street, Ph. 2
 NE Seward Avenue from Branner Street to Rice Road, Ph. 2
 SW 6th Avenue from Wanamaker Road to I-70 Bridge, Ph. 2
 SW Clay Street from 6th Street to 10th Street
 SW 25th Street from Wanamaker Road to Arrowhead Road
 SW Belle Avenue from 17th Street to 21st Street
 S Topeka Blvd. from 7th Street to 11th Street
 SW Wanamaker Road from 6th Street to Huntoon Street & Winding Road to 21st Street – Mill & Overlay
 SW 21st Street from Westridge Drive to Wanamaker Road
 Bridge Repair Program – As identified in Bi-Annual Bridge Inspections
 Local Street Repair Program in Central Park and Chesney Park areas

2017 Tentative Projects

SW 29th Street from Burlingame Road to Topeka Blvd.
 NW Tyler Street from Lyman Road to Hwy 24
 SE Fremont Street from 29th Street to 31st Street
 SW 25th Street from Arrowhead Road to Fairlawn Road
 SW Oakley Avenue from 10th Street to 12th Street
 S. Kansas Avenue from 17th Street to 21st Street
 N. Kansas Avenue from Curtis Street to Norris Street
 SE 10th Avenue & Rice Road
 Bridge Repair Program – As identified in Bi-Annual Bridge Inspections
 Local Street Program in Prospect Hills and West Hills areas

2018 Tentative Projects

SE Adams Street from 29th Street to 33rd Street
 SW Gage Blvd. from 21st Street to 25th Street
 S. Topeka Blvd. from 37th Street to 49th Street
 S. Kansas Avenue from 10th Street to 17th Street
 N. Vail Avenue from Gordon Street to Hwy 24 Frontage Road
 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 College Hill and North Topeka areas

2019 Tentative Projects

SE Adams Street from 33rd Street to 37th Street
 SW Gage Blvd. from 25th Street to 29th Street
 S. Topeka Blvd from 21st Street to 29th Street
 SW 21st Street from I-470 Bridges To Fairlawn Road
 SE Quincy Street from 6th Street to 10th Street
 Bridge Repair Program – As identified in Bi-Annual Bridge Inspections
 Local Street Repair Program in Central Highland Park, Tennessee Town & Historic Holliday Park areas

2020 Tentative Projects

SW Gage Blvd. from I-70 to 6th Street
 SW 6th Avenue from Wanamaker Road west to Museum Drive
 SE 29th Street from Kansas Avenue to Adams Street
 SW Fairlawn Road from 23rd Street to 29th Street
 Bridge Repair Program – As identified in Bi-Annual Bridge Inspections
 Local Street Program in Oakland and East Topeka areas