

2019-2020

CAPITAL IMPROVEMENTS MANUAL



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Introduction

Capital improvement programming is a cornerstone of sound financial planning and local government fiscal policy. It also is an effective planning tool to assist communities identify and prioritize immediate and long-term needs in the context of existing capacity and resources and facilitates the formulation of long-term strategies to address trends and changes in service level demands.

The Capital Improvement Program (CIP) provides a linkage between planning, budgeting, and implementation that maximizes efficiency and effectiveness. It enables the City to identify opportunities and constraints and leverage those opportunities to develop strategies that address priorities and demonstrates good stewardship of scarce public resources.

The CIP covers a five-year planning period, but is re-evaluated and published each year to reflect changing needs, new opportunities and City Council priorities and goals. The CIP does not appropriate funds; rather it functions as a planning and budgeting tool, with support of the actual appropriations made through the adoption of the annual City budget in September.

The CIP program continues to focus on maintenance-related items and replacement of mission-critical equipment with limited investment in new infrastructure, equipment, or programming.

Overview of Fiscal Years 2019-2020 to 2023-24

The Fiscal Years 2019-2020 to 2023-2024 describes the City’s “Priority and Strategic Areas” for long-term maintenance, equipment replacement, and capital investment based upon available resources and the priorities, goals, and objectives of the City Council. Although individual projects are listed and funded by Department (e.g. Community Development, Information Technology, Parks, Streets, Stormwater), this document outlines how they are linked with priorities established within adopted plans and future capital resource and expenditure forecasting. Table 1 outlines funded projects over the five-year period by category.

The Fiscal Year 2019-2020 CIP includes a significant increase in the maintenance category, almost double that of FY 2018-2019 CIP. This increase in the maintenance was anticipated in last year’s CIP Budget in order to address sewer and water infrastructure maintenance projects throughout the City.

Table 1: Funded Projects by Category-All Years

	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Project Area Total
Maintenance	\$14,358,693	\$ 9,431,260	\$ 6,568,900	\$ 4,991,670	\$5,148,531	\$40,499,054
Equipment Replacement	\$ 729,000	\$ 513,701	\$ 486,570	\$ 295,000	\$ 225,250	\$ 2,249,521
Capital Improvements	\$ 1,702,500	\$ 547,992	\$ 475,000	\$ 475,000	\$ 475,000	\$ 3,675,492
TOTAL	\$16,790,193	\$10,492,953	\$ 7,530,470	\$ 5,761,670	\$5,848,781	\$46,424,067

As reflected in Table 3 on page 5, the City's capital investment needs exceed the current level of available funding. Over the five-year plan period, 31 percent of the City's infrastructure and equipment needs are addressed. Current resources are not sufficient to address the entirety of the City's capital investment needs. This will result in a gap and will increase over time as City assets continue to age and deteriorate. This will result in increased maintenance and replacement costs in the future as the City's infrastructure continues to age and deteriorate. Additionally, continued expansion in the City's growth areas will place increased demands on the CIP to construct and maintain additional City assets. It will be critical to identify long-term solutions to address this gap in the future which is in-keeping with the Revenue Stability Goal of the Strategic Framework detailed on page 7 of this document.

Investment Categories

CIP projects are classified in one of three investment categories: Maintenance, Equipment Replacement, and Capital Improvements. These categories are further defined below as well as a listing of projects in each category for the 2019-2020 Fiscal Year. Table 3 (page 5) outlines *Funded* and *Unfunded Capital Needs* for all years by these categories.

Maintenance

The core of the five-year CIP Program relates to preventive measures or investments in order to keep the City's existing infrastructure and assets functional and in good repair. Over the five-year plan period, 47 percent of all projects, funded and unfunded, are maintenance-related. For the 2019-2020 Fiscal year, \$14,358,693 or 86 percent of the total CIP, is in the Maintenance category. This includes the following projects:

- CD-03 Downtown Revitalization
- PR-02-18 Wilbur Young Park Renovation
- PR-04018 Adams Pointe Golf Club Improvements
- PR-10-18 Adams Dairy Parkway Trail Replacement
- PR-11-18 Rotary Park Trail Replacement
- PR-40-18 Aquatics Facility – Aquatics Needs Study
- ST-06 Pavement Management Program
- ST-43 7 Highway Sidewalk Infill
- ST-44 Concrete Repair and Maintenance
- STM-06 Stormwater Maintenance
- SAN-07 Citywide Maintenance
- SNI-01 Sludge Removal
- SNI-04-19 Reed Bed Sludge Drying Facility
- WA-12 Miscellaneous Watermain Maintenance
- WA-14 Water Tank Maintenance Contract
- WA-19-20 South Outer Road Water Main Replacement

Equipment Replacement

While the City has a comprehensive maintenance program for all City equipment, it eventually reaches the end of its useful life. For the 2019-2020 Fiscal Year, \$729,200, or approximately 4 percent of the total CIP is in the Equipment Replacement category. This includes the following projects:

- IT-03 Upgrade MS Govern GEMS to Innoprise
- PS-10-20 Police Department Security System Upgrade
- PW-01 Public Works Asset Management Software
- ST-26 1.5 Ton Dump/Snow Truck
- SAN-20-19 Hydraulic Track Loader

Capital Improvements

A Capital Improvement Project relates to any investment in new infrastructure (e.g. new water or sewer line, etc.), significant reconstruction (e.g. reconstruction of existing roadway, etc.), or adds capacity to existing infrastructure (e.g. widening of an existing street, etc.). While the City's emphasis is on the maintenance of existing infrastructure, there are limited and strategic investments in new infrastructure over the plan period. For the 2019-2020 Fiscal Year, \$1,702,500 or approximately 10 percent, of the total CIP is related to Capital Improvements, which is more in-line with the City's historic investment in this area. The Capital Improvements category includes the following projects:

- SAN-23-20 Sewer Flushing Truck
- PR-70-19 Roscoe Righter Park – Conceptual Design
- PR-71-19 Southwest Park – Conceptual Design
- ST-53 7 Hwy and South Ave. Traffic Signal
- SAN-19 Sewer Infrastructure Deployment
- WA-17 Water Infrastructure Deployment

Program Changes

There are several changes in the 2019-2020 to 2023-2024 CIP program from the previous year's program. These changes include:

The addition of amounts in the new FY 2023-2024 of 13 previously funded projects and 7 new projects added to the unfunded list.

- Funded
 - CD-01 Comprehensive Plan Update
 - CD-03 Downtown Revitalization
 - ST-06 Pavement Management Program
 - ST-24 Snow Plow/Dump Truck
 - ST-27 Street Difference
 - ST-44 Concrete Repair and Maintenance
 - STM-06 Stormwater Maintenance
 - SAN-07 Citywide Maintenance
 - SAN-19 Sewer Infrastructure Deployment
 - SAN-20-19 Hydraulic Track Loader
 - WA-12 Miscellaneous Watermain Maintenance
 - WA-14 Water Tank Maintenance Contract
 - WA-17 Water Infrastructure Deployment

- Unfunded
 - BF-37-20 Adams Pointe Conference Center - Exterior Repairs
 - BF-38-20 Adams Pointe Conference Center - HVAC System Replacement
 - BF-39-20 Adams Pointe Conference Center - Roof Replacement
 - PS-10-20 Police Department Security System Upgrade
 - ST-58-20 ADP Street Lighting 2(Moreland School Road to Wyatt Road)
 - SAN-23-20 Sewer Flushing Truck
 - WA-19-20 South Outer Road Water Main Replacement

Table 2: CIP Programing by Fund

	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	TOTAL
General Fund	\$ 366,667	\$ 247,992	\$ 100,000	\$ 100,000	\$ 225,000	\$ 1,039,659
Public Safety Sales Tax Fund	\$ 145,000	\$ -	\$ -	\$ -	\$ -	\$ 145,000
Transportation Sales Tax Fund	\$ 3,440,000	\$ 3,131,981	\$3,308,570	\$ 3,244,000	\$3,262,000	\$16,386,551
Parks Sales Tax Fund	\$ 3,979,000	\$ 4,501,200	\$ 1,607,500	\$ -	\$ -	\$10,087,700
Fieldhouse Fund	\$ -	\$ -	\$ 190,000	\$ -	\$ -	\$ 190,000
Water Fund	\$ 2,363,859	\$ 1,230,380	\$1,010,400	\$ 1,093,670	\$1,045,531	\$ 6,743,840
Sewer Fund	\$ 5,443,667	\$ 1,321,400	\$1,254,000	\$ 1,264,000	\$1,256,250	\$10,539,317
Other	\$ 1,052,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 1,292,000
TOTAL	\$16,790,193	\$10,492,953	\$7,530,470	\$5,761,670	\$5,848,781	\$46,424,067

Summary of Five-Year Funded and Unfunded Capital Needs

The priority and strategic investment areas for projects within the CIP are consistent with City Council priorities that include maintenance and reinvestment in critical infrastructure and assets, replacement of equipment that has reached the end of its useful life, and deployment of infrastructure to facilitate development and provides comprehensive service solutions:

- Parks and Recreation maintenance projects: 19 Parks and Recreation maintenance projects are funded over the plan period with an additional 34 maintenance projects on the Unfunded list. FY 2022-2023 and FY 2023-2024 do not show funding under the Parks Sales Tax Fund as the tax sunsets in 2022.
- ST-06: \$13.7.M, or 29.5% of the five-year CIP is currently proposed for the annual Pavement Management Program
- ST-44: The Concrete Repair and Maintenance Program (formerly Sidewalk Repair and Maintenance Program) reflects an approach adopted in late 2015 to address the sidewalk repair and replacement program that funds an in-house flatwork crew. \$2,027,450 or 4.3%, is proposed over the plan period.
- CD-03: Leverages CDBG funds to make strategic investments in the Downtown District to facilitate continued redevelopment of this critical area of the City. \$300,00 is proposed over the plan period.
- SAN-19 and WA-17: Provides ongoing funding to deploy sewer and water infrastructure solutions to facilitate the continued development of the City with comprehensive, long-term solutions.

Development of the CIP continues to be informed by trends and priorities identified in the DirectionFinder citizen survey and the City Council Strategic Plan Framework. Consistent with past practice, the CIP reflects a balance between an ongoing emphasis on annual street rehabilitation without eliminating other important priorities and needs. However, the capacity to continue this balance on a sustained basis decreases with each year and any flexibility is virtually exhausted.

The CIP reflects the City’s philosophy of sound fiscal policies and long-range financial planning. Projects are prioritized to address on-going maintenance, correct an existing deficiency, or replace key equipment necessary to meet the ongoing service level targets. Table 2 outlines CIP programming by fund.

While the City is maximizing investments in CIP-related projects, there are unfortunately many

important projects that cannot be completed as a result of resource constraints, *Unfunded Capital Needs* total \$102.4m and are broken out by category in Table 3 (page 5) and listed by Department in Figure 3 on pages 15.

As Table 3 reflects, funded and unfunded Capital Needs brings the five-year CIP to approximately \$148.7 million dollars. The Funded portion of the CIP represent approximately 31% of the total estimated project costs associated with the CIP budget; this means that nearly 69% of the City’s capital investment needs are not being met over the five-year period.

Table 3: Capital Investment Needs by Category-All Years

	Funded	Unfunded Capital Needs	Project Type Total
Maintenance	\$40,499,054	\$29,990,500	\$70,489,554
Equipment Replacement	\$2,249,521	\$845,000	\$3,094,521
Capital Improvements	\$3,675,492	\$71,517,500	\$75,192,992
TOTAL	\$46,424,067	\$102,353,000	\$148,777,067

Capital Improvement Project Defined

In developing a CIP, it is important to distinguish between operating and capital expenses. Generally, these items are defined based on their cost and frequency of occurrence. Operating items are those that represent on-going operating expenses, such as maintenance, outside of one-time capital expenditures. Presented below are the definitions developed specifically for the City of Blue Springs for capital expenses that should be included in the CIP budget:

- Any acquisition of land for public use.
- Any construction of a new public facility (e.g., a public building, a public street, water and sewer lines, parks, play field, or the like) or an addition to, or extension of, such a facility.
- A nonrecurring rehabilitation or replacement of existing public facilities, or major repair of all or a part of a public facility, provided that the cost is \$50,000 or more.
- Purchase of major equipment of \$50,000 or more (either one item or a number of items with a cumulative one-time purchase of \$50,000 or over) and a useful life of 5 years or more.
- Planning, feasibility, engineering, or design studies and services immediately related to an individual capital improvement project.

Evaluation Criteria

A clear set of criteria has been established and is applied in the formulation of the CIP. These criteria reflect community values, priorities, and needs. It is important to note that the criteria, as listed in Figure 1 (page 6), are weighted as to level of importance—fiscally and developmentally. Each new or revised project was evaluated by staff in accordance with these criteria. When applying these criteria, projects related to maintenance, operational efficiency, and equipment replacement compare favorably to all projects submitted for consideration as part of the CIP.

Figure 1: CIP Project Evaluation Criteria

Urgency of Need	<ol style="list-style-type: none"> 1. Risk to Public Safety or Health 2. Protection of Property 3. Deteriorated Facility 4. Maintenance Cost Effectiveness 5. Backlog of Deferred Maintenance
Relationship with Other Established Priorities	<ol style="list-style-type: none"> 6. Coordination with Other Projects 7. Completes/Continues Existing Project 8. Priority of City Council/Community Group/Citizen Survey 9. Established Goals and Objectives of the Comprehensive Plan
Fiscal Impact	<ol style="list-style-type: none"> 10. Impact on Operating Budget 11. Impact on Operating Efficiency 12. Economic Development/Jobs Impact 13. Funding Sources
Quality of Life Impact	<ol style="list-style-type: none"> 14. Recreational and/or Community Amenity Opportunity 15. Protection and Conservation of Resources 16. Aesthetic/Design Impact on Community 17. Blight Removal

Plan Review and Adoption

Each year, a CIP Review Committee is convened to review all proposed *Funded* and *Unfunded Capital Needs*. The committee consists of two representatives of the Planning Commission, one Councilman from each Council District, and a member of the Parks Commission.

The proposed CIP has been provided to the Planning Commission and conforms to the Comprehensive Plan. The preliminary draft of the CIP is then submitted to the City Council for a public hearing and is officially adopted by the City Council after all necessary adjustments have been made. The first year of the adopted CIP is incorporated into the annual budget adopted each year in mid-September by the City Council and made effective October 1. It should be noted that although the process accounts for the evaluation of projects against established criteria, available funds, and public comment, the City Council can, as they deem necessary and appropriate through the adoption process, change any recommended project or reallocate projects to achieve the goals of the City Council.

The adopted CIP represents an annual plan of projects anticipated to be funded and completed in a given year. However, in the event priorities change between adoption of the CIP and the annual budget, the CIP can be amended by the Council to reflect these changes.

There is a direct connection between the CIP and guiding community and organizational plans and documents (e.g. City Charter, 2014 Comprehensive Plan, Governing Body Strategic Framework and trends and priorities identified in the DirectionFinder citizen surveys, etc.). Each of the priority areas for the five-year CIP are described on pages 8-9.

Governing Body Strategic Plan Framework

The City Council adopted the Governing Body Strategic Framework in 2015. This document outlines eight strategic priority areas over next five years:

1. Public Safety: Maintain high level of public safety for citizens as safe neighborhoods are the cornerstone of a quality community.
2. Infrastructure: Plan and invest in infrastructure to support neighborhoods and business activity.
3. Housing: Facilitate the development of housing for all ages.
4. Neighborhood Preservation: Preserve and strengthen neighborhoods and neighborhood centers.
5. Parks & Recreation: Increase access to open space and recreational amenities to promote a healthy community.
6. Revenue Stability: Create a sustainable revenue structure with adequate, stable and diverse revenue sources.
7. Development and Redevelopment: Grow & diversify Blue Springs' business sectors to achieve sustained economic prosperity and increase business tax base in key transportation corridors and downtown.
8. Internal Operations and City Workforce: Identify opportunities and develop strategies for enhancing the quality of service delivery to better meet citizen needs and expectations.

The Framework was informed by resident and stakeholder feedback (e.g. 2014 DirectionFinder Survey, 2015 Economic Development Summit, etc.) and builds upon previous community visioning exercises. The CIP Program works to advance the stated goals of the Framework; each CIP project sheet indicates the relevant goal(s) targeted. Table 4 reflects CIP funding by Framework Goal Area.

Table 4: Projects by Strategic Framework Goal Area-All Years

Strategic Frame Work Goal	Funded	Unfunded Capital Needs	Total
Public Safety	\$0	\$300,000	\$300,000
Infrastructure	\$33,028,375	\$78,827,500	\$111,855,875
Housing	\$0	\$0	\$0
Neighborhood Preservation	\$0	\$0	\$0
Parks & Recreation	\$10,277,700	\$23,225,500	\$33,503,200
Revenue Stability	\$0	\$0	\$0
Development & Redevelopment	\$2,650,000	\$0	\$2,650,000
Internal Operations & City Workforce	\$467,992	\$0	\$467,992
TOTAL	\$46,424,067	\$102,353,000	\$148,777,067

Comprehensive Plan

Adopted by the Planning Commission in February 2003, and updated in 2014, the Comprehensive Plan presents strategies and recommendations for future and existing development throughout the City and beyond. The plan was prepared in order to meet several local planning objectives, including delineating citywide, long-range planning goals and strategies.

The Comprehensive Plan specifies the growth and development goals and objectives for the City and the CIP is an important tool that assists in implementing those goals and objectives. Examples of projects proposed in the CIP for the 2019-2020 Fiscal Year that connect to the Comprehensive Plan include Downtown Revitalization (CD-03), Water and Sewer Infrastructure Deployment (SAN-19 and WA-17), and Concrete Repair and Maintenance (ST-44).

Area Plan

In 2004, the City developed a future land use plan for the City's growth areas. The Area Plan provides principles and policies to guide the City in its future growth. The CIP directly addresses many of these policies, especially those related to transportation enhancement, natural resources utilization, and provision of public services. In 2009 the Future Land Use Map portion of the Area Plan document was added to the Comprehensive Plan document. Projects in support of the Area Plan include Water and Sewer Infrastructure Deployment (SAN-19 and WA-17) and several *Unfunded Capital Needs* due to existing resource constraints.

Investment Priority Areas

Maintenance of Transportation Network

The proposed 5-year CIP continues to place an emphasis on maintenance of the City's existing transportation network. Approximately 10 years ago the City implemented a street rehabilitation program and funded the program with \$2.5 million dollars annually. In 2011-12 fiscal year, a program was authorized to redirect \$200,000 dollars from the Street Rehabilitation Program to a Sidewalk Repair and Rehabilitation Program, now called the Concrete Repair and Maintenance Program (ST-44).

In 2015 City Staff proposed to continue to fund ST-06, Street Rehabilitation Program at \$2.3M (annually) and make a strategic investment to create an ongoing, in-house program (ST-44: Concrete Repair and Maintenance) to address sidewalks and other concrete-related assets.

In the fall of 2016, the City commissioned Stantec, an international consulting engineering firm, to perform a comprehensive condition assessment of the City's road network. The assessment rated each segment of road and assigned it a Pavement Condition Index (PCI) and a Pavement Quality Index (PQI) score. The average PCI/PQI throughout the City is 59.5 which is consistent with the average score among metro area cities. The scores will be used to select annual street maintenance projects and treatments. Going forward, the City will perform an assessment of its street network every three years to evaluate progress, condition and effectiveness of the program.

The CIP provides enhanced funding to the Pavement Management Program (ST-06) beginning in 2019-2020 and maintains funding throughout plan period for concrete repair and maintenance (ST-44) by proposing \$2.5M and \$365,000 respectively. While the funding does not provide a solution to address the entire need, it demonstrates a long-term financial commitment on the part of the City to address street/sidewalk rehabilitation. Projects related to this priority include the Street Rehabilitation Program (ST-06) and Concrete Repair and Maintenance Program (ST-44).

Sanitary Sewer and Water System Maintenance

Improvements to the sanitary sewer and water systems will result in added reliability, efficiency, and safety for utility customers. Investments are funded through water and sewer user fees. In addition to a comprehensive maintenance program, the CIP includes two projects targeted for development and economic development purposes (SAN-19 and WA-17). The projects in FY 2019-2020 related to the sanitary sewer and water systems include:

SAN-07	Citywide Maintenance
SAN-19	Sewer Infrastructure Deployment
SNI-01	Sludge Removal
SNI-04-19	Reed Bed Sludge Drying Facility
WA-12	Miscellaneous Watermain Maintenance
WA-14	Water Tank Maintenance Contract
WA-17	Water Infrastructure Deployment
WA-19-20	South Outer Road Water Main Replacement
SAN-20-19	Hydraulic Track Loader

Parks System

The Parks and Open Space Master Plan was completed in the Fall of 2016. The plan provides a 10-year vision for parks, recreation, open space and trails, as well as an action plan for implementing this vision. In April 2017, Blue Springs voters approved a 5-year sales tax dedicated to deferred maintenance of the City's park system. 21 projects are funded over the next 5 years, totaling \$13M. There are an additional 37 projects, totaling \$23M that are currently shown as Unfunded.

Public Area Maintenance and Rehabilitation

Maintenance of public areas is a recurring capital expenditure for all communities and requires ongoing maintenance and upgrading. One of the primary purposes of the CIP is to plan when facilities need maintenance and forecast funding sources. The City Hall Complex renovation (BF-36) was an example of a funded project in this priority area in the 2017-2018 CIP. For the 5-year 2019-2020 to 2023-2024 CIP the following projects are anticipated:

BF-19	Public Utilities Building - Phase II
BF-37-20	Adams Pointe Conference Center - Exterior Repairs
BF-38-20	Adams Pointe Conference Center - HVAC System Replacement
BF-39-20	Adams Pointe Conference Center - Roof Replacement

Debt Management

The City of Blue Springs has a responsibility to its citizens to be good stewards of scarce public resources and exercise prudent fiscal judgment that is rooted in sound financial planning. Capital improvements must be structured by ability to pay in order to maintain fiscal stability.

Like all municipalities, Blue Springs relies on a variety of resources to finance capital projects, such as locally generated revenues (sales and property taxes, fees, and user charges), intergovernmental revenue, grants, and debt issuance. Unlike pay-as-you-go sources of funding, the issuance of debt requires an ongoing revenue stream from which to repay the principal and interest on the debt.

These traditional funding sources will continue to provide the majority of the resources for the CIP. Alternative funding and revenue sources will be needed to augment existing funds in order to meet the City's deferred maintenance needs. The City's level of capital investment is based on the mix and level of the financial resources available to the City. It is critical for the City to actively seek opportunities to broaden the tax base and increase assessed valuation, such as through new revenue-producing development to increase funding necessary to complete the public improvements desired by the community and to continue to successfully leverage grant opportunities.

In determining the type of bond to issue, the following factors should be considered:

- The direct and indirect beneficiaries of the project. A significantly large proportion of citizens

- should benefit from projects financed from general obligation bonds.
- The time pattern of the stream of benefits generated by the project.
- The revenues that may be raised by alternative types of user charges.
- The cost-effectiveness of user charges.
- The effect of the proposed bond issue on the City's ability to finance future projects of equal or high priority.
- The true interest cost of each type of bond.
- The impact on the City's financial condition and credit ratings.

General Policies for Long Term Debt:

- Long-term borrowing will be confined to construction of capital improvements and acquisition of capital equipment too large to be financed from current revenues.
- Proceeds from long-term debt should only be used for construction project costs, acquisition of other fixed assets, bond issue costs, debt service reserve requirements, and refunding of outstanding bond issues and will not be used for current, ongoing operations.
- Debt will be extinguished within a period not to exceed the expected useful life of the capital project or equipment.
- The City should actively monitor its investment practices to ensure maximum returns on its invested bond funds while complying with Federal arbitrage guidelines.
- The Finance Department should continually monitor outstanding debt issues to verify compliance with debt covenants.
- The City's financial management policies should be oriented to maintain a balanced relationship between issuing debt and pay-as-you-go financing.

Type of Debt

The City of Blue Springs is authorized to issue General Obligation Bonds, Revenue Bonds, and annual appropriation of debt for Leasehold Revenue Bonds and Lease-Purchase Certificates of Participation.

General Obligation Bonds: The City is authorized to issue General Obligation Bonds payable from ad valorem taxes to finance capital improvements and equipment upon a two-thirds majority vote, and on general election dates by a four-sevenths majority vote of the qualified voters. The Missouri State Constitution permits the City to incur general obligation indebtedness for City purposes not to exceed 10 percent of the assessed valuation of taxable tangible property; to incur general obligation indebtedness not to exceed an additional 10 percent for acquiring rights of way; to construct and improve streets, sanitary sewers, and storm sewers; and to purchase or construct waterworks plants. General obligation, property tax-supported bonding should be used to finance only those capital improvements and long-term assets which have been determined to be essential to the maintenance or development of the City. The City should maintain a General Obligation Debt Service Fund balance that is at least 50 percent of the average annual debt service.

Revenue Bonds: The City is also authorized to issue Revenue Bonds to finance capital improvements for its water and sewer system. These types of Revenue Bonds require a simple majority vote. Revenue Bonds do not carry the full faith and credit of the City in servicing bond indebtedness, and such bonds are not considered in determining the legal debt margin resulting from the 20 percent limitation described above. However, if any taxes are pledged or dedicated to the payment of revenue bonds (e.g., sales taxes, property taxes, etc.) the bonds must be voted as general obligation bonds, the debt limit must be observed, and all bonds must be paid off within 20 years. Revenue supported bonds should be used to limit potential dependence on property taxes for those projects with available revenue sources, whether self-generated or dedicated from other sources. Adequate financial feasibility studies should be performed for each project to provide assurances as to the self-liquidating nature of the project or adequacy of dedicated revenue sources.

Certificates of Participation: Certificates of Participation (COPs) are tax exempt bonds issued by State entities usually secured with revenue from an equipment or facility lease. COPs enable governmental entities to finance capital projects without technically issuing long term debt.

Funding Sources and Strategies

General Fund: The General Fund is the general operating fund of the City. It is used to account for all financial resources (assets, liabilities, revenues, and expenditures) except those required to be accounted for in another fund. The General Fund includes expenses attributed to governmental operations such as personnel and routine operating costs generally associated with Administration, Planning, Public Safety, Public Works/Engineering, Street Maintenance, and Parks and Recreation.

Debt Service Funds: Debt Service Funds are used to account for the accumulation of resources for, and the payment of, principal, interest and other related costs of the City's bonds, other than bonds payable from the operations of the Proprietary Fund Types.

Capital Project Funds: Capital Project Funds are used to account for financial resources segregated for the acquisition or construction of major capital facilities other than those financed by enterprise operations.

Enterprise Funds: Enterprise funds are used to account for operations that provide a service to citizens financed primarily by a user charge for the provision of that service, and activities where the periodic measurement of net income is deemed appropriate for capital maintenance, public policy, management control, accountability or other purposes. The City's Enterprise Funds include the Water Utility Fund, Sewer Utility Fund, Fieldhouse Fund, and the Golf Course Fund.

Internal Service Fund: An Internal Service Fund accounts for the financing of goods or services provided by one department or agency to other departments or agencies of the City, or to other governmental units, on a cost reimbursement basis. The City's Fleet Maintenance Fund is used to account for all the expenses relating to motor vehicles, including replacement and routine maintenance and repairs.

Account Groups: The General Fixed Assets Account Group is established to account for all fixed assets of the City, other than those accounted for in the Proprietary Fund Types. The General Long-Term Debt Account Group is established to account for all long-term debt of the City except that debt which is accounted for in the Proprietary Fund Types.

Park Sales Tax Fund: Park Sales Tax Fund accounts for the accumulation and disbursement of the City's ½ cent Park Sales Tax that is dedicated to deferred maintenance of the City's park system.

Public Save Sales Tax Fund: Public Safety Sales Tax Fund accounts for the accumulation and disbursement of the City's ½ cent Public Safety Sales Tax that can only be used for Public Safety purposes.

Alternative Funding Sources

Special Grants from Federal or State Programs: Occasionally, special grants are available from the federal or state government in support of local development and improvement efforts. The City will continue to be aware of these grants to leverage resources to their fullest extent; unfortunately, such resources have declined significantly in recent years.

Federal Community Development Block Grant (CDBG): Federal Community Development Block Grant (CDBG): The City's most recent population estimate is 54,945 and therefore eligible for CDBG funding as an entitlement community through HUD. The City will receive \$260,678 for the 2019-20 program year. The City was awarded \$271,636 for the 2018-19 program year (and reprogrammed \$69,438 of unexpended pre-2017 funds). These funds must be programmed for low-moderate income areas and activities within the City. These funds have historically been directed towards downtown infrastructure and building improvements, such as street lights, sidewalks, and façade rehabilitation. Programs funded in 2018-19 include: Minor Home Repair Program (\$75,000), First Time Home Buyer Program (\$48,000), and public services, including the Fieldhouse Recreation Passes Program and Downtown Alive. It is anticipated that there will be a balance of approximately \$68,000 from unexpended pre-2018 funds that will need to be reprogrammed into the 2019-20 program year. Unexpended funds should be reprogrammed as soon as possible to meet timeliness requirements for expending funds.

Tax Increment Financing (TIF): Establishment of a district within which additional sales taxes generated by any new development can be used to finance necessary infrastructure improvements.

Special Districts: Establishment of special districts can provide the City with a means of separately financing and implementing improvements within a limited geographic area to meet the need for new or improved public facilities, especially in a developing part of the City.

User Charges: There may be cases where a user fee can be implemented to pay for the improvement of facilities.

Impact Fees: New developments that are expected to generate needs for new or expanded public facilities are required to pay an impact fee for the development or improvement of facilities. This will partially offset the costs associated with increased service level demands in growth areas.

Operating Budget Impact

The City's operating budget provides for general service delivery including personnel costs, supplies, and services. Revenues are primarily derived from recurring taxes, charges for services, investments, and intergovernmental sources. Projected operating and maintenance costs related to capital investments are included in the operating budget. When new, enhanced, or expanded service levels are authorized in the operating budget, additional capital investments are sometimes required. Furthermore, because a portion of the capital budget is funded by current revenues in the operating budget, operating budget decisions have capital budget capacity implications and the City's overall financial position.

The continued development in the southern quadrant of the City (Chapman Farms, Chapman Woods, Chapman Ridge, Parkway Estates, and Eagles Ridge), has resulted in a number of new streets that either have been, or will be constructed. The construction of new streets increases the City's service costs for items such as snow removal, street sweeping, street striping, repairs, and street lighting.

The City's storm water collection system continues to deteriorate with respect to repairs handled on a reactionary basis. There is no capacity within the operating budget or CIP for proactive or preventive maintenance programming or significant reconstruction projects. It will be important in the future to identify resources to adequately maintain the City's stormwater system.

Water and sanitary sewer construction and extension will not typically have a significant impact on the operating budget throughout the useful life of these assets. The five-year CIP includes projects that are considered improvements/maintenance to existing facilities and or operational improvements with equipment and metering and will not result in negative impacts to the operating

budget and in fact may drive efficiency of the systems.

As identified with streets projects noted above, considerable development is occurring in the southern sector of the City and, with that development, comes sanitary sewer improvements that will eventually need to be maintained. The majority of the water system in the south area is provided by Water District 13 so the City will not be responsible for future maintenance.

Summary

The City carefully evaluates its revenue and spending, and forecasts future revenue trends on an annual basis. Capital improvement programming would not be possible without these projections. Table 2 on page 4 presents a summary of the projected available CIP funds for the plan period by fund types.

The projected available funds for capital improvement projects are based on the total forecasted revenue of each type less the amount required for the annual operating budget, capital outlay, and existing debt service support.

Each year, the CIP process begins with a list of needs, which is then compared to the projected available funding sources to determine which capital improvements can be accomplished in the upcoming fiscal year. Figure 2 (page 14) provides a list of the capital improvement projects recommended to be included in the FY 2019-2020 to 2023-2024 CIP. Appendix A (beginning on page A1) includes detailed project sheets for each funded project over the plan period.

Only projects recommended for inclusion in 2019-2020 Fiscal Year CIP are incorporated into the operating budget for the upcoming fiscal year. Projects recommended to be included in the remaining years will continue to be evaluated during the annual CIP process.

AN ORDINANCE ADOPTING THE CITY OF BLUE SPRINGS CAPITAL IMPROVEMENTS PROGRAM FOR FISCAL YEARS 2019-2020 THROUGH 2023-2024

WHEREAS, the Home Rule Charter of the City of Blue Springs requires the City Administrator to prepare and submit a Capital Improvements Program (CIP) to the Mayor and City Council; and

WHEREAS, the City Council held a public hearing May 20, 2019, to receive comments about the proposed Capital Improvements Program for Fiscal Years 2019-2020 through 2023-2024.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF BLUE SPRINGS, MISSOURI, as follows:

SECTION 1. The City Council hereby adopts the Capital Improvements Program (CIP), for Fiscal Years 2019-2020 through 2023-2024; said CIP is hereby incorporated herein by reference as Exhibit A, as if fully set out in this Ordinance.

SECTION 2. This ordinance shall be in full force and effect from and after its passage and approval.

PASSED by the City Council of the City of Blue Springs, Missouri, and approved by the Mayor of Blue Springs, this 20th day of May, 2019.

CITY OF BLUE SPRINGS



Carson Ross, Mayor

ATTEST:



Julia Porter, Deputy City Clerk

1st reading May 20, 2019
2nd reading May 20, 2019

Figure 2 – Summary of Funded Capital Improvement Projects 2019-2020 to 2023-2024

Project Name and Number		FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	TOTAL
CD-01	Comprehensive Plan Update	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000
CD-03	Downtown Revitalization	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 300,000
Community Development Subtotal		\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 185,000	\$ 425,000
IT-01	Document Archival, Retention and Retrieval	\$ -	\$ 147,992	\$ -	\$ -	\$ -	\$ 147,992
IT-03	Upgrade MS Govern GEMS to Innoprise	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ 175,000
Information Technology Subtotal		\$ 175,000	\$ 147,992	\$ -	\$ -	\$ -	\$ 322,992
FH-01-18	Replacement of Fitness Cardio Equipment	\$ -	\$ -	\$ 190,000	\$ -	\$ -	\$ 190,000
Fieldhouse Subtotal		\$ -	\$ -	\$ 190,000	\$ -	\$ -	\$ 190,000
PS-10-20	Police Department Security System Upgrade	\$ 145,000	\$ -	\$ -	\$ -	\$ -	\$ 145,000
Public Safety Subtotal		\$ 145,000	\$ -	\$ -	\$ -	\$ -	\$ 145,000
PR-02-18	Wilbur Young Park Renovation	\$ 2,821,300	\$ 678,700	\$ -	\$ -	\$ -	\$ 3,500,000
PR-03-18	Vesper Hall Improvements	\$ -	\$ 370,000	\$ -	\$ -	\$ -	\$ 370,000
PR-04-18	Adams Pointe Golf Club Improvements	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ -	\$ 1,000,000
PR-07-18	Duncan Road Trail Replacement	\$ -	\$ -	\$ 171,000	\$ -	\$ -	\$ 171,000
PR-10-18	Adams Dairy Parkway Trail Replacement	\$ 238,400	\$ -	\$ 116,500	\$ -	\$ -	\$ 354,900
PR-11-18	Rotary Park Trail Replacement	\$ 144,300	\$ -	\$ -	\$ -	\$ -	\$ 144,300
PR-12-18	Keystone Park Trail Replacement	\$ -	\$ -	\$ 53,500	\$ -	\$ -	\$ 53,500
PR-13-18	Keystone Park Improvements	\$ -	\$ 160,000	\$ 450,500	\$ -	\$ -	\$ 610,500
PR-14-18	Baumgardner Park Improvements	\$ -	\$ -	\$ 316,000	\$ -	\$ -	\$ 316,000
PR-15-18	Blue Springs Park Improvements	\$ -	\$ 290,000	\$ -	\$ -	\$ -	\$ 290,000
PR-16-18	Pink Hill Park Improvements	\$ -	\$ 1,724,000	\$ -	\$ -	\$ -	\$ 1,724,000
PR-17-18	Rotary Park Improvements	\$ -	\$ 294,500	\$ -	\$ -	\$ -	\$ 294,500
PR-18-18	Hidden Valley Park Improvements	\$ -	\$ 601,000	\$ -	\$ -	\$ -	\$ 601,000
PR-19-18	Vesper Hall Parking Lot Improvement	\$ -	\$ 172,000	\$ -	\$ -	\$ -	\$ 172,000
PR-20-18	Ward Park Improvements	\$ -	\$ 133,000	\$ -	\$ -	\$ -	\$ 133,000
PR-21-18	Woods Chapel Park Improvements	\$ -	\$ 78,000	\$ -	\$ -	\$ -	\$ 78,000
PR-40-19	Aquatics Facility - Aquatics Needs Study	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000
PR-70-19	Roscoe Righter Park - Conceptual Design	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
PR-71-19	Southwest Park - Conceptual Design	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
Parks Subtotal		\$ 3,979,000	\$ 4,501,200	\$ 1,607,500	\$ -	\$ -	\$ 10,087,700
PW-01	Public Works Asset Management Software	\$ 91,667	\$ -	\$ -	\$ -	\$ -	\$ 91,667
Public Works Subtotal		\$ 91,667	\$ -	\$ -	\$ -	\$ -	\$ 91,667
ST-06	Pavement Management Program	\$ 2,500,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 2,800,000	\$ 13,700,000
ST-24	Snow Plow / Dump Truck	\$ -	\$ 152,981	\$ 157,570	\$ 165,000	\$ 169,000	\$ 644,551
ST-26	1.5 Ton Dump / Snow Truck	\$ 82,000	\$ -	\$ 85,000	\$ -	\$ -	\$ 167,000
ST-27	Street Difference	\$ -	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ 225,000
ST-43	7 Highway Sidewalk Infill	\$ 777,500	\$ -	\$ -	\$ -	\$ -	\$ 777,500
ST-44	Concrete Repair and Maintenance	\$ 365,000	\$ 384,000	\$ 406,000	\$ 425,450	\$ 447,000	\$ 2,027,450
ST-53	7 Hwy and South Ave Traffic Signal	\$ 902,500	\$ -	\$ -	\$ -	\$ -	\$ 902,500
Streets Subtotal		\$ 4,627,000	\$ 3,336,981	\$ 3,523,570	\$ 3,465,450	\$ 3,491,000	\$ 18,444,001
STM-06	Stormwater Maintenance	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
Stormwater Subtotal		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
PW-01	Public Works Asset Management Software	\$ 91,667	\$ -	\$ -	\$ -	\$ -	\$ 91,667
SAN-07	Citywide Maintenance	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000
SAN-17	12,000 lb. Hydraulic Excavator	\$ -	\$ 61,400	\$ -	\$ 64,000	\$ -	\$ 125,400
SAN-19	Sewer Infrastructure Deployment	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000
SAN-20-19	Hydraulic Track Loader	\$ 52,000	\$ -	\$ 54,000	\$ -	\$ 56,250	\$ 162,250
SAN-21-19	1.5 Ton Service Truck	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ 60,000
SAN-23-20	Sewer Flushing Truck	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Sanitary Sewer Utility Subtotal		\$ 1,593,667	\$ 1,321,400	\$ 1,254,000	\$ 1,264,000	\$ 1,256,250	\$ 6,689,317
SNI-01	Sludge Removal	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000
SNI-04-19	Read Bed Sludge Drying Facility	\$ 1,350,000	\$ -	\$ -	\$ -	\$ -	\$ 1,350,000
Sni-A-Bar Subtotal		\$ 3,850,000	\$ -	\$ -	\$ -	\$ -	\$ 3,850,000
PW-01	Public Works Asset Management Software	\$ 91,666	\$ -	\$ -	\$ -	\$ -	\$ 91,666
WA-03	Rubber Tire Front End Loader	\$ -	\$ 127,000	\$ -	\$ -	\$ -	\$ 127,000
WA-04	18,000 lb. class Hydraulic Excavator	\$ -	\$ 112,320	\$ -	\$ -	\$ -	\$ 112,320
WA-12	Miscellaneous Watermain Maintenance	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,000,000
WA-14	Water Tank Maintenance Contract	\$ 177,193	\$ 186,060	\$ 195,400	\$ 206,220	\$ 216,531	\$ 981,404
WA-17	Water Infrastructure Deployment	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000
WA-18-19	1.5 Ton Service Truck	\$ -	\$ -	\$ -	\$ 66,000	\$ -	\$ 66,000
WA-19-20	South Outer Road Water Main Replacement	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000
Water Utility Subtotal		\$ 2,168,859	\$ 1,025,380	\$ 795,400	\$ 872,220	\$ 816,531	\$ 5,678,390
GRAND TOTAL ALL FUNDS		\$ 16,790,193	\$ 10,492,953	\$ 7,530,470	\$ 5,761,670	\$ 5,848,781	\$ 46,424,067

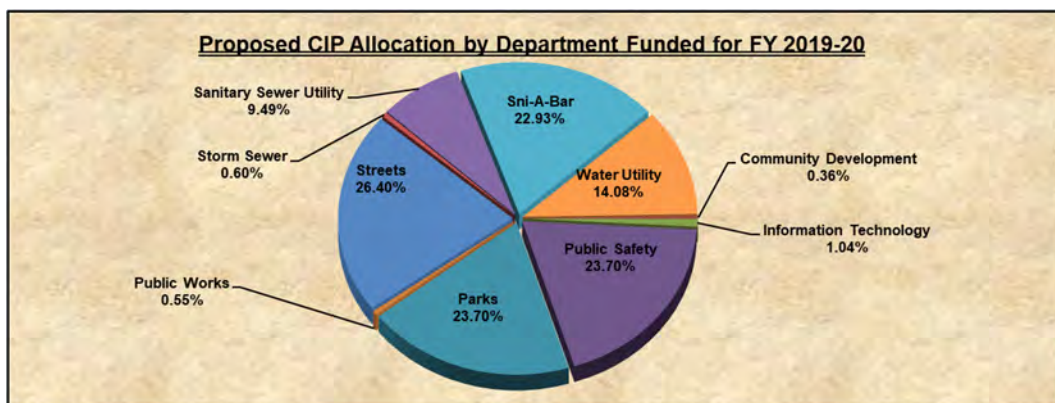


Figure 3 – Summary of Unfunded Capital Needs by Category FY 2019-20 to 2023-24

Project Number	Project Name	Estimated Project Cost
PR-69-19	HVAC Control System for Vesper Hall	\$ 85,000
PS-07-18	Tornado Siren Electrical and Radio Upgrades	\$ 175,000
PS-09-19	Radio Project - AES Encryption	\$ 125,000
ST-23	Asphalt Repair Truck (Patch Truck)(2 trucks)	\$ 460,000
Equipment Replacement Total		\$ 845,000
BF-37-20	Adams Pointe Conference Center - Exterior Repairs	\$ 250,000
BF-38-20	Adams Pointe Conference Center - HVAC System Replacement	\$ 1,200,000
BF-39-20	Adams Pointe Conference Center - Roof Replacement	\$ 500,000
GC-08-18	Adams Pointe Golf Club Cart Path Replacement	\$ 100,000
GC-09-18	Adams Pointe Golf Club Large Parking Lot Replacement	\$ 195,000
GC-10-18	Adams Pointe Golf Club Small Parking Lot Replacement	\$ 60,000
GC-11-18	Adams Pointe Golf Club Rock Retaining Wall Repair #10 & #18	\$ 260,000
GC-12-18	Adams Pointe Golf Club Rock Retaining Wall Repair	\$ 200,000
GC-13-18	Adams Pointe Golf Club House Rock Wall Repair	\$ 50,000
GC-14-18	Adams Pointe Golf Club Banquet Room Windows Replacement	\$ 75,000
GC-15-18	Adams Pointe Golf Club Grill Windows Replacement	\$ 20,000
GC-16-18	Adams Pointe Golf Club House Exterior Doors Replacement	\$ 20,000
GC-17-18	Adams Pointe Golf Club Main Irrigation Pump Replacement	\$ 50,000
GC-18-18	Adams Pointe Golf Club Kitchen Equipment Replacement	\$ 55,000
GC-19-18	Adams Pointe Golf Club Golf Shop Air Conditioner Replacement	\$ 15,000
GC-20-18	Adams Pointe Golf Club Patio Furniture Replacement	\$ 20,000
GC-21-18	Adams Pointe Golf Club Driving Range Netting Replacement	\$ 50,000
GC-22-18	Adams Pointe Golf Club Water Feature Motor #18 Replacement	\$ 100,000
GC-23-18	Adams Pointe Clubhouse Restroom/Locker Room Expansion	\$ 500,000
PR-22-18	Rotary Park Basketball Court	\$ 120,000
PR-23-18	Ward Park Restrooms	\$ 65,000
PR-24-18	Woods Chapel Trail Bridge	\$ 35,000
PR-25-18	Pink Hill Park Retaining Wall at Baseball Fields	\$ 100,000
PR-26-18	Pink Hill Park Nelson Field Improvements	\$ 265,000
PR-27-18	Franklin Smith Baseball Field Improvements	\$ 30,000
PR-28-18	Blue Springs Park Basketball Court	\$ 120,000
PR-29-18	Woods Chapel Playground	\$ 445,000
PR-30-18	Keystone Park Playground	\$ 445,000
PR-31-18	Adams Dairy Trail Improvements	\$ 765,000
PR-33-18	Duncan Rd. Trail – Deer Run Trail to Sunridge	\$ 45,000
PR-34-18	Duncan Rd. Trail – Sunridge to West Trail End	\$ 55,000
PR-35-18	Coronado Trail – Adams Dairy to Sunnyside School Rd.	\$ 78,500
PR-36-18	Moreland School Rd. Trail – 19 th St. to Liggett Rd.	\$ 62,000
PR-37-18	Grounds Park Trail	\$ 390,000
PR-38-18	Ward Park Trail	\$ 165,000
PR-39-18	Vesper Hall Kitchen Equipment Replacement	\$ 185,000
PR-40-18	Aquatics Facility	\$ 18,000,000
ST-42	Sunnyside School Road Box Culvert	\$ 350,000
ST-43	7 Highway Sidewalk Infill	\$ 3,300,000
STM-05	RD Mize to Vesper Street Storm Sewer	\$ 1,250,000
Maintenance Total		\$ 29,990,500
BF-19	Public Utilities Building - Phase II	\$ 7,400,000
ST-01	Adams Dairy Parkway VII (Roanoke to Pink Hill Rd)	\$ 4,100,000
ST-07	Vesper Street Improvements	\$ 5,300,000
ST-09	Woods Chapel Road (Walnut Street to US 40 Highway)	\$ 7,200,000
ST-18	Wyatt Road East of 7 Highway Right-of-Way	\$ 1,000,000
ST-33	South Outer Road Reconstruction	\$ 2,050,000
ST-35	Street Sweeper (Additional Street Sweeper)	\$ 550,000
ST-48	AA Highway to ADP Right Turn Lane	\$ 1,125,000
ST-49	ADP Duncan Road Right Turn Lane	\$ 1,150,000
ST-50	Traffic Signal Fiber Line	\$ 360,000
ST-52	AA Highway Improvement	\$ 7,100,000
ST-54-19	Wyatt Road Improvements	\$ 1,125,000
ST-55-19	SW 12th Street Improvements	\$ 4,885,000
ST-56-19	NE Jefferson Street Improvements	\$ 4,380,000
ST-57-19	NE 27th Street Improvements	\$ 542,500
ST-58-20	ADP Street Lighting 2 Moreland School Road to Wyatt Road)	\$ 1,500,000
SAN-22-19	South Area Sewer Improvements Phase I	\$ 19,750,000
WA-09	Pink Hill Reservoir Feed Loop	\$ 2,000,000
Capital Improvements Total		\$ 71,517,500
TOTAL UNFUNDED CAPITAL NEEDS		\$ 102,353,000

**Funded Project Table of Contents
Fiscal Years 2019-20 to 2023-24**

Project #	Project Description	Department	Project Type
CD-01	Comprehensive Plan Update	Community Development	Maintenance
CD-03	Downtown Revitalization	Community Development	Maintenance
FH-1-18	Replacement of Fitness Cardio Equipment	Parks	Equipment Replacment
IT-01	Document Archival, Retention and Retrieval	Information Technology	Capital Improvements
IT-03	Upgrade MS Govern GEMS to Innoprise	Information Technology	Equipment Replacement
PR-02-18	Wilbur Young Park Renovation	Parks	Maintenance
PR-03-18	Vesper Hall Improvements	Parks	Maintenance
PR-04-18	Adams Pointe Golf Club Improvements	Parks	Maintenance
PR-07-18	Duncan Road Trail Replacement	Parks	Maintenance
PR-10-18	Adams Dairy Parkway Trail Replacement	Parks	Maintenance
PR-11-18	Rotary Park Trail Replacement	Parks	Maintenance
PR-12-18	Keystone Park Trail Replacement	Parks	Maintenance
PR-13-18	Keystone Park Improvements	Parks	Maintenance
PR-14-18	Baumgardner Park Improvements	Parks	Maintenance
PR-15-18	Blue Springs Park Improvements	Parks	Maintenance
PR-16-18	Pink Hill Park Improvements	Parks	Maintenance
PR-17-18	Rotary Park Improvements	Parks	Maintenance
PR-18-18	Hidden Valley Park Improvements	Parks	Maintenance
PR-19-18	Vesper Hall Parking Lot Improvements	Parks	Maintenance
PR-20-18	Ward Park Improvements	Parks	Maintenance
PR-21-18	Woods Chapel Park Improvements	Parks	Maintenance
PR-40-18	Aquatics Facility–Aquatics Needs Study	Parks	Capital Improvements
PR-70-19	Roscoe Righter Park–Conceptual Design	Parks	Capital Improvements
PR-71-19	Southwest Park–Conceptual Design	Parks	Capital Improvments
PS-10-20	Police Department Security System Upgrade	Public Safety	Equipment Replacement
PW-01	Public Works Asset Management Software	Public Works	Equipment Replacement
SAN-07	Citywide Maintenance	Sanitary Sewer	Maintenance
SAN-10	Combination Flushing Vacuum Truck	Sanitary Sewer	Equipment Replacement
SAN-17	12,000lb Hydraulic Excavator	Sanitary Sewer	Equipment Replacement
SAN-19	Sewer Infrastructure Deployment	Sanitary Sewer	Capital Improvements
SAN-20-19	Hydraulic Track Loader	Sanitary Sewer	Equipment Replacement
SAN-21-19	1.5 Ton service Truck	Sanitary Sewer	Equipment Replacement
SAN-23-20	Sewer Flushing Truck	Sanitary Sewer	Capital Improvements
SNI-01	Sludge Removal	Sanitary Sewer	Maintenance
SNI-04-19	Reed Bed Sludge Drying Facility	Sni-A-Bar	Maintenance
ST-06	Pavement Management Program	Streets	Maintenance
ST-24	Snow Plow/Dump Truck	Streets	Maintenance

Funded Project Table of Contents Continued

Project #	Project Description	Department	Project Type
ST-26	1.5 Ton Dump/Snow Truck	Streets	Equipment Replacement
ST-27	Street Difference	Streets	Capital Improvements
ST-43	7 Highway Sidewalk Infill	Streets	Maintenance
ST-44	Concrete Repair and Maintenance	Streets	Maintenance
ST-53	7 Hwy and South Ave Traffic Signal	Traffic Infrastructure	Capital Improvements
STM-06	Stormwater Maintenance	Streets	Maintenance
WA-03	Rubber Tired Front-End Loader	Water Utility	Equipment Replacement
WA-04	18,000lb class Hydraulic Excavator	Water Utility	Equipment Replacement
WA-12	Miscellaneous Watermain Maintenance	Water Utility	Maintenance
WA-14	Water Tank Maintenance Contract	Water Utility	Maintenance
WA-17	Water Infrastructure Deployment	Water Utility	Capital Improvements
WA-18-19	1.5 Ton service Truck	Water Utility	Equipment Replacement

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Comprehensive Plan Update **Project Number:** CD-01

Project Type: Plan Update **Current Year Project Cost:** \$0

Department: Community Development **Funding Source:** General Fund

Strategic Plan Priority: Development & Redevelopment

Description: The City of Blue Springs adopted our most recent Comprehensive Plan in 2014. The Comprehensive Plan should be updated every three to five years to address current development trends and the ever-changing needs and desires of the community.

Justification: The Comprehensive Plan is an official public document adopted by the Planning Commission provided to guide the physical development of the community. The Comprehensive Plan indicates, in general, how the citizens of the community want the City to improve in the near-term and long-term up to 20 years. The plan provides a rational and comprehensive guide for the physical development of the City that fosters quality growth, conservation, and redevelopment throughout the City and its Planning Area. The update is programmed for FY 2023-24 to maintain the 10-year update cycle.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$190,000	\$0	\$0	\$0	\$0	\$125,000	\$315,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$190,000	\$0	\$0	\$0	\$0	\$125,000	\$315,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
General Fund	\$190,000	\$0	\$0	\$0	\$0	\$125,000	\$315,000
Total	\$190,000	\$0	\$0	\$0	\$0	\$125,000	\$315,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Downtown Revitalization **Project Number:** CD-03

Project Type: Property Acquisition and Rehabilitation **Current Year Project Cost:** \$60,000

Department: Community Development **Funding Source:** Community Development Block Grant Program

Strategic Plan Priority: Development & Redevelopment

Description: Rehabilitate and/or acquire properties in the Downtown Area with the intent to make improvements to existing buildings, stabilize property values, and create jobs within the community. The final proposed five-year budget for this project is pending the recommendations of the CDBG Advisory Committee and approval of the Annual Action Plan.

Justification: This activity is consistent with Goal 1 of the City's Community Action Plan – *Redevelop Downtown Blue Springs and Promote Downtown Blue Springs Potential for Growth.*



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$326,684	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$626,684
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$326,684	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$626,684
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
CDBG Grant	\$326,684	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$626,684
Total	\$326,684	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$626,684

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Replacement of Fitness Cardio Equipment **Project Number:** FH-01-18

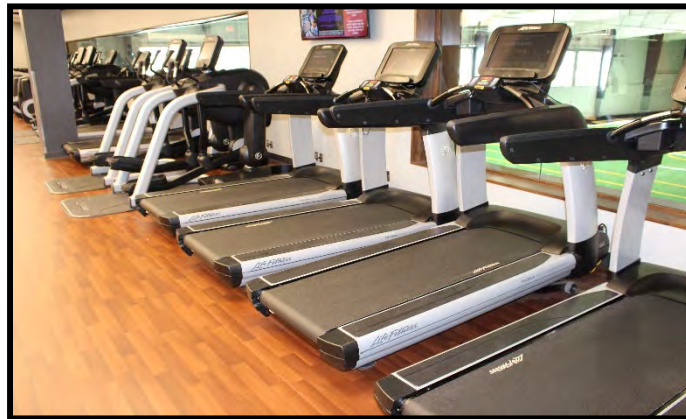
Project Type: Capital Improvement **Current Year Project Cost:** \$0

Department: Parks and Recreation **Funding Source:** Fieldhouse Fund

Strategic Plan Priority: Fieldhouse Operation

Description: Replacement of original cardio equipment in the Fitness Center.

Justification: The cardio equipment at the Blue Springs Fieldhouse will be 3 years old October 2018. Significant repair issues begin to occur after year of use on cardio equipment. As part of the original operational proforma, it was called out for the cardio equipment to be replaced every 3 years. This is done to reduce down time with equipment due to necessary repairs and reduce the cost of maintenance on the equipment. Equipment that is in disrepair frequently causes members to be dissatisfied and cancel memberships, thus reducing operational revenues. Additionally, once the equipment becomes older than three years, the sale/trade in value decrease significantly.



Projected Five-Year Cost Schedule								
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$190,000	\$0	\$0	\$190,000	\$0	\$0	\$0	\$380,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$190,000	\$0	\$0	\$190,000	\$0	\$0	\$0	\$380,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule								
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Beyond	Total
Fieldhouse Fund	\$190,000	\$0	\$0	\$190,000	\$0	\$0	\$0	\$380,000
Total	\$190,000	\$0	\$0	\$190,000	\$0	\$0	\$0	\$380,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Document Archival, Retention and Retrieval **Project Number:** IT-01

Project Type: Electronic Content Management (ECM) **Current Year Project Cost:** \$0

Department: Information Technology **Funding Source:** General Fund

Strategic Plan Priority: Internal Operations & City Workforce

Description: The City is required to retain and be able to produce and provide documents, for reference and regulatory compliance. An Electronic Content Management (ECM) system would provide quick and efficient access to all information in electronic format from any computer. ECM systems meet guidelines for microfilming and maintaining public records as outlined by the MO Secretary of State. An electronic audit trail provides enhanced document security by showing who accessed documents and limiting who can access documents. An ECM system also provides disaster recovery protection because electronic data is backed up whereas hard copy documents typically only exist in one location and could be lost or destroyed in a fire, natural disaster or act of malice. This will be completed in two (2) phases with Phase 1 – All City Departments having a need or desire for electronic imaging (cost \$75,000 which was approved in the FY 2013-14 budget and is in progress using Xerox DocuShare) and Phase 2 – Finance Department \$147,992.

Justification: The City incurs significant and ongoing personnel costs in conjunction with locating, retrieving, copying and re-filing hard copies of documents and records. In addition to personnel costs, there are significant costs for the onsite and off-site physical storage of documents. An ECM system would also dramatically reduce paper costs and contribute toward a “green” environment. The cost-benefit of an ECM system compared to storing, retrieving, copying and re-filing hard copies is significant in terms of both time and dollars.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$75,000	\$0	\$147,992	\$0	\$0	\$0	\$222,992
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$75,000	\$0	\$147,992	\$0	\$0	\$0	\$222,992
Op Expense	\$0	\$0	\$31,787	\$0	\$0	\$0	\$31,787
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
General Fund	\$75,000	\$0	\$147,992	\$0	\$0	\$0	\$222,992
Total	\$75,000	\$0	\$147,992	\$0	\$0	\$0	\$222,992

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Upgrade MS Govern GEMS to Innoprise **Project Number:** IT-03

Project Type: Financial, Utility Billing and HR software **Current Year Project Cost:** \$175,000

Department: Information Technology **Funding Source:** General Fund

Strategic Plan Priority: Internal Operations

Description: Upgrade the existing Harris MS Govern GEMS Accounting software to Harris' new product called Innoprise. The Utility Billing system upgrade from GEMS to Innoprise was approved from the water and sewer fund and the project has been completed. The Harris MS Govern Human Resources and Payroll modules have been converted to Kronos.

Justification: Harris MS Govern GEMS is one of the most critical systems supported within the organization. It is essential to Accounting and Utility Billing functions. Harris, the parent company of MS Govern, has shifted their future direction in software development to a new product line, called Innoprise that uses web-based technology which provides a far superior user interface and promotes sharing of data across the suite of products.

The original CIP request for Innoprise's Utility Billing, Accounting, HR and Payroll systems was \$225,000. Of this \$118,215 was approved from water and sewer funds. The estimated cost to upgrade the Accounting system is in the \$125,000 - \$150,000 range which includes licensing fees, professional services, travel and first year maintenance. The original investment in GEMS was to Systems Consulting Inc. for \$367,780. (Cost as of 2019)



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$175,000	\$0	\$0	\$0	\$0	\$175,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$175,000	\$0	\$0	\$0	\$0	\$175,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
General Fund	\$0	\$175,000	\$0	\$0	\$0	\$0	\$175,000
Total	\$0	\$175,000	\$0	\$0	\$0	\$0	\$175,000

Project Title: Wilbur Young Park Renovation **Project Number:** PR-02-18

Project Type: Capital Improvement **Current Year Project Cost:** \$2,821,300

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Complete renovations of park amenities including signs, landscaping, playgrounds, volleyball courts, softball field lights, basketball court, shade structure, shelters, restrooms, parking lots, trails, disc golf course and tennis courts.

Justification: The park amenities have reached life expectancy and many liabilities exist. The improvements were included in the 2017 Parks Sales Tax measure.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$2,643,500	\$660,000	\$0	\$0	\$0	\$3,303,500
Landscape	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$77,800	\$18,700	\$0	\$0	\$0	\$96,500
Total	\$0	\$2,821,300	\$678,700	\$0	\$0	\$0	\$3,500,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$0	\$2,821,300	\$678,700	\$0	\$0	\$0	\$3,500,000
Total	\$0	\$2,821,300	\$678,700	\$0	\$0	\$0	\$3,500,000

WILBUR YOUNG PARK - \$3,500,000

Softball Field Light Replacement	\$550,000
Tennis Court Renovations – (6 courts total)	\$770,000
Basketball Court Renovations	\$120,000
Restroom Facility @ Shelter House	\$85,000
Large Shelter	\$210,000
Picnic Tables Replacement / Upgrade - 25 Tables	\$35,000
Trash Cans - 22	\$30,000
Playground Replacement @ Softball Field	\$150,000
Playground Replacement @ Shelter House	\$240,000
Shade Structure @ Softball Field	\$60,000
Volleyball Courts	\$150,000
Drinking Fountains (3)	\$15,000
Benches – (10)	\$13,500
Restroom / Concession Building Renovations Softball	\$80,000
Scoreboards for Softball Fields – (3)	\$45,000
Trails	\$45,000
Parking Lot – North Drive and Disc Golf Parking Lot – 50,600	\$170,000
Parking Lot – Softball and Tennis Courts – 52,300 – PCI 27	\$175,000
Parking Lot – Entry Drive and Shelter Parking Lot – 25,700	\$170,000
Park Signage	\$100,000
Shelter @ Disc Golf Course	\$40,000
Pond Management - Dredging	\$50,000
Landscaping	\$100,000
Softball Field Fence Replacement (Dependent if Funding is Available)	
Contingency	\$96,500
Project Total	\$3,500,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Vesper Hall
Improvements

Project Number: PR-03-18

Project Type: Capital Improvement

**Current Year
Project Cost:** \$0

Department: Parks and Recreation

Funding Source: Parks Sales Tax

**Strategic Plan
Priority:** Parks & Recreation

Description: Improvements to Vesper Hall to include exterior painting and EFIS repairs, vinyl flooring replacement, kitchen equipment replacement, door replacement, front counter improvements and roof replacement.

Justification: The building is over 20 years old and many building components and equipment has reached life expectancy and repair cost continue to rise to the point replacement is required. The improvements were included in the 2017 Parks Sales Tax measure.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$110,000	\$0	\$350,000	\$0	\$0	\$0	\$460,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$20,000	\$0	\$20,000	\$0	\$0	\$0	\$40,000
Total	\$130,000	\$0	\$370,000	\$0	\$0	\$0	\$500,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$130,000	\$0	\$370,000	\$0	\$0	\$0	\$500,000
Total	\$130,000	\$0	\$370,000	\$0	\$0	\$0	\$500,000

VESPER HALL - \$500,000

Vesper Hall Roof Replacement	\$370,000
Painting and Repair of Exterior Building	\$30,000
Replacement of vinyl flooring	\$45,000
Kitchen Equipment Replacement – Serving Equip. & Storage Equip.	\$15,000
Interior Improvements – Doors	\$20,000
Front Counter Improvements	\$20,000
Contingency	\$40,000
Project Total	\$500,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Adam Pointe Golf Club Improvements **Project Number:** PR-04-18

Project Type: Capital Improvement **Current Year Project Cost:** \$500,000

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Renovations to bunkers, cart paths, club house roof and road repairs to main drive.

Justification: Included in the 2017 Parks Sales Tax program and bunkers repairs are required due to broken drainage tiles and playability to attract customers, cart path repair due to potholes, cracking and surface deterioration. The club house roof continues to leak, and repairs are not correcting the issue, replacement is required. Main drive has deteriorated and needs renovation work.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$462,800	\$462,800	\$0	\$462,900	\$0	\$0	\$1,388,500
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$37,200	\$37,200	\$0	\$37,100	\$0	\$0	\$111,500
Total	\$500,000	\$500,000	\$0	\$500,000	\$0	\$0	\$1,500,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$500,000	\$500,000	\$0	\$500,000	\$0	\$0	\$1,500,000
Total	\$500,000	\$500,000	\$0	\$500,000	\$0	\$0	\$1,500,000

ADAMS POINTE GOLF CLUB IMPROVEMENTS - \$1,500,000

Bunker Repair and Replacement - \$450,000	\$450,000
Club House Roof Replacement - \$50,000	\$50,000
Cart Path Replacement 13 holes total - \$800,000	\$800,000
Main Drive Replacement	\$88,500
Contingency	\$111,500
Project Total	\$1,500,000

Project Title: Duncan Road Trail Replacement **Project Number:** PR-07-18

Project Type: Capital Improvement **Current Year Project Cost:** \$0

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Total replacement of Duncan Road Trail due to pavement failure and safety issues.

Justification: Project was included in the 2017 Parks Sales Tax Program and the trail needs renovations due to safety concerns.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$140,000	\$0	\$0	\$160,000	\$0	\$0	\$300,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$10,000	\$0	\$0	\$11,000	\$0	\$0	\$21,000
Total	\$150,000	\$0	\$0	\$171,000	\$0	\$0	\$321,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$150,000	\$0	\$0	\$171,000	\$0	\$0	\$321,000
Total	\$150,000	\$0	\$0	\$171,000	\$0	\$0	\$321,000

DUNCAN ROAD TRAIL REPLACEMENT - \$321,000

Duncan Rd. Trail – 11 th St. to 18 th St.	\$78,000
Duncan Rd. Trail – 18 th to Deer Run Trail	\$42,750
Duncan Rd. Trail – 7 Hwy to 11 th St.	\$50,250
Duncan Road Trail – Adams Dairy Pkwy to 23 rd St.	\$150,000
Contingency	\$21,000
Project Total	\$321,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

<u>Project Title:</u>	Adams Dairy Parkway Trail Replacement	<u>Project Number:</u>	PR-10-18
<u>Project Type:</u>	Capital Improvement	<u>Current Year Project Cost:</u>	\$238,400
<u>Department:</u>	Parks and Recreation	<u>Funding Source:</u>	Parks Sales Tax
<u>Strategic Plan Priority:</u>	Parks & Recreation		
<u>Description:</u>	Total replacement of Adams Dairy Parkway Trail due to pavement failure and safety issues.		
<u>Justification:</u>	Project was included in the 2017 Parks Sales Tax Program and the trail needs renovations due to safety concerns.		



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$223,500	\$0	\$109,000	\$0	\$0	\$332,500
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$14,900	\$0	\$7,500	\$0	\$0	\$22,400
Total	\$0	\$238,400	\$0	\$116,500	\$0	\$0	\$354,900
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$0	\$238,400	\$0	\$116,500	\$0	\$0	\$354,900
Total	\$0	\$238,400	\$0	\$116,500	\$0	\$0	\$354,900

ADAMS DAIRY PARKWAY TRAIL REPLACEMENT - \$354,900

Adams Dairy Pkwy Trail – Coronado to R.D. Mize	\$35,000
Adams Dairy Pkwy Trail – Ryan to SE Pine Gate Drive	\$83,500
Adams Dairy Pkwy Trail – SE Pine Gate Dr. to Moreland Sch. Rd.	\$109,000
Adams Dairy Pkwy Trail –Duncan Road to Jefferson St.	\$105,000
Contingency	\$22,400
Project Total	\$354,900

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Rotary Park Trail Replacement **Project Number:** PR-11-18

Project Type: Capital Improvement **Current Year Project Cost:** \$144,300

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Total replacement of Rotary Park Trail due to pavement failure and safety issues

Justification: Project was included in the 2017 Parks Sales Tax Program and the trail needs renovations due to safety concerns.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$135,000	\$0	\$0	\$0	\$0	\$135,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$9,300	\$0	\$0	\$0	\$0	\$9,300
Total	\$0	\$144,300	\$0	\$0	\$0	\$0	\$144,300
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$0	\$144,300	\$0	\$0	\$0	\$0	\$144,300
Total	\$0	\$144,300	\$0	\$0	\$0	\$0	\$144,300

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Keystone Park Trail Replacement **Project Number:** PR-12-18

Project Type: Capital Improvement **Current Year Project Cost:** \$0

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Total replacement of Keystone Park Trail due to pavement failure and safety issues.

Justification: Project was included in the 2017 Parks Sales Tax Program and the trail needs renovations due to safety concerns.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$50,000	\$0	\$0	\$50,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$3,500	\$0	\$0	\$3,500
Total	\$0	\$0	\$0	\$53,500	\$0	\$0	\$53,500
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$0	\$0	\$0	\$53,500	\$0	\$0	\$53,500
Total	\$0	\$0	\$0	\$53,500	\$0	\$0	\$53,500

Project Title: Keystone Park Improvements **Project Number:** PR-13-18

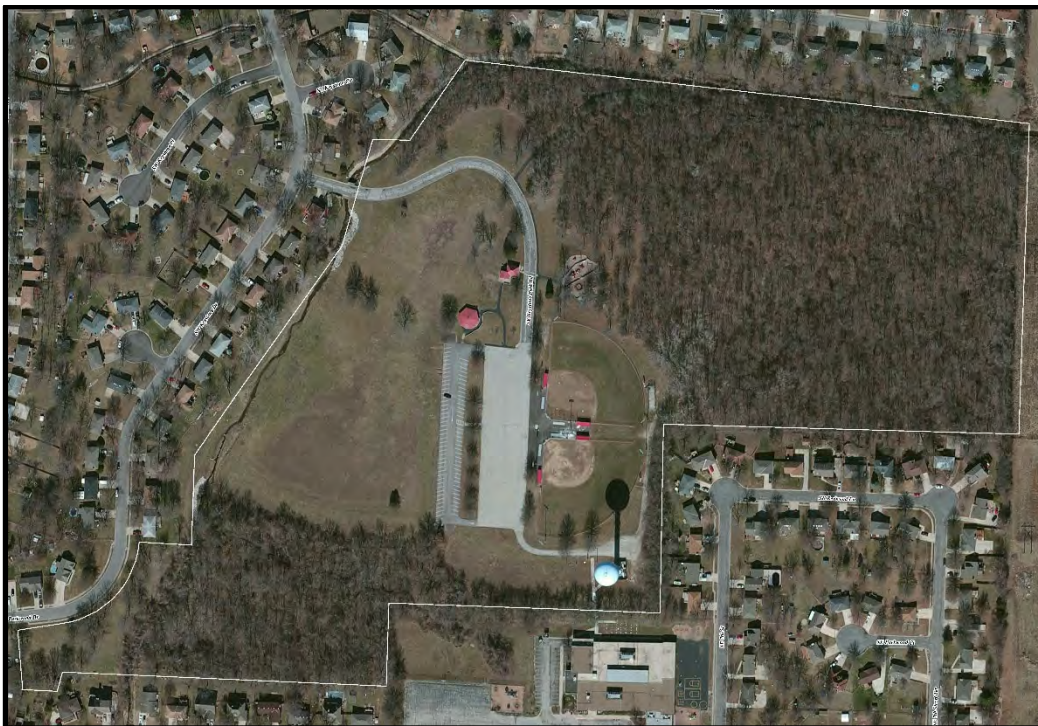
Project Type: Capital Improvement **Current Year Project Cost:** \$0

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Replacement of shelter house and renovations to parking lot.

Justification: Included in the 2017 Parks Sales Tax program and shelter house is original building needing total replacement. Parking lot requires renovations to maintain driving and parking surface.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$160,000	\$0	\$0	\$0	\$160,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$440,000	\$0	\$0	\$440,000
Contingency	\$0	\$0	\$0	\$10,500	\$0	\$0	\$10,500
Total	\$0	\$0	\$160,000	\$450,500	\$0	\$0	\$610,500
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$0	\$0	\$160,000	\$450,500	\$0	\$0	\$610,500
Total	\$0	\$0	\$160,000	\$450,500	\$0	\$0	\$610,500

KEYSTONE PARK IMPROVMENTS - \$610,500

Keystone Park Shelter	\$160,000
Keystone Parking Lot	\$440,000
Contingency	\$10,500
Project Total	\$610,500

Project Title: Baumgardner Park Improvements **Project Number:** PR-14-18

Project Type: Capital Improvement **Current Year Project Cost:** \$0

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Renovations to Parking Lot and Baseball Field.

Justification: Included in the 2017 Parks Sales Tax program and repairs to parking lot to maintain driving surface and repairs to baseball field to remove safety concerns.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$30,000	\$0	\$0	\$285,000	\$0	\$0	\$315,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$4,000	\$0	\$0	\$31,000	\$0	\$0	\$35,000
Total	\$34,000	\$0	\$0	\$316,000	\$0	\$0	\$350,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$34,000	\$0	\$0	\$316,000	\$0	\$0	\$350,000
Total	\$34,000	\$0	\$0	\$316,000	\$0	\$0	\$350,000

BAUMGARDNER PARK IMPROVEMENTS - \$350,000

Baumgardner Baseball Field	\$34,000
Baumgardner Park South Parking Lot	\$316,000
Contingency	\$35,000
Project Total	\$350,000

Project Title: Blue Springs Park Improvements **Project Number:** PR-15-18

Project Type: Capital Improvement **Current Year Project Cost:** \$0

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Renovations to Parking Lot, replacement of tennis courts as they are closed due to safety and playability concerns and replacement of Restroom facilities at Blue Springs Park by playground, basketball and tennis courts.

Justification: Included in the 2017 Parks Sales Tax program and repairs needed for safety and citizen use.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$330,000	\$0	\$260,000	\$0	\$0	\$0	\$590,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$36,000	\$0	\$30,000	\$0	\$0	\$0	\$66,000
Total	\$366,000	\$0	\$290,000	\$0	\$0	\$0	\$656,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$366,000	\$0	\$290,000	\$0	\$0	\$0	\$656,000
Total	\$366,000	\$0	\$290,000	\$0	\$0	\$0	\$656,000

BLUE SPRINGS PARK IMPROVEMENTS - \$656,000

Blue Springs Park Parking Lot	\$290,000
Blue Springs Park Restrooms	\$83,000
Blue Springs Park Tennis Courts	\$283,000
Contingency	\$66,000
Project Total	\$656,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Pink Hill Park Improvements

Project Number: PR-16-18

Project Type: Capital Improvement

Current Year Project Cost: \$0

Department: Parks and Recreation

Funding Source: Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Replacement of shelter houses. tennis court and renovations to parking lots.

Justification: Included in the 2017 Parks Sales Tax program and tennis court is a safety concerns, shelter houses are original buildings needing total replacement. Parking lot requires renovations to maintain driving and parking surface.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$255,000	\$0	\$1,555,000	\$0	\$0	\$0	\$1,810,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$28,000	\$0	\$169,000	\$0	\$0	\$0	\$197,000
Total	\$283,000	\$0	\$1,724,000	\$0	\$0	\$0	\$2,007,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$283,000	\$0	\$1,724,000	\$0	\$0	\$0	\$2,007,000
Total	\$283,000	\$0	\$1,724,000	\$0	\$0	\$0	\$2,007,000

PINK HILL PARK IMPROVMENTS - \$2,007,000

Pink Hill Maintenance Parking Lot	\$432,500
Pink Hill Park Parking Lot	\$693,000
Pink Hill Park Shelters	\$598,500
Pink Hill Park Tennis Courts	\$283,000
Contingency	\$197,000
Project Total	\$2,007,000

Project Title: Rotary Park Improvements **Project Number:** PR-17-18

Project Type: Capital Improvement **Current Year Project Cost:** \$0

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Replacement of Gazebo, west playground and renovations to parking lots.

Justification: Included in the 2017 Parks Sales Tax program and renovations required to west playground structure due to National Playground Safety Institute compliance issues and replacement of the original Gazebo structure. Parking lot requires renovations to maintain driving and parking surface.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$330,000	\$0	\$265,000	\$0	\$0	\$0	\$595,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$36,000	\$0	\$29,500	\$0	\$0	\$0	\$65,500
Total	\$366,000	\$0	\$294,500	\$0	\$0	\$0	\$660,500
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$366,000	\$0	\$294,500	\$0	\$0	\$0	\$660,500
Total	\$366,000	\$0	\$294,500	\$0	\$0	\$0	\$660,500

ROTARY PARK IMPROVEMENTS - \$660,500

Rotary Park Gazebo	\$166,500
Rotary Park Parking Lot	\$128,000
Rotary Park Playground - Small	\$366,000
Contingency	\$65,000
Project Total	\$660,500

Project Title: Hidden Valley Park Improvements **Project Number:** PR-18-18

Project Type: Capital Improvement **Current Year Project Cost:** \$0

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Replacement of Hidden Valley Playground located by football fields and all park signage.

Justification: Included in the 2017 Parks Sales Tax program and is falling out of compliance with the National Playground Safety Institution standards and inspections and signs are deteriorating and falling apart.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$540,000	\$0	\$0	\$0	\$540,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$61,000	\$0	\$0	\$0	\$61,000
Total	\$0	\$0	\$601,000	\$0	\$0	\$0	\$601,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$0	\$0	\$601,000	\$0	\$0	\$0	\$601,000
Total	\$0	\$0	\$601,000	\$0	\$0	\$0	\$601,000

HIDDEN VALLEY PARK IMPROVEMENTS - \$601,000

Hidden Valley Park Playground	\$490,000
Hidden Valley Park Signs	\$111,000
Contingency	\$61,000
Park Total	\$601,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Vesper Hall Parking Lot Improvement **Project Number:** PR-19-18

Project Type: Capital Improvement **Current Year Project Cost:** \$0

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Replacement of parking lot surface.

Justification: Included in the 2017 Parks Sales Tax program and replacement of parking lot to maintain driving surface.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$155,000	\$0	\$0	\$0	\$155,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$17,000	\$0	\$0	\$0	\$17,000
Total	\$0	\$0	\$172,000	\$0	\$0	\$0	\$172,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$0	\$0	\$172,000	\$0	\$0	\$0	\$172,000
Total	\$0	\$0	\$172,000	\$0	\$0	\$0	\$172,000

Project Title: Ward Park Improvements **Project Number:** PR-20-18

Project Type: Capital Improvement **Current Year Project Cost:** \$0

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Replacement of basketball court and playground structure.

Justification: Included in the 2017 Parks Sales Tax program and renovations required to playground structure due to National Playground Safety Institute compliance issues and replacement of the basketball court due to safety issues.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$315,000	\$0	\$120,000	\$0	\$0	\$0	\$435,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$34,000	\$0	\$13,000	\$0	\$0	\$0	\$47,000
Total	\$349,000	\$0	\$133,000	\$0	\$0	\$0	\$482,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$349,000	\$0	\$133,000	\$0	\$0	\$0	\$482,000
Total	\$349,000	\$0	\$133,000	\$0	\$0	\$0	\$482,000

WARD PARK IMPROVMENTS - \$482,000

Ward Park Basketball Courts	\$133,000
Ward Park Playground	\$349,000
Contingency	\$47,000
Project Total	\$482,000

Project Title: Woods Chapel Park Improvements **Project Number:** PR-21-18

Project Type: Capital Improvement **Current Year Project Cost:** \$0

Department: Parks and Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Replacement of basketball court and parking lot improvements.

Justification: Included in the 2017 Parks Sales Tax program and replacement of the basketball court due to safety issues and replacement of parking lot to maintain driving surface.



CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$120,000	\$0	\$70,000	\$0	\$0	\$0	\$190,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$13,000	\$0	\$8,000	\$0	\$0	\$0	\$21,000
Total	\$133,000	\$0	\$78,000	\$0	\$0	\$0	\$211,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$133,000	\$0	\$78,000	\$0	\$0	\$0	\$211,000
Total	\$133,000	\$0	\$78,000	\$0	\$0	\$0	\$211,000

WOODS CHAPEL PARK IMPROVEMENTS - \$211,000

Woods Chapel Basketball Court	\$133,000
Woods Chapel Park Parking Lot	\$78,000
Contingency	\$21,000
Project Total	\$211,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Aquatics Facility **Project Number:** PR-40-18

Project Type: Capital Improvement **Current Year Project Cost:** \$18,000,000

Department: Parks & Recreation **Funding Source:** Parks Sales Tax

Strategic Plan Priority: Parks, Recreation and Open Space Master Plan

Description: Replacement of the Centennial Pool=plex with modern aquatic amenities. Funding for an Aquatics Needs Study is included in the overall budget. Staff is requesting the needs study to be commissioned in FY2019-20 to consider potential inclusion in the next Parks Sales Tax initiative. Both indoor and outdoor facilities will be explored along with potential locations.

Justification: The replacement of Centennial Pool-plex has been one of the top priorities outlined in the Citizens Survey for several years along with the City no longer owning an aquatics facility, the need is there to address the communities lack of options in this area.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$0	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Total	\$0	\$125,000	\$0	\$0	\$0	\$0	\$125,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Roscoe Righter Park – Conceptual Design **Project Number:** PR-70-19

Project Type: Capital Improvement **Current Year Project Cost:** \$75,000

Department: Parks and Recreation **Funding Source:** Park Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Park Master Plan development for Roscoe Righter Park.

Justification: Conceptual design for the development of Roscoe Righter Park.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Parks Sales Tax	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Southwest Park – Conceptual Design **Project Number:** PR-71-19

Project Type: Capital Improvement **Current Year Project Cost:** \$75,000

Department: Parks and Recreation **Funding Source:** Park Sales Tax

Strategic Plan Priority: Parks & Recreation

Description: Park Master Plan development for Southwest Park.

Justification: Conceptual design for the development of Southwest Park.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Park Sales Tax	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Police Department Security System Upgrade

Project Number: PS-10-20

Project Type: Buildings and Facilities

Current Year Project Cost: \$145,000

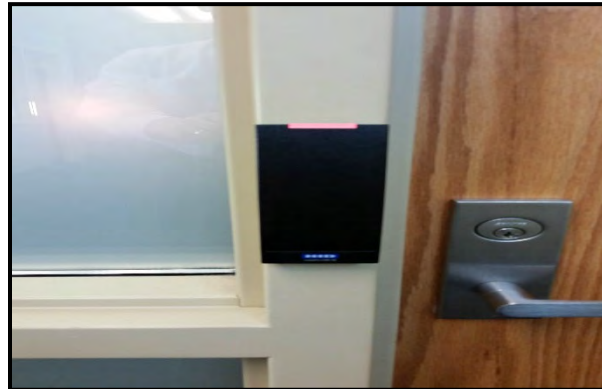
Department: Police

Funding Source: Public Safety Sales Tax

Strategic Plan Priority: Public Safety

Description: The replacement of the security system controlling doors and cameras in the Police Department is the intent of this project. Migrating the AMAG system currently in place to Genetec will be the focus of the project. The original controlling system is proprietary and costly to service, when service can be obtained.

Justification: The migration described above will bring the Police Department into the same operating system as other municipal facilities and will ensure that a local vendor can service the system.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$145,000	\$0	\$0	\$0	\$0	\$145,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$145,000	\$0	\$0	\$0	\$0	\$145,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Public Safety Sales Tax	\$0	\$145,000	\$0	\$0	\$0	\$0	\$145,000
Total	\$0	\$145,000	\$0	\$0	\$0	\$0	\$145,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Public Works Asset Management Software **Project Number:** PW-01

Project Type: Software **Current Year Project Cost:** \$275,000

Department: Public Works **Funding Source:** General Fund
Sewer Fund

Strategic Plan Priority: Infrastructure Water Fund

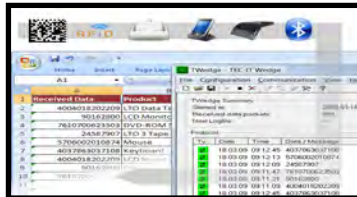
Description: Software package to upgrade or replace the current asset management system in Public Works.

Justification: The current system, Hansen Version 7, has reached its end of supported life. Since the software is unsupported, the vendor will not make upgrades or new modules for the system and the tech support function is retired for that package.

The asset management software retains all the records for work completed by staff in Public Works Operations including the; Water, Sewer, Sewer Treatment, Streets, Fleet and Customer Service groups. These records are used for budgetary purposes, billing and as records for inspections by the Missouri Department of Natural Resources, United States Environmental Agency, Department of Conservation, United States Army Corp of Engineers, etc. The records are also used as proof of maintenance in the case of an insurance claim and possible litigation.

The current software has developed glitches that affect the ability to query good costs from the records. More anomalies are coming as the City moves up in operating system platforms and support platforms like Sequel Server. The new system will also cut down on paperwork and data entry. This will require some hardware to be replaced to maximize the integration.

The cost of the software will be split between the General, Water, and Sewer Funds.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$275,000	\$0	\$0	\$0	\$0	\$275,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$275,000	\$0	\$0	\$0	\$0	\$275,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
General Fund	\$0	\$91,667	\$0	\$0	\$0	\$0	\$91,667
Sewer Utility Fund	\$0	\$91,667	\$0	\$0	\$0	\$0	\$91,667
Water Utility Fund	\$0	\$91,666	\$0	\$0	\$0	\$0	\$91,666
Total	\$0	\$275,000	\$0	\$0	\$0	\$0	\$275,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Citywide Maintenance **Project Number:** SAN-07

Project Type: Sanitary Sewer System Maintenance and Improvements **Current Year Project Cost:** \$1,000,000

Department: Public Works – Sewer Maintenance **Funding Source:** Sewer Utility Fund

Strategic Plan Priority: Infrastructure

Description: Sewer maintenance and improvements include: televised inspection of sewer mains, sewer main cleaning, replacement of clay tile sewer main utilizing cured in place pipe, rehabilitation of manholes, construction of relief sewers, and emergency repair of collapsed pipes and manholes.

Justification: This project provides for the maintenance, rehabilitation, and repair of the sanitary sewer infrastructure. The resulting benefits are: extended life of sewers, increased system reliability, decreased infiltration and inflow (I&I), and fewer sewer back up claims. The reduction of I&I maximizes the available capacity in the collection system and wastewater treatment plant and reduces the risk of sewer overflows. To accomplish this a combination of the following tasks are performed each year: televised sewer inspections, sewer main cleaning, 25,000-35,000 feet of clay tile sewer lining, and the rehabilitation of leaking or deteriorated manholes. Of the City’s 1,395,430 feet of sanitary sewers, the original and oldest portion (494,000 feet) was constructed using clay tile pipe. Due to its fragile nature clay pipe is prone to cracking as the earth’s crust shifts and moves. This in turn leads to poor performance and in some cases pipe failure. To date, 336,810 feet of the clay tile sewers have been lined utilizing cured in place pipe. This process replaces the existing sewer pipe and has a life expectancy of 100 years. With continued funding the remaining 157,190 feet of clay tile sewers will be replaced by 2025.

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$9,700,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$14,700,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$9,700,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$14,700,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Sewer Utility Fund	\$9,700,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$14,700,000
Total	\$9,700,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$14,700,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Combination Flushing Vacuum Truck **Project Number:** SAN-10

Project Type: Sewer System Equipment Replacement **Current Year Project Cost:** \$0

Department: Public Works – Sewer Maintenance **Funding Source:** Sewer Utility Fund

Strategic Plan Priority: Infrastructure

Description: Purchase of a new sewer cleaning truck to support sewer cleaning activities and provide emergency response for citizens.

Justification: This unit would replace an existing piece of equipment. This unit is critical in our ability to respond to sewer backups and perform annual cleaning of the sewer mains. Performing sewer cleaning operations in-house vs. contracting provides the City with a cost savings of \$40,000 per year for every 350,000 feet of sewer cleaned. Next funding will be in fiscal year 2025-26.



Projected Five-Year Cost Schedule								
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$300,000	\$0	\$0	\$0	\$0	\$0	\$400,000	\$700,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$300,000	\$0	\$0	\$0	\$0	\$0	\$400,000	\$700,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule								
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Beyond	Total
Trade In Value	\$0	\$0	\$0	\$0	\$0	\$0	\$120,000	\$120,000
Sewer Utility Fund	\$300,000	\$0	\$0	\$0	\$0	\$0	\$280,000	\$580,000
Total	\$300,000	\$0	\$0	\$0	\$0	\$0	\$400,000	\$700,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: 12,000lb Hydraulic Excavator **Project Number:** SAN-17

Project Type: Sewer System Equipment Replacement **Current Year Project Cost:** \$0

Department: Public Works-Sewer Maintenance **Funding Source:** Sewer Utility Fund

Strategic Plan Priority: Infrastructure

Description: Project Number SAN-17 is one of two projects created to replace the existing SAN-11 project and more accurately reflect the request in the Capital Improvements Plan. SAN-11 was a funded project which provided for the replacement of a rubber tired/backhoe/loader used in the daily tasks of maintenance and repairs. Beginning in FY 07-08 two separate pieces of equipment were requested and approved for purchase to provide the Public Works Division more flexibility with their equipment and activities.

Justification: This equipment is vital to the department to handle various construction tasks and after hour's emergency response. Downtime on emergency equipment must be kept to a minimum to ensure timely restoration of customer's services. By replacing this equipment every 2 years the city will maximize the discounted purchase price, reap a higher return on trade-in or resale value, and have a full warranty on the new equipment which will protect the city from catastrophic repair costs.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$230,300	\$0	\$61,400	\$0	\$64,000	\$0	\$355,700
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$230,300	\$0	\$61,400	\$0	\$64,000	\$0	\$355,700
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Trade In Amount	\$111,000	\$0	\$45,000	\$0	\$48,000	\$0	\$204,000
Sewer Utility Fund	\$119,300	\$0	\$16,400	\$0	\$16,000	\$0	\$151,700
Total	\$230,300	\$0	\$61,400	\$0	\$64,000	\$0	\$355,700

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Sewer Infrastructure Deployment **Project Number:** SAN-19

Project Type: Capital Improvements **Current Year Project Cost:** \$200,000

Department: Public Works **Funding Source:** Sewer Utility Fund

Strategic Plan Priority: Development and Redevelopment

Description: The project will fund the strategic deployment of sewer infrastructure to facilitate the development of the City. It is contemplated that annual budgeted funds may go unused year-over-year and will be accessed for projects meeting certain criteria. Priority will be given to sites/projects that meet one or more of the following criteria:

- Areas in the Intent to Annex plan.
- Consistency with the Comprehensive Plan.
- Promotes stated economic development objectives (e.g. job creation, business attraction and retention, shovel ready site, etc.). Provides systematic, long-term infrastructure solutions.

Justification: The City is uniquely positioned to play a significant role in site/area development through the deployment of critical infrastructure to make areas and sites within the City marketable and ultimately developable. Dedicating resources on an on-going basis will enable the City to respond to market demands and opportunities and systematically and strategically address the infrastructure needs of the City.

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$600,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,600,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$600,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,600,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Sewer Utility Fund	\$600,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,600,000
Total	\$600,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,600,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Hydraulic Track Loader
Project Number: SAN-20-19
Project Type: Sewer System Equipment Replacement
Current Year Project Cost: \$52,000
Department: Public Works – Sewer Maintenance
Funding Source: Sewer Utility Fund
Strategic Plan Priority: Infrastructure

Description: This piece of equipment was previously funded in the capital outlay program. Due to the \$50,000 limit and inflationary cost this equipment request is being moved to the capital improvement program. Project Number SAN-20-19 is one of two projects created to replace the existing SAN-11 project and more accurately reflect the request in the Capital Improvements Plan. SAN-11 was a funded project which provided for the replacement of a rubber tired/backhoe/loader used in the daily tasks of maintenance and repairs. Beginning in FY 07-08 two separate pieces of equipment were requested and approved for purchase to provide the Public Works Division more flexibility with their equipment and activities.

Justification: This equipment is vital to the department to handle various construction tasks and after hour’s emergency response. Downtime on emergency equipment must be kept to a minimum to ensure timely restoration of customer’s services. By replacing this equipment every 2 years the City will maximize the discounted purchase price, reap a higher return on trade-in or resale value, and have a full warranty on the new equipment which will protect the city from catastrophic repair costs.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$52,000	\$0	\$54,000	\$0	\$56,250	\$162,250
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$52,000	\$0	\$54,000	\$0	\$56,250	\$162,250
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Trade in amount	\$0	\$38,000	\$0	\$39,000	\$0	\$41,000	\$118,000
Sewer Utility Fund	\$0	\$14,000	\$0	\$15,000	\$0	\$15,250	\$44,250
Total	\$0	\$52,000	\$0	\$54,000	\$0	\$56,250	\$162,250

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: 1.5 Ton Service Truck **Project Number:** SAN-21-19

Project Type: Equipment Replacement **Current Year Project Cost:** \$0

Department: Public Works - Sewer **Funding Source:** Sewer Utility Fund

Strategic Plan Priority: Infrastructure

Description: Purchase of a 17,500 GVWR 4X4 truck with dump bed. This vehicle was previously funded in capital outlay FY 20 – 21. Due to the \$50,000 limit and inflationary cost this vehicle is being moved to CIP.

Justification: This truck will be used for daily maintenance of the City’s sanitary sewer system. The current vehicle is a 2006 with a service life of twelve years in the utilities division. With an additional five to eight years’ service in the Streets / Parks divisions. The sewer division operates a fleet of three similar style trucks. The Sewer Division operates three of these vehicles resulting in a replacement cycle of four years.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$60,000	\$0	\$0	\$0	\$60,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$60,000	\$0	\$0	\$0	\$60,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Sewer Utility Fund	\$0	\$0	\$60,000	\$0	\$0	\$0	\$60,000
Total	\$0	\$0	\$60,000	\$0	\$0	\$0	\$60,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Sewer Flushing Truck **Project Number:** SAN-23-20

Project Type: Sewer System Equipment **Current Year Project Cost:** \$250,000

Department: Public Works Sewer Maintenance **Funding Source:** Sewer Utility Fund

Strategic Plan Priority: Infrastructure

Description: This request is for the addition of a sewer flushing truck to support both preventative maintenance activities and emergency response to customer back-ups.

Justification: The department currently performs all tasks with one combination flushing/vacuum truck that is scheduled to be replaced every 6 years. The recent surge in communication installations within the public right of ways have increased the need to reduce liabilities during excavations by using hydro-excavating practices. This has placed a demand on the vacuum truck resulting in scheduling conflicts and a restricted ability to complete scheduled preventative maintenance flushing. In addition, during periods of down time the department must utilize contracted providers to perform emergency flushes for residents resulting in substandard response times and increased costs. The addition of this piece of equipment would eliminate these issues and enable the department to push the years of service for both pieces of equipment out to 12 years resulting in both lower annual costs and higher level of service to the community.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Sewer Utility Fund	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Total	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Sludge Removal **Project Number:** SNI-01

Project Type: Repetitive Operational Maintenance **Current Year Project Cost:** \$2,500,000

Department: Public Works – Sni-A-Bar **Funding Source:** Sewer Utility Fund

Strategic Plan Priority: Infrastructure

Description: The Sni-A-Bar wastewater treatment facility utilizes sludge treatment cells for the interim process between removal of sludge from the activated sludge process and permanent disposal from the treatment plant. Through an agreement with the Department of Natural Resources the City has been able to extend the period before sludge is required to be removed (normally 2 years) by adding micro-organisms to the sludge treatment cells to continue the decomposition process. This process can extend the storage capacity of the treatment cells by an additional 2-3 years.

Justification: Regular disposal of waste sludge is required under the permit issued by the State of Missouri. This project is needed based on the agreements with DNR and the available storage capacity of the treatment cells and should be performed every 6 years.



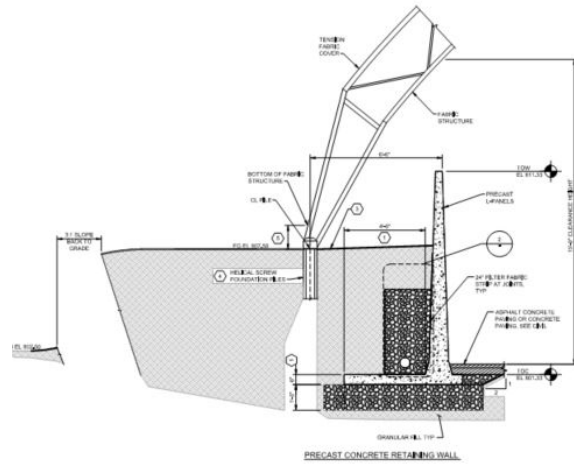
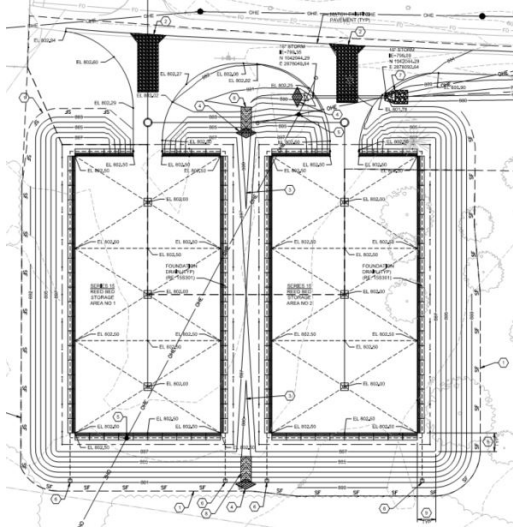
Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$1,000,000	\$2,500,000	\$0	\$0	\$0	\$0	\$3,500,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,000,000	\$2,500,000	\$0	\$0	\$0	\$0	\$3,500,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Sewer Utility Fund	\$1,000,000	\$2,500,000	\$0	\$0	\$0	\$0	\$3,500,000
Total	\$1,000,000	\$2,500,000	\$0	\$0	\$0	\$0	\$3,500,000

<u>Project Title:</u>	Reed Bed Sludge Drying Facility	<u>Project Number:</u>	SNI-04-19
<u>Project Type:</u>	Infrastructure	<u>Current Project Cost:</u>	\$1,350,000
<u>Department:</u>	Public Works	<u>Funding Source:</u>	Sewer Utility Fund
<u>Strategic Plan Priority:</u>	Regulatory		

Description: The project has been revised since it was submitted for inclusion in the 2018-19 CIP. This project provides for the engineering and construction of 28,450 square feet of all-weather surface drying area to be used in the final disposal process of the sludge from the wastewater treatment plants reed drying beds. This facility will include a drainage system to capture leachate from the area and return it to the head works of the treatment facility.

Justification: The reed beds have been in operation for three years and have approximately two years of capacity left. At that time the sludge will need to be removed and placed in covered storage for one additional year to complete the pathogen reduction. Following this the dried material will be trucked and land applied on nearby City property with City equipment and forces resulting in substantial savings over contracted services. The requested timeline for funding and construction is critical in the continued operation of the reed beds to restore their capacity. In the original project a block wall foundation was proposed with a fabric over metal structure being built on top of the foundation.

After further research it has been determined the structure will be much more durable with a poured foundation backed by earth fill. Due to the large size of the WWTP’s sludge reed bed system (4 acres total with about 1 acre per bed, 4 beds total), a sizeable amount of area is needed for the temporary storage of stabilized solids from 1 bed. Sludge should be removed from the beds every 7 to 10 years. Typically, a smaller system with 1 or 2 beds result in their sludge staging area being more temporary in nature and not used on a consistent basis. Since staff will have to rotate between beds by cleaning out only 1 bed every year, the storage area will be in use about 85% of the time. This results in the structure needing to be constructed in a manner that will make it serviceable and useable for a 20-year life span. As such, the use of concrete walls of precast or cast in place concrete are recommended as compared to a more temporary “Jersey Barrier” type of construction with liner membranes. Also, due to the volume of material requiring storage, it was determined during design that the use of two structures versus one large one was more suited to the site area available, including space needed for truck traffic into and out of the covered areas. Therefore, the use of concrete retaining walls and two smaller structures versus one larger one resulted in an updated project cost estimate being prepared during the design phase.



Projected Five-Year Cost Schedule								
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total	
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$140,000	\$0	\$0	\$0	\$0	\$0	\$0	\$140,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$1,350,000	\$0	\$0	\$0	\$0	\$0	\$1,350,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$140,000	\$1,350,000	\$0	\$0	\$0	\$0	\$0	\$1,490,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule								
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total	
Sewer Utility Fund	\$140,000	\$1,350,000	\$0	\$0	\$0	\$0	\$0	\$1,490,000
Total	\$140,000	\$1,350,000	\$0	\$0	\$0	\$0	\$0	\$1,490,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Pavement Management Program **Project Number:** ST-06

Project Type: Street Improvements **Current Year Project Cost:** \$2,500,000

Department: Public Works **Funding Source:** Transportation-Tax

Strategic Plan Priority: Infrastructure

Description: Annual pavement management program

Justification: The annual Pavement Management Program (PMP) is replacing the Street Rehabilitation Program (SRP), that ran from 2008-2017. The SRP has overlaid 142 miles of streets (See the table below for additional detail). The PMP is designed to extend the useful life of public streets and provides for a safe, reliable road network in the City. Projects are selected based on the Pavement Quality Index, PQI, and the Pavement Condition Index, PCI, which assigns a rating from 0-100 to each street segment. The indexes are based on empirical data collected by Stantec during the fall of 2016 and analyzed during the winter of 2017. The PQI/PCI ratings are a combination of criteria collected during an automated survey using lasers to assess the surface condition of the roads. The PCI is utilized for shorter, low volume roads and the PQI adds a factor for smoothness on collector and arterial streets.

The average PQI/PCI score throughout the city is currently 59.5. Most cities in the area average between 53 and 64. At this time, funding in the CIP is recommended to increase to \$2.8M in 2019 which will allow the system to hold steady or degrade slightly over the next five years to an average rating of 50 before stabilizing and beginning a modestly increase once the backlog of overlay projects are completed. Overlay will still be a large portion of the program; however, varied surface treatments will be added to the program to extend the life of previously paved streets. A subsequent survey and analysis by an outside firm will be performed every three years to develop a history and formulate a trend line for the system. The results will allow the PMP to be continuously monitored and periodically adjusted to respond to the changing conditions of the City's street network with the ultimate goal of providing the most efficient and effective program possible with the resources available.

The program will begin in earnest in the spring of 2019. The 2018 funds were reallocated to be used to rebuild NE Roanoke Drive from Adams Dairy Parkway to Porter Road, identified as CIP project ST-08 in 2018.

STREET TYPE	CITY STANDARD	TOTAL MILES (centerline miles)	ANNUAL STREET REHABILITATION PROGRAM (THRU 2017)	
			Miles	%
Arterial	7-12 years	8.4	2.4	55.00
Collector	10-15 years	100	62.35	62.35
Residential	15-25 years	133.8	86.9	64.94
TOTAL		242.2	153.65	63.43

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$24,300,000	\$2,500,000	\$2,800,000	\$2,800,000	\$2,800,000	\$2,800,000	\$38,000,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$24,300,000	\$2,500,000	\$2,800,000	\$2,800,000	\$2,800,000	\$2,800,000	\$38,000,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Trans-Tax	\$23,377,000	\$2,800,000	\$2,500,000	\$2,800,000	\$2,800,000	\$2,800,000	\$37,077,000
JCCUR	\$923,000	\$0	\$0	\$0	\$0	\$0	\$923,000
Total	\$24,300,000	\$2,800,000	\$2,500,000	\$2,800,000	\$2,800,000	\$2,800,000	\$38,000,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Snow Plow/Dump Truck **Project Number:** ST-24

Project Type: Equipment Replacement **Current Year Project Cost:** \$0

Department: Public Works-Streets **Funding Source:** General Fund

Strategic Plan Priority: Infrastructure

Description: Purchase of a new dump truck with integral salt spreader and snow plow equipment.

Justification: These units will be utilized in road maintenance activities and snow removal operations. They will replace frontline units that will be moved into the residential fleet. Units displaced from the residential fleet are sent to auction. The typical length of service for a snowplow/dump truck is 20 years.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$1,369,680	\$0	\$152,981	\$157,570	\$165,000	\$169,000	\$2,014,231
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,369,680	\$0	\$152,981	\$157,570	\$165,000	\$169,000	\$2,014,231
Op Expense	\$57,228	\$0	\$0	\$0	\$0	\$0	\$57,228
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
General Fund	\$1,369,680	\$0	\$152,981	\$157,570	\$165,000	\$169,000	\$2,014,231
Total	\$1,369,680	\$0	\$152,981	\$157,570	\$165,000	\$169,000	\$2,014,231

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: 1.5 Ton Dump/Snow Truck **Project Number:** ST-26

Project Type: Equipment Replacement **Current Year Project Cost:** \$82,000

Department: Public Works - Streets **Funding Source:** General Fund

Strategic Plan Priority: Infrastructure

Description: Purchase of a 17,500 GVWR 4X4 truck with dump bed, hydraulics, and snow removal equipment

Justification: This truck will be used for daily maintenance of the City's streets and rights-of-way. Maintenance includes patching, crack sealing, brush removal, litter patrol, and emergency debris removal. This unit will also serve as the frontline snow removal truck in congested areas throughout the city. It will replace unit 518 which will be retired from the fleet. The streets division operates a fleet of four flatbed style 1.5-ton trucks. The anticipated life of these trucks is 16 years of service, which results in a replacement cycle of four years. The last truck purchased was in FY 10-11.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$82,000	\$0	\$85,000	\$0	\$0	\$167,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$82,000	\$0	\$85,000	\$0	\$0	\$167,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
General Fund	\$0	\$82,000	\$0	\$85,000	\$0	\$0	\$167,000
Total	\$0	\$82,000	\$0	\$85,000	\$0	\$0	\$167,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Street Difference **Project Number:** ST-27

Project Type: Street Construction **Current Year Project Cost:** \$0

Department: Public Works – Street Division **Funding Source:** Transportation Sale Tax

Strategic Plan Priority: Infrastructure

Description: Funds used for the completion of road projects where half of the road is built by an adjoining project.

Justification: These funds are used to complete a section of roadway when half is paid for by the adjoining project. Example: The north side of Broadway is improved with curb and gutter and a 14' asphalt lane for 300 feet. The south side is undeveloped and to leave the road in this condition may cause safety issues for the motoring public. The City could use these funds to complete the south side of the road to provide a safe road section. Funding for this project has been deferred until FY 2021-22 to assist with the completion of other street-related projects.



Projected Five-Year Cost Schedule								
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total	
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$750,000	\$0	\$0	\$75,000	\$75,000	\$75,000	\$975,000	\$975,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$750,000	\$0	\$0	\$75,000	\$75,000	\$75,000	\$975,000	\$975,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule								
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total	
Transportation Tax	\$750,000	\$0	\$0	\$75,000	\$75,000	\$75,000	\$975,000	\$975,000
Total	\$750,000	\$0	\$0	\$75,000	\$75,000	\$75,000	\$975,000	\$975,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: 7 Highway Sidewalk Infill **Project Number:** ST-43

Project Type: Street Improvements **Current Year Project Cost:** \$777,500

Department: Public Works **Funding Source:** Transportation Tax
STP Grant

Strategic Plan Priority: Infrastructure Maintenance

Description: Placement of ADA complaint sidewalks along 7 Hwy from I-70 to Moreland School Rd.

Justification: This project would provide for ADA ramps and continuous sidewalk along 7 Hwy, providing a safer pedestrian movement.

The project is comprised of three phases:

- North: \$1.2M – Partially funded in 2020
- Central: \$1.3M - Unfunded
- South: \$1.3M – Unfunded

All three phases were submitted to the MARC Surface Transportation Program for grant funding. The North section was selected to receive partial funding in the amount of \$582,000 (the initial request was for \$1.2M) in 2020. The funded portion of this project reflects partial completion of the North phase of the project area to the extent that can be built with those funds.

Design, ROW and easement costs are not funded by the grant. There will be approximately \$700,000 worth of work remaining on the North segment after completion of the scaled project. The Central and South sections were not selected for funding; an additional \$3.3M will be required to fund the balance of the project.

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$110,000	\$0	\$0	\$0	\$0	\$0	\$110,000
Design	\$290,000	\$0	\$0	\$0	\$0	\$0	\$290,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$777,500	\$0	\$0	\$0	\$0	\$777,500
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$400,000	\$777,500	\$0	\$0	\$0	\$0	\$1,177,500
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
MARC STP Grant	\$0	\$582,000	\$0	\$0	\$0	\$0	\$582,000
Transportation Tax	\$400,000	\$195,500	\$0	\$0	\$0	\$0	\$595,500
Total	\$400,000	\$777,500	\$0	\$0	\$0	\$0	\$1,177,500

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Concrete Repair and Maintenance **Project Number:** ST-44

Project Type: Infrastructure Maintenance **Current Year Project Cost:** \$365,000

Department: Public Works **Funding Source:** Water Utility Fund
Sidewalk Maintenance Fund

Strategic Plan Priority: Infrastructure

Description: In the 2015-16 Budget the City Council authorized the creation of an in-house maintenance program with the mission to correct safety issues (e.g. trip hazards, grade deviations, etc.) and significant defects in the sidewalk system throughout the City—as identified in the Sidewalk Inventory and ADA Transition Plan—as well as replacement of sidewalks, driveways, curbs, and other concrete infrastructure impacted by settlement and/or maintenance of City utility infrastructure.

Annual program goals include repair/replacement of 60,000 square feet of concrete infrastructure, which represents a 255 percent increase over the previous service level. Fiscal year-2016-17 performance indicates it has reached 71% or 42,725 square feet of the annual goal.

Justification: The City Council approved Ordinance Number 4340 in 2011 which required the City to assume maintenance of the sidewalk system throughout the City. Sidewalk condition and maintenance is consistently rated as an important priority in the citizen surveys administered by ETC. The proposed program provides for a flexible delivery mechanism with improved efficiency and responsiveness.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$690,400	\$195,000	\$205,000	\$215,000	\$221,450	\$229,000	\$1,755,850
Equipment	\$20,600	\$5,600	\$5,800	\$6,000	\$7,000	\$8,000	\$53,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$2,565,000	\$164,400	\$173,200	\$185,000	\$197,000	\$210,000	\$3,494,600
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$3,276,000	\$365,000	\$384,000	\$406,000	\$425,450	\$447,000	\$5,303,450
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
General Fund Transfer	\$1,783,000	\$0	\$0	\$0	\$0	\$0	\$1,783,000
Sidewalk Maintenance	\$602,600	\$170,000	\$179,000	\$191,000	\$204,000	\$218,000	\$1,564,600
Trans Tax	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
Water Utility Fund	\$690,400	\$195,000	\$205,000	\$215,000	\$221,450	\$229,000	\$1,755,850
Total	\$3,276,000	\$365,000	\$384,000	\$406,000	\$425,450	\$447,000	\$5,303,450

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: 7 Hwy and South Ave Traffic Signal **Project Number:** ST-53

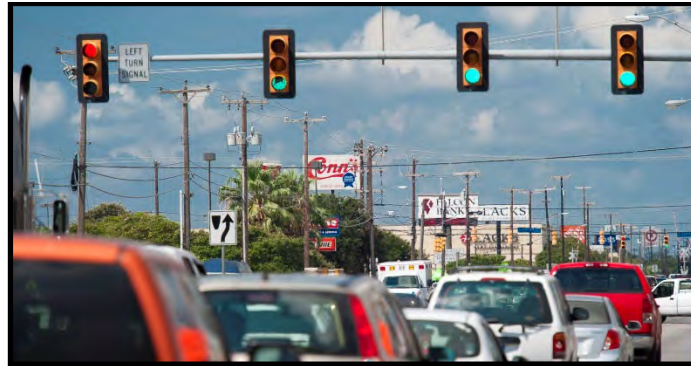
Project Type: Street Improvements **Current Year Project Cost:** \$902,500

Department: Public Works **Funding Source:** Transportation Tax
Congestion Mitigation/Air Quality Grant

Strategic Plan Priority: Infrastructure

Description: Placement of a traffic signal at the intersection of 7 Hwy and South Ave with associated roadway improvements.

Justification: The City partnered with MoDOT to request funds through the Mid-America Regional Council's (MARC) Surface Transportation Plan process. The project was awarded partial funding (\$410,000). The intersection meets the criteria for a signal as identified by MoDOT. The addition of the traffic signal is in response to an increase in traffic and subsequent accidents because of the relocation of the retail sales operation of the United States Post Office to the carrier facility on South Avenue. A request for MoDOT to provide assistance in the form of design and construction management services has been made to help offset project costs.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000
Design	\$210,000	\$0	\$0	\$0	\$0	\$0	\$210,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$902,500	\$0	\$0	\$0	\$0	\$902,500
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$310,000	\$902,500	\$0	\$0	\$0	\$0	\$1,212,500
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Trans-Tax	\$310,000	\$492,500	\$0	\$0	\$0	\$0	\$802,500
CMAQ Grant	\$0	\$410,000	\$0	\$0	\$0	\$0	\$410,000
Total	\$310,000	\$902,500	\$0	\$0	\$0	\$0	\$1,212,500

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Stormwater Maintenance **Project Number:** STM-06

Project Type: Stormwater Maintenance **Current Year Project Cost:** \$50,000

Department: Public Works **Funding Source:** General Fund

Strategic Plan Priority: Infrastructure

Description: Ongoing maintenance of the City's stormwater assets. This includes the replacement or lining of sections of storm pipe that have reached the end of their useful life, rehabilitation or replacement of stormwater inlets, and televised inspection stormwater assets.

Justification: The City's stormwater system consists of 121 miles of pipe below city streets, sidewalks, and between homes and businesses along with 5,272 inlets, 481 junction boxes, and 104 box culverts. Approximately 52% of the pipe is made corrugated metal which rusts and ultimately fails over time. Dips in streets, curbs, and sidewalks and eventually sink holes can and do result from these defects.

Current funding levels are not sufficient to adequately maintain the City's stormwater infrastructure in a comprehensive or proactive manner. The \$50,000 request will likely increase over time as the system's integrity continues to diminish.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$200,000	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000	\$650,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$200,000	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000	\$650,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
General Fund	\$200,000	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000	\$650,000
Total	\$200,000	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000	\$650,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Rubber Tired Front End Loader **Project Number:** WA-03

Project Type: Water System Equipment Replacement **Current Year Project Cost:** \$0

Department: Public Works – Water Maintenance **Funding Source:** Water Utility Fund

Strategic Plan Priority: Infrastructure

Description: Purchase a rubber tired front end loader to replace the existing equipment.

Justification: This piece of equipment is vital to the department to handle various construction tasks and emergency repairs. Downtime must be kept to a minimum to ensure availability when needed. By replacing this equipment every 5 years the City will maximize the initial equity gained from the municipal discounts offered by manufacturers and reap a higher return rate on trade-in or resale value while maintaining a full warranty to protect from catastrophic repairs.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$228,000	\$0	\$0	\$127,000	\$0	\$0	\$355,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$228,000	\$0	\$0	\$127,000	\$0	\$0	\$355,000
Op Expense	\$30,093	\$2,900	\$3,000	\$3,000	\$0	\$0	\$38,993
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Trade In Value	\$68,000	\$0	\$0	\$80,000	\$0	\$0	\$148,000
Water Utility Fund	\$160,000	\$0	\$0	\$47,000	\$0	\$0	\$207,000
Total	\$228,000	\$0	\$0	\$127,000	\$0	\$0	\$355,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: 18,000lb class Hydraulic Excavator **Project Number:** WA-04

Project Type: Water System Equipment Replacement **Current Year Project Cost:** \$0

Department: Public Works – Water Maintenance **Funding Source:** Water Utility Fund

Strategic Plan Priority: Infrastructure

Description: Purchase a hydraulic excavator to replace the existing equipment.

Justification: This piece of equipment is vital to the department to handle various construction tasks and emergency repairs. Downtime must be kept to a minimum to ensure availability when needed. By replacing this equipment every 4 years the City will maximize the initial equity gained from the steep municipal discounts offered by manufacturers and reap a higher return rate on trade-in or resale value while maintaining a full warranty to protect from catastrophic repairs.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$192,000	\$0	\$112,320	\$0	\$0	\$0	\$304,320
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$192,000	\$0	\$112,320	\$0	\$0	\$0	\$304,320
Op Expense	\$29,258	\$1,300	\$1,400	\$0	\$0	\$0	\$31,958
Cost Savings	\$5,400	\$0	\$0	\$0	\$0	\$0	\$5,400
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Trade In Value	\$71,000	\$0	\$75,800	\$0	\$0	\$0	\$146,800
Water Utility Fund	\$121,000	\$0	\$36,520	\$0	\$0	\$0	\$157,520
Total	\$192,000	\$0	\$112,320	\$0	\$0	\$0	\$304,320

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Miscellaneous Watermain Maintenance **Project Number:** WA-12

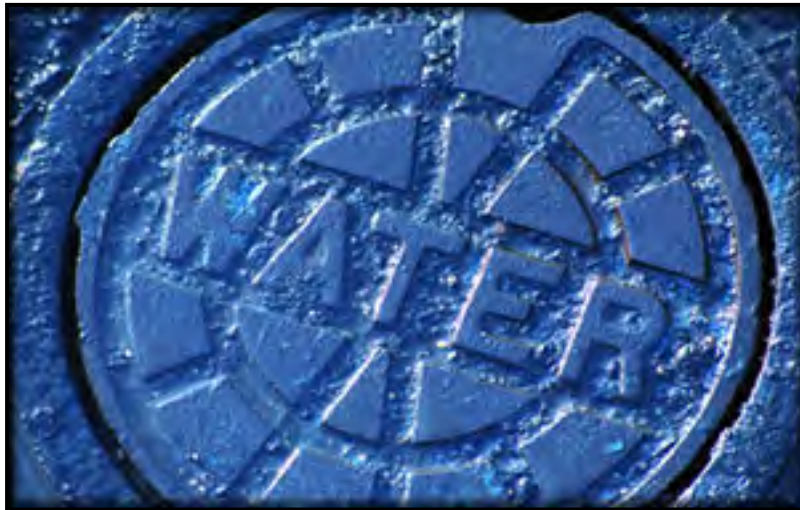
Project Type: Water System Improvements **Current Year Project Cost:** \$400,000

Department: Public Works **Funding Source:** Water Utility Fund

Strategic Plan Priority: Infrastructure

Description: Upgrading of the City's water-infrastructure to current standards. There were approximately 60 locations originally identified.

Justification: There are several locations throughout the water distribution system served by undersized mains constructed of cast iron pipe. These water mains are prone to failure resulting in customers being without water more frequently than average and increased maintenance costs to the City. The upsizing of these mains will also increase fire protection in these areas. The City typically bids the projects every 3-5 years to achieve maximum economy of scale.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$3,500,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$5,500,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$3,500,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$5,500,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Water Utility Fund	\$3,500,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$5,500,000
Total	\$3,500,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$5,500,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Water Tank Maintenance Contract **Project Number:** WA-14

Project Type: Water System Maintenance **Current Year Project Cost:** \$177,193

Department: Public Works – Water Maintenance **Funding Source:** Water Utility Fund

Strategic Plan Priority: Infrastructure

Description: The water maintenance division has determined that it is advantageous to place the City's most valuable water assets (the water towers and storage tanks) on a contracted maintenance/management system. Many communities throughout the United States and the state of Missouri utilize storage tank maintenance agreements to level the annual costs associated with tank ownership which include re-painting, inspection, structural repairs, cleaning, correction of vandalism, and other maintenance/repair related items. These programs ensure the tanks are always in compliance with state and federal regulations, deliver safe potable water to customers, and maintain an attractive storage facility for the community. There is a reduction in the contract amount due to the decommissioning of the downtown water tower.

Justification: The Water Department has utilized contracted maintenance for the past four years with positive results. Since the maintenance contract is perpetual and with one firm, the repetitive engineering costs are eliminated. The maintenance program allows repairs to be completed in the same season they are identified, thereby providing a higher level of maintenance to the assets. Tank and tower maintenance programs are favorably recognized by the Missouri Department of Natural Resources as beneficial to communities in delivering safe water to their customers and realizing the maximum life from their assets.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$2,622,731	\$177,193	\$186,060	\$195,400	\$206,220	\$216,531	\$3,604,135
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$2,622,731	\$177,193	\$186,060	\$195,400	\$206,220	\$216,531	\$3,604,135
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Water Utility Fund	\$2,622,731	\$177,193	\$186,060	\$195,400	\$206,220	\$216,531	\$3,604,135
Total	\$2,622,731	\$177,193	\$186,060	\$195,400	\$206,220	\$216,531	\$3,604,135

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: Water Infrastructure Deployment **Project Number:** WA-17

Project Type: Capital Improvements **Current Year Project Cost:** \$200,000

Department: Public Works **Funding Source:** Water Utility Fund

Strategic Plan Priority: Development and Redevelopment

Description: The project will fund the strategic deployment of water service infrastructure to facilitate the development of the City. It is contemplated that annual budgeted funds may go unused year-over-year and will be accessed for projects meeting certain criteria. Priority will be given to sites/projects that meet one or more of the following criteria:

- Areas in the Intent to Annex plan.
- Consistency with the Comprehensive Plan.
- Supports stated economic development objectives (e.g. job creation, business attraction and retention, shovel ready site, etc.).
Provides systematic, long-term infrastructure solutions.

Justification: The City is uniquely positioned to play a significant role in site/area development through the deployment of critical infrastructure to make areas and sites within the City marketable and ultimately developable. Dedicating resources on an on-going basis will enable the City to respond to market demands and opportunities and systematically and strategically address the infrastructure needs of the City.

Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$700,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,700,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$700,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,700,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Water Utility Fund	\$700,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,700,000
Total	\$700,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,700,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: 1.5 Ton Service Truck **Project Number:** WA-18-19

Project Type: Equipment Replacement **Current Year Project Cost:** \$0

Department: Public Works - Water **Funding Source:** Water Utility Fund

Strategic Plan Priority: Infrastructure

Description: Purchase of a 17,500 GVWR 4X4 truck with dump bed. This vehicle was previously funded in capital outlay FY 18 - 19. Due to the \$50,000 limit and inflationary cost this vehicle is being moved to CIP.

Justification: This truck will be used for daily maintenance of the City's water system. The current vehicle is a 2008 with a service life of twelve years in the utilities division with an additional five to eight years of service in the Streets / Parks divisions. The Water Division operates three of these vehicles resulting in a replacement cycle of four years.



Projected Five-Year Cost Schedule							
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$60,000	\$0	\$0	\$0	\$66,000	\$0	\$126,000
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$60,000	\$0	\$0	\$0	\$66,000	\$0	\$126,000
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Projected Five-Year Funding Schedule							
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Water Utility Fund	\$60,000	\$0	\$0	\$0	\$66,000	\$0	\$126,000
Total	\$60,000	\$0	\$0	\$0	\$66,000	\$0	\$126,000

CAPITAL IMPROVEMENTS PROGRAM

2020 - 2024

Project Title: South Outer Road Water Main Replacement **Project Number:** WA-19-20

Project Type: Water Main Replacement **Funded Project Cost:** \$1,300,000

Department: Public Works Water **Funding Source:** Water Utility Fund

Strategic Plan Priority: Infrastructure

Description: This project provides for the replacement of 7,466 feet of 8-inch ductile iron water main with 12-inch PVC water main from 7 Hwy to McCarthy Auto along South Outer Road.

Justification: The existing 8-inch ductile iron pipe water main was installed in 1980 without a polyvinyl liner to protect the main from the effects of corrosion. Over time the corrosion has resulted in many pipe failures with several resulting in lengthy repairs and reducing the reliability of the main to provide service. This main serves several businesses along the South Outer Road including restaurants, hotels, and medical buildings which are financially impacted each time this main fails. While this project is being identified as a stand-alone project, funding is being requested through the already approved WA-12 Miscellaneous Water Main Maintenance project. WA-12 is generally used every 3-5 years to build up funds to maximize economies of scale. No funds have been utilized during the past 3 years to address this more urgent project.



Projected Five-Year Cost Schedule								
Cost Breakdown	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total	
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Design	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000	
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Landscape	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Construction	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	
Contingency	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000	
Total	\$100,000	\$1,200,000	\$0	\$0	\$0	\$0	\$1,300,000	
Op Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Projected Five-Year Funding Schedule								
Source	Prior	2019-20	2020-21	2021-22	2022-23	2023-24	Total	
Water Fund	\$100,000	\$1,200,000	\$0	\$0	\$0	\$0	\$1,300,000	
Total	\$100,000	\$1,200,000	\$0	\$0	\$0	\$0	\$1,300,000	

