



2022-2026 Capital Improvements Plan



Approved By the Board of Alderman:
March 22, 2021

Resolution R21-27

The Honorable Chuck Johnston and Board of Aldermen:

I am pleased to submit the proposed 2022-2026 Capital Improvements Plan (CIP). Capital improvements planning is the multi-year scheduling of large-scale capital improvements and major purchases. The CIP also acts as a public information document to advise residents and property owners of how the City plans to address significant capital needs over the next five years.

It is important to emphasize that the CIP is a flexible plan that can be altered as conditions, funding, priorities, and regulations change. With growing demands for project expenditures and a limited amount of Local, State and Federal resources available, it has become increasingly difficult to predict the availability of future funding for capital projects. As the population in Grain Valley continues to grow, so do the demands on City services. It is imperative that our organization plan the use of our limited dollars wisely to complete this plan and ultimately benefit all citizens of the City of Grain Valley.

The benefits of adopting a Capital Improvements Plan are as follows:

- Offer a vital link between the Comprehensive Plan and the actual construction of public improvements.
- Ensure that plans for community facilities are carried out.
- Improve scheduling of public improvements that require more than one year to construct.
- Provide an opportunity to acquire needed land before costs escalate.
- Provide an opportunity for long-range financial planning and management.
- Offer an opportunity for residents and community interest groups to participate in decisions that directly impact the future of Grain Valley.

The City of Grain Valley 2022-2026 Capital Improvements Plan provides general information about the CIP process and gives details regarding the funding of the projects:

- Capital Improvements Overview
- Capital Improvement Process
- Capital Improvement Plan Implementation
- Capital Improvement Funding

Each of the above plan areas will contain the following details of each project:

- Project Title
- Project Type
- Department
- Description
- Justification
- Projected Cost Schedule

- Projected Funding Schedule

Highlights contained in the 2022-2026 CIP include:

- The proposed road improvement asphalt overlay program
- Water/Sewer capital improvement projects
- Significant street improvement and construction projects
- Recreational Trail System which has been narrowed down to the most immediate projects
- Vehicle and equipment replacement program
- Major Police Department purchases

Preparation of the CIP and the projects reflected in it are the result of considerable effort from City staff. The CIP was presented for review and comment to the Planning and Zoning Commission on March 10, 2021.

Respectfully submitted,



Ken Murphy
City Administrator

PROJECT	PROJECT NAME	TOTAL	Year	Funded/Unfunded
PR -5D	Park Trail Master Plan	\$ 328,440	Beyond	unfunded
PR-5E	Park Trail Master Plan	\$ 198,750	Beyond	funded
PR-5G	Park Trail Master Plan	\$ 332,911	Beyond	unfunded
PR-7A	Park Trail Master Plan	\$ 90,000	2022	funded
PR-7C	Park Trail Master Plan	\$ 71,500	Beyond	unfunded
PR-7D	Park Trail Master Plan	\$ 110,603	Beyond	unfunded
PR-7E	Park Trail Master Plan	\$ 174,006	Beyond	unfunded
PR-7F	Park Trail Master Plan	\$ 191,324	Beyond	unfunded
PR-7G	Park Trail Master Plan	\$ 339,240	2023	unfunded
PR-9	Park Trail Master Plan	\$ 365,122	Beyond	unfunded
PR-10A	Park Trail Master Plan	\$ 456,870	Beyond	unfunded
PR-10B	Park Trail Master Plan	\$ 471,000	Beyond	unfunded
PR-11	Monkey Mountain Parking Lot	\$ 140,848	Beyond	unfunded
PR-12	Armstrong Park Playground Equipment	\$ 400,000	2022	unfunded
PR-13	Armstrong Park Loop Trail Resurfacing	\$ 10,000	2022	unfunded
PW-3	Downtown Phase IIB Street Improvements	\$ 1,717,594	Beyond	funded/unfunded
PW-4B	Downtown Phase IV Street Improvements	\$ 834,560	2023/2024	unfunded
PW-6	James Rollo Sanitary Sewer Upgrade	\$ 815,710	2026	funded/unfunded
PW-23	Buckner Tarsney Water Line Extension	\$ 317,000	2023	unfunded
PW-24	Water Tower Upgrade	\$ 4,600,000	2024/2025	unfunded
PW-27	2022 Pavement Maintenance Program	\$ 526,830	2022	unfunded
PW-28	2023 Pavement Maintenance Program	\$ 564,650	2023	unfunded
PW-30	2024 Pavement Maintenance Program	\$ 505,700	2024	unfunded
PW-31	2025 Pavement Maintenance Program	\$ 534,400	2025	unfunded
PW-33	2026 Pavement Maintenance Program	\$ 524,250	2026	unfunded
PW-34	Eagles Parkway Phase A	\$ 2,430,000	2024/beyond	unfunded
VR-CD	Vehicle Replacment-Community Development	\$ 55,500	2023/2025	unfunded
VR-PD	Vehicle Replacment-Police Department	\$ 301,400	2022/beyond	unfunded
VR-PR	Vehicle/Equipment Replacment-Parks Department	\$ 93,200	2022/beyond	unfunded
VR-PW	Vehicle/Equipment Replacment-Public Works	\$ 952,000	2022/beyond	unfunded
PD-1	Police Duty Firearm Replacement	\$ 17,000	2022	unfunded
PD-2	Police Radio Replacement	\$ 209,000	2022/beyond	unfunded
	TOTAL	\$ 18,679,408		



CAPITAL IMPROVEMENTS OVERVIEW

A Capital Improvement Plan (CIP) is a major financial, public infrastructure and capital purchase planning tool for municipalities. The CIP is a statement of the City's policies and financial abilities to manage the physical development of the community and plan capital purchases. The development of a five (5) year CIP provides information for planned improvements and major capital purchases with anticipated funding and identifying potential funding sources. Through the presentation of the identified projects and purchases combined with funding availability and alternatives, the CIP presents a systematic plan for providing the needed improvements within a prioritized framework.

The proposed Fiscal Year 2022 to 2026 CIP for the City of Grain Valley sets the general schedule for which public improvements and major purchases are to be undertaken given the current circumstances. The CIP is not a static document, but rather, a fluid document that can be changed as the City's infrastructure and requirements change, development occurs, and funding opportunities become available or change.

The CIP includes projects that are fully, partially or not yet funded. Some projects that relate to capital improvements may come out of the same budget sources but are not included in the CIP. The five-year plan represents projects and major purchases that are proposed for funding at this time based on the current revenue projections but may change as priorities and available funding are updated.

As new projects are identified and new revenues become available, projects are added to the annual prioritized funding schedule. Additionally, the City prepares an estimated operating and maintenance cost of the proposed improvements to be funded.

One major change in the CIP this year is the addition of major purchases such a vehicle and equipment replacement or additions. The change to the CIP helps the City provide a

greater focus on maintenance related projects and critical equipment in addition to infrastructure improvements.

There are several benefits that can be derived from developing and adopting a CIP. It can provide valuable information to citizens, developers, and businesses that are interested in the development of the community. The CIP provides a long-range financial planning and management tool for the Mayor, Board of Aldermen and City Staff. It will also help with the coordination of projects and timely planning for future developments. The CIP reflects the community's assets, needs and goals.

CAPITAL IMPROVEMENT PROCESS

DEFINITION

A capital improvement is a necessary or desirable project or major purchase that supports or improves and enhances the City's ability to provide safe and desirable services for the benefit of our community and the future of the City of Grain Valley. These projects directly affect the City's citizens as far as safety, travel and ability to conduct business within our community. In addition to the projects normally included in the Capital Improvement Plan, major purchases of critical need have been included. These major purchases include the major equipment, vehicles, computers and other major purchases.

IDENTIFICATION

The need for capital improvements and major purchases may be identified by an appropriate master plan, vehicle and equipment replacement program, and by changes within a growing community or by regulatory legislation. Smart capital improvement identification provides the ability to change the appearance and make the community more desirable to existing and potential residents, businesses and industries. Projects and purchases are prioritized based on many factors including their critical necessity, effect on property values, city growth, and the overall health, safety and welfare of the citizens.

CREATION

When a capital improvement has been identified, the Community Development Director, City Engineer or other Department Head defines the scope and prepares a preliminary cost estimate for design, acquisition of property, if applicable, construction and or acquisition or replacement of equipment. These cost estimates are general in nature.

CAPITAL IMPROVEMENT PROGRAM FUNDING

Where Does the Money Come From?

All funding sources that may be used for various capital improvements are reviewed each year. Most of the work to develop the CIP focuses on the balancing of available resources with the identified budget needs. Consideration must be given to legal limitations of debt capacity, as well as the impact of debt issuance on tax rates, and user charges. Financial analysis utilize staff projections of future bond sales, interest rates, population growth, increases in assessed valuation, user fees, potential grant opportunities and other variables. The following is a list of existing funding sources and definitions for each:

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. These include the general governmental service such as general administration, municipal court, planning, public safety, and public works/engineering. It can be and is used to provide funds for programs and projects where shortfalls exist.

Transportation Fund

The Transportation Fund (Street Fund) is used for the Annual Paving Program, Ice and Snow Removal, and Street Maintenance. The main sources of revenue for this fund include a ½ cent transportation sales tax, motor vehicle sales tax, and a fuel tax.

Water/Sewer Fund

The Water/Sewer Fund covers all expenses related to providing water and sewer to the residents and businesses in Grain Valley. The main sources of revenue for the Water/Sewer Fund come from:

- Rates and User Fees
- Tap Fees
- Impact Fees

Capital Improvements Fund

The Capital Improvements Fund is funded solely by a ½ cent capital improvements sales tax. The revenues fund capital improvement items not provided in the General Fund.

G.O. Bond Fund

The City is authorized to issue General Obligation Bonds payable from ad valorem taxes to finance capital improvement and equipment upon a two-thirds majority vote, and on general election dates, a four-sevenths majority vote, of the qualified voters. The Missouri Constitution permits the City to incur general obligation indebtedness for general purposes not to exceed 10 percent of the assessed valuation of taxable tangible property. The City is also permitted 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.

ALTERNATIVE FUNDING SOURCES

Tax Increment Financing (TIF)

Tax Increment Financing provides for the capture of up to fifty percent of the incremental increase in Economic Activity Taxes (sales tax, franchise taxes, utility taxes) and up to one hundred percent of the incremental increase in property taxes on real property in a designated redevelopment project area, for a period of up to twenty-three years, in order to fund improvements.

Transportation Development Districts (TDD)

Transportation Development Districts are geographic areas that may be designated to levy an additional sales or property tax assessment to pay for transportation related infrastructure improvements.

Special Grants from Federal or State Programs

Grants may be received from the federal, state, and county governments. Grants are available for storm water, roads, sewers, trails, parks and public safety equipment.

Federal Community Development Block Grant (CDBG)

The Community Development Block Grant Program (CDBG) offers grants to Missouri Communities to improve local facilities, address health and safety concerns, and develop a greater capacity for growth. Funds are available for Water, Waste Water, Storm Water, and Transportation.

Neighborhood Improvement District/Community Improvement District (NID/CID)

A Neighborhood Improvement District (NID) or Community Improvement District (CID) may be created in an area desiring certain public-use improvements that are paid for by special tax assessments to property owners in the area in which the improvements are made. Projects that can be financed through a NID/CID must be for facilities used by the public, and must confer a benefit on property within the NID/CID.

Transportation Excise Tax

Excise Tax is to be paid for a development that generates new traffic in the City in the form of a license tax on building contractors for the purpose of raising revenue, the proceeds of which shall be used for streets and related improvements throughout the City.

PROJECTED 5-YEAR FUNDING SCHEDULE

	Prior	2022	2023	2024	2025	2026	Beyond	Total
Parks & Rec Fund		\$293,400	\$22,100	\$37,700			\$80,000	\$433,200
General Fund		\$80,400	\$101,700	\$83,000	\$101,800			\$366,900
Cap Improvements Fund	\$123,302	\$45,200	\$110,200	\$65,160	\$65,200	\$95,200	\$50,000	\$554,262
Transportation Fund	\$34,600	\$530,830	\$574,350	\$569,660	\$686,200	\$738,250	\$320,000	\$3,453,890
Water/Sewer Fund	\$67,710	\$333,000	\$38,800	\$438,340	\$257,200	\$216,000	\$50,000	\$1,401,050
Bonds	\$67,492							\$67,492
Grants		\$140,000					\$1,700,000	\$1,840,000
Unidentified/Unfunded		\$90,000	\$339,240	\$1,339,000	\$1,005,000	\$4,948,000	\$2,841,374	\$10,562,614
Potential TIF/TDD/NID/Other								\$0
M oDOT								\$0
Total	\$293,104	\$1,512,830	\$1,186,390	\$2,532,860	\$2,115,400	\$5,997,450	\$5,041,374	\$18,679,408

CAPITAL IMPROVEMENT FUNDING

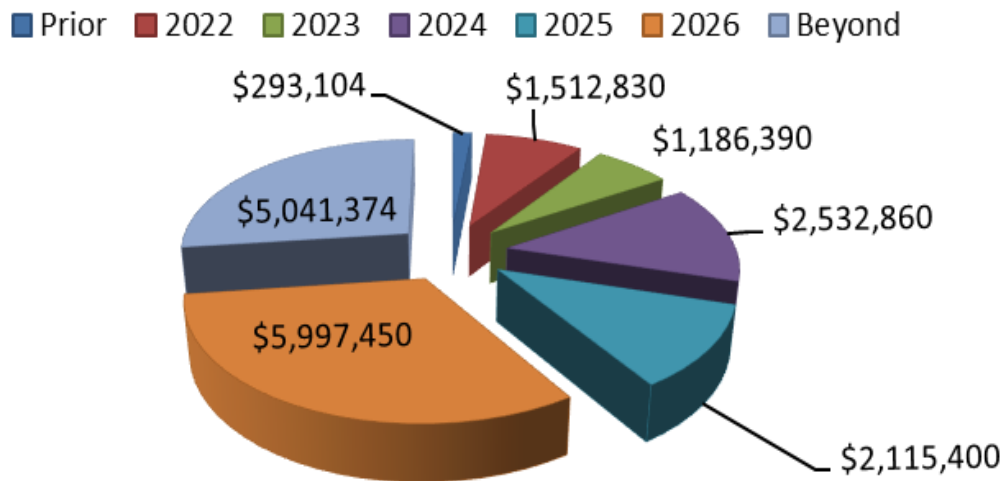
Where Does the Money Go?

The 2022-2026 CIP reflects the City's anticipated projects and major purchases. Funding and budgeting for this program assumes an increase in assessed valuation in each of the five years. Certain projects also anticipate the possibility of grants. The program must be continually monitored to determine if revenues and expenditures meet or exceed expectations. If revenues do not occur at expected levels, projects will be postponed or cut back.

PROJECTED FIVE-YEAR COST SCHEDULE

	Project	Prior	2022	2023	2024	2025	2026	Beyond	Total
PR-5D	Park Trail Master Plan-Blue Branch South							\$328,440	\$328,440
PR-5E	Park Trail Master Plan-Blue Branch Center							\$198,750	\$198,750
PR-5G	Park Trail Master Plan-Blue Branch West							\$332,911	\$332,911
PR-7A	Park Trail Master Plan-Ryan Road		\$90,000						\$90,000
PR-7C	Park Trail Master Plan-Cross Creek							\$71,500	\$71,500
PR-7D	Park Trail Master Plan-Sni-A-Bar Center							\$110,603	\$110,603
PR-7E	Park Trail Master Plan-Sni-A-Bar West							\$174,006	\$174,006
PR-7F	Park Trail Master Plan-Sni-A-Bar East							\$191,324	\$191,324
PR-7G	Park Trail Master Plan-Buckner Tarsney South			\$339,240					\$339,240
PR-9	Park Trail Master Plan-Eagles Parkway							\$365,122	\$365,122
PR-10A	Park Trail Master Plan-Buckner Tarsney North							\$456,870	\$456,870
PR-10B	Park Trail Master Plan-Duncan Road							\$471,000	\$471,000
PR-11	Monkey Mountain Parking Lot							\$140,848	\$140,848
PR-12	Armstrong Park Playground Equipment		\$400,000						\$400,000
PR-13	Armstrong Park Loop Trail Resurfacing		\$10,000						\$10,000
PW-3	Downtown Phase IIB Street Improvements	\$190,794		\$65,000	\$1,461,800				\$1,717,594
PW-4B	Downtown Phase IV Street Improvements	\$34,600			\$44,960	\$755,000			\$834,560
PW-6	James Rollo Sanitary Sewer Upgrade	\$67,710					\$748,000		\$815,710
PW-23	Buckner Tarsney Water Line Extension		\$317,000						\$317,000
PW-24	Water Tower Upgrade					\$400,000	\$4,200,000		\$4,600,000
PW-27	2022 Pavement Maintenance Program		\$526,830						\$526,830
PW-28	2023 Pavement Maintenance Program			\$564,650					\$564,650
PW-30	2024 Pavement Maintenance Program				\$505,700				\$505,700
PW-31	2025 Pavement Maintenance Program					\$534,400			\$534,400
PW-33	2026 Pavement Maintenance Program						\$524,250		\$524,250
PW-34	SW Eagles Parkway					\$20,000	\$210,000	\$2,200,000	\$2,430,000
VR-CD	Vehicle Replacement Program CD			\$29,500		\$26,000			\$55,500
VR-PD	Vehicle Replacement Program PD		\$70,400	\$72,200	\$83,000	\$75,800			\$301,400
VR-PR	Vehicle/ Equipment Replacement Parks		\$33,400	\$22,100	\$37,700				\$93,200
VR-PW	Vehicle/Equipment Replacement Public Works		\$20,000	\$48,500	\$354,500	\$259,000	\$270,000		\$952,000
PD-1	Police Duty Firearm Replacement		\$3,400	\$3,400	\$3,400	\$3,400	\$3,400		\$17,000
PD-2	Police Radio Replacement		\$41,800	\$41,800	\$41,800	\$41,800	\$41,800		\$209,000
	Total	\$293,104	\$1,512,830	\$1,186,390	\$2,532,860	\$2,115,400	\$5,997,450	\$5,041,374	\$18,679,408

Projected Funding Per Year



As Capital Improvement Projects are completed, operation and maintenance of these facilities must be absorbed in the operating budget, which provides ongoing services to citizens. These operating costs, which may include additional staff, are adjusted annually to accommodate growth and inflation in maintaining or improving service levels. It is the City of Grain Valley's philosophy that new projects should not be constructed if operating reviews are unavailable to cover the operating costs. These must be funded with recurring (ongoing) revenues. As a result, the availability of recurring revenues must be considered prior to scheduling the various projects in the program.

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CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-5D

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail from the Cross Creek trail near the proposed parking area through the Mitigation area and the Grain Valley Campus site to Buckner-Tarsney Road. The project consists of approximately 3,790 feet of 10 foot wide asphalt trail and will require easements and creek crossings.



JUSTIFICATION:

This project recognizes the important role that bicycling and walking play in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation. Alternative transportation modes help address air quality issues, promote healthy living, provide access to parks, schools and businesses, and can be used to protect habitat along stream corridors.

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$328,440	\$328,440
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$328,440	\$328,440
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$328,440	\$328,440
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$328,440	\$328,440



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-5E

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail from SW Eagles Parkway to Sni-A-Bar Boulevard running parallel to Blue Branch Creek. The project includes approximately 1,840 feet of 10 foot wide asphalt trail and a crossing of Eagles Parkway.

JUSTIFICATION:

This project recognizes the important role that bicycling and walking play in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation.

Alternative transportation modes help address air quality issues, promote healthy living, provide access to parks, schools and businesses, and can be used to protect habitat along stream corridors.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$198,750	\$198,750
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$198,750	\$198,750
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$198,750	\$198,750
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$198,750	\$198,750



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-5G

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail from Sni-A-Bar Boulevard west to SW Eagles Parkway running parallel and on the south side of Blue Branch Creek. The project consists of approximately 3,400 feet of 10 foot wide asphalt trail.

JUSTIFICATION:

This project recognizes the important role that bicycling and walking play in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation.

Alternative transportation modes help address air quality issues, promote healthy living, provide access to parks, schools and businesses, and can be used to protect habitat along stream corridors.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$306,000	\$306,000
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$26,911	\$26,911
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$332,911	\$332,911
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$332,911	\$332,911
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$332,911	\$332,911



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-7A

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

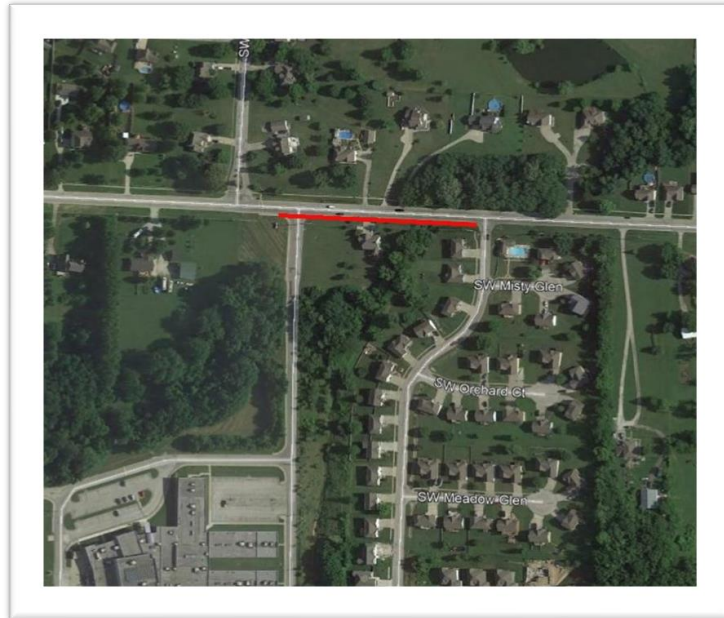
DESCRIPTION:

This project includes the installation of a crosswalk over the South Middle School entrance in addition to sidewalk on the south side of Ryan Road to provide a pedestrian connection from the existing sidewalk at the drive to the South Middle School and Stony Point Elementary school campus to the Cross Creek entrance to Ryan Meadows. The project consists of approximately 540 feet of trail and a creek crossing.

JUSTIFICATION:

This project recognizes the important role that bicycling and walking play in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation.

Alternative transportation modes help address air quality issues, promote healthy living, provides access to parks, schools and businesses, and can be used to protect habitat along stream corridors.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$90,000	\$0	\$0	\$0	\$0	\$0	\$90,000
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0		\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$90,000	\$0	\$0	\$0	\$0	\$0	\$90,000
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$90,000	\$0	\$0	\$0	\$0	\$0	\$90,000
Total	\$0	\$90,000	\$0	\$0	\$0	\$0	\$0	\$90,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-7C

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes approximately 1,020 feet of a 5-foot wide concrete sidewalk from the traffic circle at Sni-A-Bar Boulevard north running parallel to Cross Creek Drive to existing street dead end. This will connect with the existing trail that connects to Cross Creek Park.

JUSTIFICATION:

This project recognizes the important role that bicycling and walking play in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation.

Alternative transportation modes help address air quality issues, promote healthy living, provides access to parks, schools and businesses, and can be used to protect habitat along stream corridors.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$65,000	\$65,000
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$6,500	\$6,500
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$71,500	\$71,500
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$71,500	\$71,500
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$71,500	\$71,500



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-7D

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail running parallel to Sni-A-Bar Boulevard from Farmington Meadows Lake to the traffic circle at Cross Creek Drive. This project includes approximately 1,400 feet of 10 foot wide asphalt trail.

JUSTIFICATION:

This project recognizes the important role that bicycling and walking play in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation.

Alternative transportation modes help address air quality issues, promote healthy living, provides access to parks, schools and businesses, and can be used to protect habitat along stream corridors.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$99,474	\$99,474
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$11,129	\$11,129
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$110,603	\$110,603
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$110,603	\$110,603
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$110,603	\$110,603



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-7E

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail running parallel to Sni-A-Bar Boulevard from Farmington Meadows Lake to SW Eagles Parkway. The project includes approximately 3,155 feet of 10 foot wide asphalt trail.



JUSTIFICATION:

This project recognizes the important role that bicycling and walking play in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation.

Alternative transportation modes help address air quality issues, promote healthy living, provides access to parks, schools and businesses, and can be used to protect habitat along stream corridors.

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$160,163	\$160,163
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$13,843	\$13,843
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$174,006	\$174,006
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$174,006	\$174,006
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$174,006	\$174,006



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-7F

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail running parallel to Sni-A-Bar Boulevard from the traffic circle at Cross Creek Drive east to Buckner-Tarsney Road. The project includes approximately 3,375 feet of 10 foot wide asphalt trail connecting to project 7G.

JUSTIFICATION:

This project recognizes the important role that bicycling and walking play in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation.

Alternative transportation modes help address air quality issues, promote healthy living, provide access to parks, schools and businesses, and can be used to protect habitat along stream corridors.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$175,188	\$175,188
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$16,136	\$16,136
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$191,324	\$191,324
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$191,324	\$191,324
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$191,324	\$191,324



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-7G

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail running parallel to Buckner-Tarsney Road from Sni-A-Bar Boulevard north to SW Eagles Parkway. The project includes approximately 2,750 feet of 10 foot wide asphalt trail and a crossing of Blue Branch Creek connecting to the Blue Branch Trail.

JUSTIFICATION:

This project recognizes the important role that bicycling and walking play in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation.

Alternative transportation modes help address air quality issues, promote healthy living, provide access to parks, schools and businesses, and can be used to protect habitat along stream corridors.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$339,240	\$0	\$0	\$0	\$0	\$339,240
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$339,240	\$0	\$0	\$0	\$0	\$339,240
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$339,240	\$0	\$0	\$0	\$0	\$339,240
Total	\$0	\$0	\$339,240	\$0	\$0	\$0	\$0	\$339,240



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-9

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail running parallel to SW Eagles Parkway from Sni-A-Bar Boulevard east to the High School entrance. The project includes approximately 2,725 feet of 10 foot wide asphalt trail.

JUSTIFICATION:

This project recognizes the important role that bicycling and walking play in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation.

Alternative transportation modes help address air quality issues, promote healthy living, provide access to parks, schools and businesses, and can be used to protect habitat along stream corridors.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$338,481	\$338,481
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$26,641	\$26,641
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$365,122	\$365,122
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$365,122	\$365,122
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$365,122	\$365,122



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-10A

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail providing connectivity between the north and south sides of I-70. This trail can be combined with widening and improvement of Buckner-Tarsney Road from Woodbury to Duncan Road. The project includes approximately 4,850 feet of 10' wide asphalt trail along the west side of Buckner-Tarsney Road.

JUSTIFICATION:

This project recognizes the important role that bicycling and walking in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation. Alternative transportation modes help address air quality issues, promote healthy living, provide access to parks, schools and businesses.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$456,870	\$456,870
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$456,870	\$456,870
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$456,870	\$456,870
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$456,870	\$456,870



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Duncan Road

PR-10B

PROJECT TYPE: Trail Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail providing connectivity between Buckner-Tarsney Road and the Dillingham Trail, including connections to Grayleigh Park, Rosewood Hills and Woodbury subdivision. In addition it will connect to Prairie Branch Elementary School. The project includes approximately 5,290 feet of 10' wide asphalt trail along Duncan Road.



JUSTIFICATION:

This project recognizes the important role that bicycling and walking in the City's total transportation system. As our local transportation needs continue to grow, walking and bicycling is a healthy, environmentally friendly mode of transportation.

Alternative transportation modes help address air quality issues, promote healthy living, provide access to parks, schools and

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$471,000	\$471,000
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$471,000	\$471,000
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$471,000	\$471,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$471,000	\$471,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Monkey Mountain Park, Parking Lot Extension PR-11

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an additional asphalt parking area attached to the existing asphalt parking lot at Monkey Mountain Park.

JUSTIFICATION:

When all four baseball fields are in use, the existing asphalt parking lot exceeds maximum occupancy. Currently we have an additional parking area adjacent/attached to the existing parking lot that is loose-fill (gravel & millings). This project would provide for an asphalt surface over the existing loose-fill material.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$135,853	\$135,853
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$4,995	\$4,995
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$140,848	\$140,848
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$140,848	\$140,848
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$140,848	\$140,848



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Armstrong Park, Replacement of Playground Equipment PR-12

PROJECT TYPE: Park Improvements

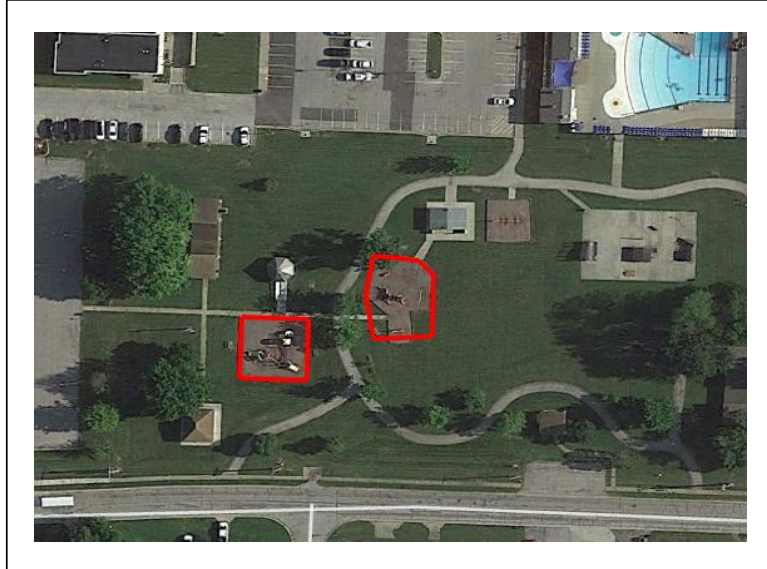
DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes the replacement of the 2-5 year-old and 5-12 year-old playgrounds in addition to the swings. The existing equipment is reaching its useful life. The current equipment also lacks ADA accessibility. This also includes the existing playground surfacing. The new play structure(s) will be all-inclusive and have play components and surfacing that maximizes accessibility for those individuals with disabilities.

JUSTIFICATION:

The existing play equipment is reaching its useful life. The 5-12 year-old playground was installed in the late '90's and the 2-5 year-old playground was installed in 2003. The existing play equipment and surfacing material does not provide the best accessibility for individuals with disabilities. With the growth of this community over the last 2 decades, our current play structures are grossly undersized for the park and the community.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$350,000	\$0	\$0	\$0	\$0	\$0	\$350,000
Landscaping	\$0	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$35,000	\$0	\$0	\$0	\$0	\$0	\$35,000
Total	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$260,000	\$0	\$0	\$0	\$0	\$0	\$260,000
Grants	\$0	\$140,000	\$0	\$0	\$0	\$0	\$0	\$140,000
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Armstrong Park, Trail Loop Resurfacing

PR-13

PROJECT TYPE: Park Improvements

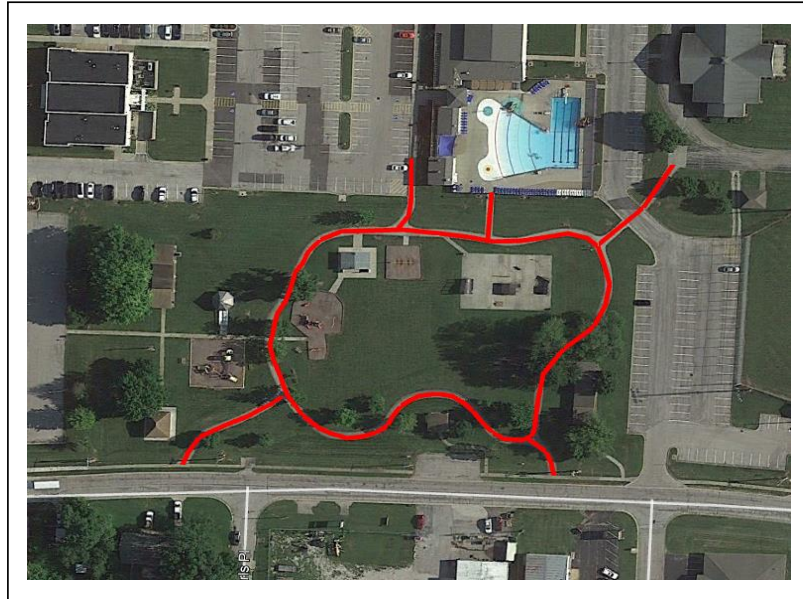
DEPARTMENT: Parks and Recreation

DESCRIPTION:

Resurfacing of the asphalt trail loop. The 4-foot wide concrete sidewalk and the main entrance will be replaced with asphalt. The asphalt trail will be 8-feet wide and approximately 1,550 feet in length.

JUSTIFICATION:

The existing trail loop is cracking/crumbling in numerous places. There are portions where the trail has sunk. Several sections remain under water after a rain event. Replacement will also include new access points to the new playground structure that is also scheduled for 2022.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Design/Construct	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
Landscaping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
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	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: DOWNTOWN PHASE II B STREET IMPROVEMENTS

PW-3

PROJECT TYPE: Street Improvements

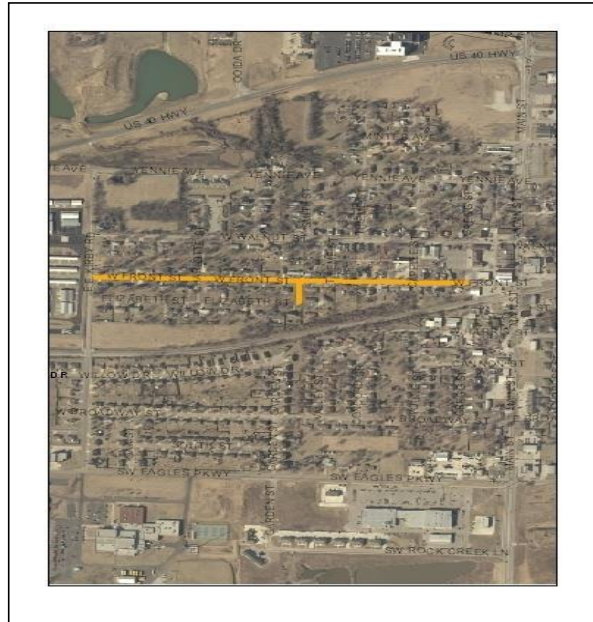
DEPARTMENT: Community Development

DESCRIPTION:

This project includes the downtown road reconstruction of Front Street. The road improvements will include curb and gutter improvements as well as waterline improvements, pedestrian walkways, and pavement reconstruction. Status: This set of project plans is currently completed and included in the Downtown Improvements Plan (Engineers Report).

JUSTIFICATION:

To increase safety for commuters and connectivity for pedestrians. Also, the improvements will help alleviate storm water problems in this area and provide much needed water line rehabilitation.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Land	\$123,302	\$0	\$40,000	\$0	\$0	\$0	\$0	\$163,302
Design	\$67,492	\$0	\$25,000	\$0	\$0	\$0	\$0	\$92,492
Construction	\$0	\$0	\$0	\$1,080,000	\$0	\$0	\$0	\$1,080,000
Water/Sewer	\$0	\$0	\$0	\$122,800	\$0	\$0	\$0	\$122,800
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$259,000	\$0	\$0	\$0	\$259,000
Total	\$190,794	\$0	\$65,000	\$1,461,800	\$0	\$0	\$0	\$1,717,594
Op Expense	\$0	\$0	\$0	\$0	\$0			\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Projected Five-Year Funding Schedule

Source	Prior	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements Fund	\$123,302	\$0	\$65,000	\$0	\$0	\$0	\$0	\$188,302
Transportation Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water/Sewer Fund	\$0	\$0	\$0	\$122,800	\$0	\$0	\$0	\$122,800
Bonds	\$67,492	\$0	\$0	\$0	\$0	\$0	\$0	\$67,492
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified/Unfunded	\$0	\$0	\$0	\$1,339,000	\$0	\$0	\$0	\$1,339,000
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$190,794	\$0	\$65,000	\$1,461,800	\$0	\$0	\$0	\$1,717,594



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: DOWNTOWN PHASE IV STREET IMPROVEMENTS

PW-4B

PROJECT TYPE: Streets Improvements

DEPARTMENT: Community Development

DESCRIPTION:

This project involves the construction of the James Rollo extension. This will include roadway, curb, and gutter. Status: This project is included in the Downtown Improvement Plan (Engineers Report). Project plans are approximately 50% complete.

JUSTIFICATION:

This project will provide the much needed connection of James Rollo Dr. and San Kar Dr.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Land	\$0	\$0	\$0	\$19,960	\$0	\$0	\$0	\$19,960
Design	\$34,600	\$0	\$0	\$25,000	\$0	\$0	\$0	\$59,600
Construction	\$0	\$0	\$0	\$0	\$655,000	\$0	\$0	\$655,000
Water/Sewer	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$50,000
Contingency	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$50,000
Total	\$34,600	\$0	\$0	\$44,960	\$755,000	\$0	\$0	\$834,560
Op Expense	\$0	\$0	\$0	\$0	\$0			\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Projected Five-Year Funding Schedule

Source	Prior	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$19,960	\$0	\$0	\$0	\$19,960
Transportation Fund	\$34,600	\$0	\$0	\$20,000	\$100,000	\$0	\$0	\$154,600
Water/Sewer Fund	\$0	\$0	\$0	\$5,000	\$50,000	\$0	\$0	\$55,000
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified/Unfunded	\$0	\$0	\$0	\$0	\$605,000	\$0	\$0	\$605,000
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$34,600	\$0	\$0	\$44,960	\$755,000	\$0	\$0	\$834,560



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: JAMES ROLLO SANITARY SEWER UPGRADE PW-6

PROJECT TYPE: Sewer Improvements

DEPARTMENT: Community Development

DESCRIPTION:

Two sewer main replacements and modifications between Main Street and James Rollo Court per Trekk Design recommendations. Status: Project design has been completed.



JUSTIFICATION:

Increase capacity and decrease inflow and infiltration due to deterioration and damage in these mains.

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$67,710	\$0	\$0	\$0	\$0	\$0	\$0	\$67,710
Construction	\$0	\$0	\$0	\$0	\$0	\$680,000	\$0	\$680,000
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$68,000	\$0	\$68,000
Total	\$67,710	\$0	\$0	\$0	\$0	\$748,000	\$0	\$815,710
Op Expense	\$0	\$0	\$0	\$0	\$0			\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Projected Five-Year Funding Schedule

Source	Prior	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water/Sewer Fund	\$67,710	\$0	\$0	\$0	\$0	\$0	\$0	\$67,710
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified/Unfunded	\$0	\$0	\$0	\$0	\$0	\$748,000		\$748,000
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$67,710	\$0	\$0	\$0	\$0	\$748,000	\$0	\$815,710



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Buckner Tarsney Water Line Extension

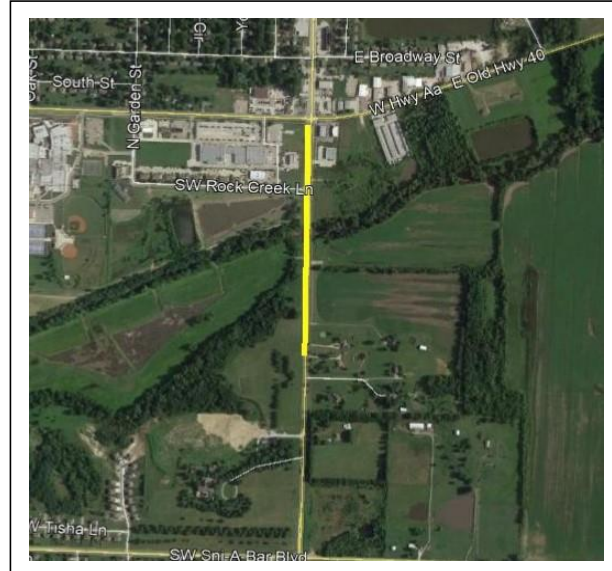
PW-23

PROJECT TYPE: Water Improvements

DEPARTMENT: Community Development

DESCRIPTION:

This project involves approximately 2,440 L.F. of new 10 inch water line and a pressure reducing valve (PRV).



JUSTIFICATION:

This project will provide a critical loop south of the City to provide better fire protection, constant pressures and capacity for future development south along Buckner Tarsney including the proposed Grain Valley Community Campus.

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$42,000	\$0	\$0		\$0	\$0	\$42,000
Construction	\$0	\$275,000	\$0	\$0		\$0	\$0	\$275,000
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0		\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$317,000	\$0	\$0	\$0	\$0	\$0	\$317,000
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	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water/Sewer Fund	\$0	\$317,000	\$0	\$0		\$0	\$0	\$317,000
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified/Unfunded	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$317,000	\$0	\$0	\$0	\$0	\$0	\$317,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Water Tower Upgrade

PW-24

PROJECT TYPE: Water Improvements

DEPARTMENT: Community Development

DESCRIPTION:

This project involves the addition of a new 1.25 Million Gallon Elevated Storage Tank next to the existing 0.5 Million Gallon storage tank including the foundation, valve vaults, controls, and yard piping.



JUSTIFICATION:

The current tank and pumping facility capacity and fire flow storage are adequate. However with the expected population growth rate along with potential for industrial development north of I-70, fire flows and fire storage will fall below the MoDNR required peak demand over the next 5 years. This storage tank and pumping facility is expected to cover demand over the next 20 years.

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$400,000		\$0	\$400,000
Construction	\$0	\$0	\$0	\$0	\$0	\$4,000,000	\$0	\$4,000,000
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0		\$0	\$0	\$0	\$200,000	\$0	\$200,000
Total	\$0	\$0	\$0	\$0	\$400,000	\$4,200,000	\$0	\$4,600,000
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	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water/Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified/Unfunded	\$0	\$0	\$0	\$0	\$400,000	\$4,200,000	\$0	\$4,600,000
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$400,000	\$4,200,000	\$0	\$4,600,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: 2022 Pavement Maintenance Program

PW-27

PROJECT TYPE: Street Improvements

DEPARTMENT: Community Development

DESCRIPTION:

This project involves approximately 15,750 L.F. of edge mill and asphalt overlay of the road surface. The project covers Duncan Road, SW Creekridge, Woodland Drive, SW Ridgeview Drive, SW Country Hill Drive, Lee Ann Drive, SW Highland Ave., Nicholas Drive, Nolan Drive and Squire Court. The cost shown is for roadway repairs. The project also includes replacing ADA ramps as needed to bring them up to current standards and provide striping for Duncan Road.

JUSTIFICATION:

This project will remove and replace the failing asphalt surface, and patches created by age and weathering. This will provide an improved ride and increase the longevity of the roadway base and surface.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$526,830	\$0	\$0	\$0	\$0	\$0	\$526,830
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$526,830	\$0	\$0	\$0	\$0	\$0	\$526,830
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	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Fund	\$0	\$526,830	\$0	\$0	\$0	\$0	\$0	\$526,830
Water/Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified/Unfunded	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$526,830	\$0	\$0	\$0	\$0	\$0	\$526,830



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: 2023 Street Maintenance Program

PW-28

PROJECT TYPE: Street Improvements

DEPARTMENT: Community Development

DESCRIPTION:

This project involves approximately 14,900 L.F. of edge mill and asphalt overlay of the road surface. The project covers Ryan Road, August Lane, Tisha Lane, Gateway Court and Sni-A-Bar Blvd. from Cross Creek to Gateway Court. The cost shown is for roadway repairs, ADA ramp upgrades and striping for Sni-A-Bar Blvd. and Ryan Road.



JUSTIFICATION:

This project will remove and replace the failing asphalt surface, and potholes, redo ADA ramps that don't meet current standards and provide striping to the Collector Streets, Ryan Road and Sni-A-Bar Blvd. This will provide an improved ride and increase the longevity of the roadway base and surface.

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$564,650	\$0	\$0	\$0	\$0	\$564,650
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0		\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$564,650	\$0	\$0	\$0	\$0	\$564,650
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	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Fund	\$0	\$0	\$564,650	\$0	\$0	\$0	\$0	\$564,650
Water/Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified/Unfunded	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$564,650	\$0	\$0	\$0	\$0	\$564,650





CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: 2025 Pavement Maintenance Program

PW-31

PROJECT TYPE: Street Improvements

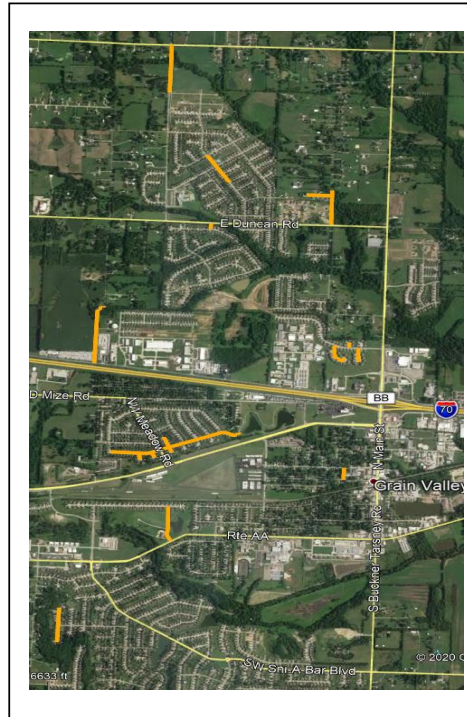
DEPARTMENT: Community Development

DESCRIPTION:

This project involves approximately 13,850 L.F. of edge mill and asphalt overlay of the road surface. The project covers NW Long Drive, Silverstone Court, Silverstone Circle, Magnolia Circle, Azalea Circle, Dillingham Road from Crestwood to Pink Hill Road, Tyler Road north of Jefferson Road, Foothill Drive, Woodbury Lane, Woodbury Place, Phelps Court, Phelps Drive, Rosewood Drive from Birch Court to Sycamore Drive, Rust Road north of Duncan, Rust Court and Royer Lane. The cost shown is for roadway repairs and ADA ramp upgrades.

JUSTIFICATION:

This project will remove and replace the failing asphalt surface, ADA ramps that don't meet current standards, striping for Collector streets and curb repair. This will provide an improved ride and increase the longevity to the roadway base and surface.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$534,400	\$0	\$0	\$534,400
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0		\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$534,400	\$0	\$0	\$534,400
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	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Fund	\$0	\$0	\$0	\$0	\$534,400	\$0	\$0	\$534,400
Water/Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified/Unfund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$534,400	\$0	\$0	\$534,400



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: 2026 Pavement Maintenance Program

PW-33

PROJECT TYPE: Street Improvements

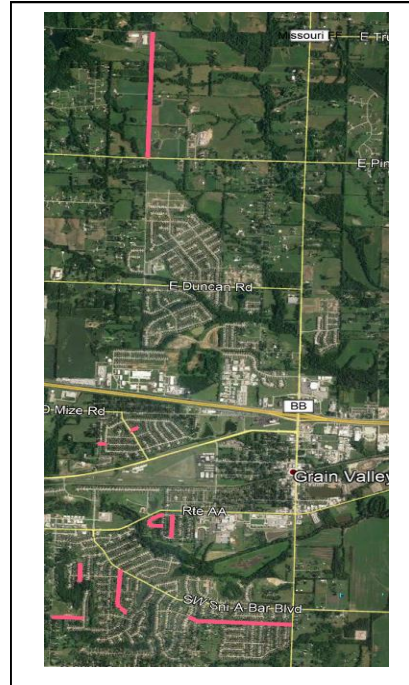
DEPARTMENT: Community Development

DESCRIPTION:

This project involves approximately 15,050 L.F. of edge mill and asphalt overlay of the road surface. The project covers Dillingham Road north of Pink Hill Road to Argo Road, Addie Lane, Rock Creek Lane, Cross Creek Lane, Sawgrass Drive at Barr Road, Meadow Court, Nelson Drive, Oakwood Lane, and Whitestone Drive. The cost shown is for roadway repairs and ADA ramp upgrades.

JUSTIFICATION:

This project will remove and replace the failing asphalt surface, ADA ramps that don't meet current standards, striping for Collector streets and curb repair. This will provide an improved ride and increase the longevity to the roadway base and surface.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$524,250	\$0	\$524,250
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$524,250	\$0	\$524,250
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	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Fund	\$0	\$0	\$0	\$0	\$0	\$524,250	\$0	\$524,250
Water/Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified/Unfunded	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$524,250	\$0	\$524,250



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: SW Eagles Parkway Phase A

PW-34

PROJECT TYPE: Street Improvements

DEPARTMENT: Community Development

DESCRIPTION:

This project is the reconstruction and addition of turn lanes, curb & gutter, under ground drainage, a bike path and sidewalks from Main Street to the schools west of Kirby Road. Status: Additional curb and gutter and sidewalk have recently been installed by a developer. Initial grant application was not approved. Next round of grant applications will be available for application in 2022.



JUSTIFICATION:

Currently, the road has discontinuous curb & gutter and sidewalk on the south side only. Grain Valley High and an Elementary School are located adjacent to the road; with the growth in the school district and planned high school expansion, turn lanes are warranted and additional sidewalks needed. Plans also include converting the south side sidewalk to a bike path.

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$20,000	\$0	\$0	\$20,000
Design	\$0	\$0	\$0	\$0	\$0	\$210,000	\$0	\$210,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$2,200,000	\$2,200,000
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$20,000	\$210,000	\$2,200,000	\$2,430,000
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	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$20,000	\$50,000	\$50,000	\$120,000
Transportation Fund	\$0	\$0	\$0	\$0	\$0	\$160,000	\$320,000	\$480,000
Water/Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000
Parks & Rec Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$80,000	\$80,000
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$1,700,000	\$1,700,000
Unidentified/Unfunded	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$20,000	\$210,000	\$2,200,000	\$2,430,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Vehicle Replacement Program

VR-CD

PROJECT TYPE: Fleet Replacement

DEPARTMENT: Community Development

DESCRIPTION:

According to the Vehicle and Equipment Replacement Program (VERP), the following vehicles are planned to be replaced during this CIP cycle: 1) In 2023, replace 2012 Chevrolet Colorado (ID # 10480); 2) In 2025, replace 2012 Ford Escape (ID# 47184).



2012 Chevrolet Colorado

JUSTIFICATION:

The City has developed a tailored vehicle and equipment replacement and lifecycle management strategy that includes type of vehicles and equipment, amount and type of usage and vehicle/equipment applications to determine the optimal point for replacement. The VERP draws from Operations and Maintenance experience and records to determine replacement targets by miles, hours or age.

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Truck/SUV			\$29,500		\$26,000			\$55,500
Total		\$0	\$29,500	\$0	\$26,000	\$0		\$55,500
Op Expense	\$0	\$0	\$0	\$0	\$0			\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Projected Five-Year Funding Schedule

Source	Prior	2022	2023	2024	2025	2026	Beyond	Total
General Fund			\$29,500		\$26,000			\$55,500
Transportation Fund								
Water/Sewer Fund								
Parks and Rec Fund								
Grants								
Unidentified/Unfunded								
TIF/TDD								
MoDOT								
Total	\$0	\$0	\$29,500	\$0	\$26,000	\$0	\$0	\$55,500



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Vehicle/Equipment Replacement Program **VR-PD**

PROJECT TYPE: Fleet Replacement

DEPARTMENT: Police

DESCRIPTION:

According to the Vehicle and Equipment Replacement Program (VERP), the following vehicles/equipment are planned to be replaced during this CIP cycle. In 2022, replace ID 4769 and ID 6105, both Ford PI Utility vehicles. In 2023, replace ID 1005 and ID 1006, both Ford PI Utility Vehicles. In 2024, replace ID 0358, Ford PI Sedan and ID 9989, Chevrolet Tahoe Police Pursuit Vehicle. In 2025, replace ID 2359 and ID 4768, both Ford PI Utility Vehicles.

JUSTIFICATION:

The City has developed a tailored vehicle and equipment replacement and lifecycle management strategy that includes type of vehicles and equipment, amount and type of usage and vehicle/equipment applications to determine the optimal point for replacement. The VERP draws from Operations and Maintenance experience and records to determine replacement targets by miles, hours or age.



2014 Ford Police Utility

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Police Utility Vehicle	\$0	\$70,400	\$72,200	\$83,000	\$75,800			\$301,400
Light/Medium Duty Truck								
Heavy Duty Trucks								
Trailers								
Mowers								
Total	\$0	\$70,400	\$72,200	\$83,000	\$75,800	\$0		\$301,400
Op Expense	\$0	\$0	\$0	\$0	\$0			\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Projected Five-Year Funding Schedule

Source	Prior	2022	2023	2024	2025	2026	Beyond	Total
General Fund	\$0	\$70,400	\$72,200	\$83,000	\$75,800			\$301,400
Transportation Fund								
Water/Sewer Fund								
Parks and Rec Fund								
Grants								
Unidentified/Unfunded								
TIF/TDD								
MoDOT								
Total	\$0	\$70,400	\$72,200	\$83,000	\$75,800	\$0	\$0	\$301,400



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Vehicle/Equipment Replacement Program

PROJECT TYPE: Fleet Replacement

DEPARTMENT: Parks and Recreation

DESCRIPTION:

According to the Vehicle and Equipment Replacement Program (VERP), the following vehicles/equipment are planned to be replaced during this CIP cycle: 1) In 2022, replace 2007 flatbed trailer (ID# PR5) and 2007 Mower (ID# 0828). In 2023, replace 2016 Mower (ID# 20148). In 2024, replace 2012 Ford F-250 pick-up (ID#12433).



2007 Mower

JUSTIFICATION:

The City has developed a tailored vehicle and equipment replacement and lifecycle management strategy that includes type of vehicles and equipment, amount and type of usage and vehicle/equipment applications to determine the optimal point for replacement. The VERP draws from Operations and Maintenance experience and records to determine replacement targets by miles, hours or age.

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Car/SUV								\$0
Light/Medium Duty Truck								
Heavy Duty Trucks				\$37,700				\$37,700
Trailers		\$7,700						\$7,700
Mowers		\$25,700	\$22,100					\$47,800
Total		\$33,400	\$22,100	\$37,700	\$0	\$0		\$93,200
Op Expense	\$0	\$0	\$0	\$0	\$0			\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Projected Five-Year Funding Schedule

Source	Prior	2022	2023	2024	2025	2026	Beyond	Total
General Fund								
Transportation Fund								
Water/Sewer Fund								
Parks and Rec Fund		\$33,400	\$22,100	\$37,700				\$93,200
Grants								
Unidentified/Unfunded								
TIF/TDD								
MoDOT								
Total	\$0	\$33,400	\$22,100	\$37,700	\$0	\$0	\$0	\$93,200



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Vehicle/Equipment Replacement Program **VR-PW**

PROJECT TYPE: Fleet Replacement

DEPARTMENT: Public Works

DESCRIPTION:

According to the Vehicle and Equipment Replacement Program (VERP), the following vehicles/equipment are planned to be replaced during this CIP cycle: In 2022, replace 2014 salt/sand spreader (ID# 29912S). In 2023, replace 2008 trailer (ID# 180) and 2015 Chevrolet Pick-up (ID# 40668). In 2024, replace 2009 trailer (ID# 182), 2014 Sewer Inspection Equipment (ID# 00363) and 2013 International 7400 dump truck (ID# 02995). In 2025, replace 2014 International 7400 Dump truck (ID# 73108) and 2015 Chevrolet pick-up (ID# 37049). In 2026, replace 2015 Chev Silverado 3500 (ID# 30273) and 2015 International 7400 (ID# 29912).

JUSTIFICATION:

The City has developed a tailored vehicle and equipment replacement and lifecycle management strategy that includes type of vehicles and equipment, amount and type of usage and vehicle/equipment applications to determine the optimal point for replacement. The VERP draws from Operations and Maintenance experience and records to determine replacement targets by miles, hours or age.



2013 International 7400

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Car/SUV								\$0
Light/Medium Duty Truck			\$31,600		\$34,000	\$36,000		\$101,600
Heavy Duty Trucks				\$216,000	\$225,000	\$234,000		\$675,000
Trailers			\$16,900	\$3,800				\$20,700
Equipment		\$20,000		\$134,700				\$154,700
								\$0
Total		\$20,000	\$48,500	\$354,500	\$259,000	\$270,000		\$952,000
Op Expense	\$0	\$0	\$0	\$0	\$0			\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Projected Five-Year Funding Schedule

Source	Prior	2022	2023	2024	2025	2026	Beyond	Total
General Fund								
Transportation Fund		\$4,000	\$9,700	\$43,960	\$51,800	\$54,000		\$163,460
Water Fund		\$8,000	\$19,400	\$87,920	\$103,600	\$108,000		\$326,920
Sewer Fund		\$8,000	\$19,400	\$222,620	\$103,600	\$108,000		\$461,620
Parks and Rec Fund								\$0
Grants								\$0
Unidentified/Unfunded								\$0
TIF/TDD								\$0
MoDOT								\$0
Total	\$0	\$20,000	\$48,500	\$354,500	\$259,000	\$270,000	\$0	\$952,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Police Duty Firearm Replacement **PD-1**

PROJECT TYPE:

DEPARTMENT: Police

DESCRIPTION:

This project is being undertaken to replace the department's current Glock Model 22/23 .40 caliber Gen 4 handguns with Glock Model 17/19 9mm Gen 5 handguns. These firearms are issued to all sworn members of the Police Department. In total thirty(30) Glock handguns would be purchase through this project.



JUSTIFICATION:

The departement's current issued firearms will have been in service fo releven years in 2022, in addition changing to the 9mm from .40 caliber is more cost effective as 9mm is a more readily avialable ammunition and is more reasonably priced than the .40 caliber. Also this change will move us to the latest generation of Glock pistols with enhanced features and which will be supported by the company for parts and repairs further into the future than our current models

Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Glock 17/19 Gen 5		\$3,400	\$3,400	\$3,400	\$3,400	\$3,400		\$17,000
Total	\$0	\$3,400	\$3,400	\$3,400	\$3,400	\$3,400	\$0	\$17,000
Op Expense	\$0	\$0	\$0	\$0	\$0			\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Projected Five-Year Funding Schedule

Source	Prior	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements Fund		\$3,400	\$3,400	\$3,400	\$3,400	\$3,400		\$17,000
Transportation Fund								
Water/Sewer Fund								
Bonds								
Grants								
Unidentified/Unfunded								
TIF/TDD								
MoDOT								
Total	\$0	\$3,400	\$3,400	\$3,400	\$3,400	\$3,400	\$0	\$17,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Police Radio Replacement

PD-2

PROJECT TYPE:

DEPARTMENT: Police

DESCRIPTION:

This project is being undertaken to replace the department's current Motorola APX 6000 Li portable radios and XTL 1500 mobile radios with the more capable APX 6000 portable radios and APX 6500 mobile radios. Portable radios are issued to all officers, supervisors, and command staff for communicating with each other, other agencies, and dispatch. Mobile radios are installed in each police vehicle, at the front desk and in the Sergeants office.

JUSTIFICATION:

In 2013 our current radios were purchased in order to have radios that would operate on the Jackson County Sheriff's Department's new 800 mhz system. The radios that were purchased (based on recommendations and system requirements at the time) were only capable of one type of encryption (ADP). Since the system has been operational the level of encryption required to communicate with all users has changed requiring a higher level of encryption (DES) to communicate with Jackson County Deputies and will continue to change as the requirements for interoperable communications include an even higher level of encryption (AES). The new radios will be equipped with both (AES/DES) and will meet the upcoming requirements for operating on the radio systems. This project will allow us to purchase thirty (30) portable radios and twenty (20) mobile radios.



Projected Five-Year Cost Schedule

Breakdown	Prior	2022	2023	2024	2025	2026	Beyond	Total
Motorola APX6000 Portable		\$24,000	\$24,000	\$24,000	\$24,000	\$24,000		\$120,000
Motorola APX6500 Mobile		\$17,800	\$17,800	\$17,800	\$17,800	\$17,800		\$89,000
Total	\$0	\$41,800	\$41,800	\$41,800	\$41,800	\$41,800	\$0	\$209,000
Op Expense	\$0	\$0	\$0	\$0	\$0			\$0
Cost Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Projected Five-Year Funding Schedule

Source	Prior	2022	2023	2024	2025	2026	Beyond	Total
Capital Improvements Fund		\$41,800	\$41,800	\$41,800	\$41,800	\$41,800		\$209,000
Transportation Fund								
Water/Sewer Fund								
Bonds								
Grants								
Unidentified/Unfunded								
TIF/TDD								
MoDOT								
Total	\$0	\$41,800	\$41,800	\$41,800	\$41,800	\$41,800	\$0	\$209,000