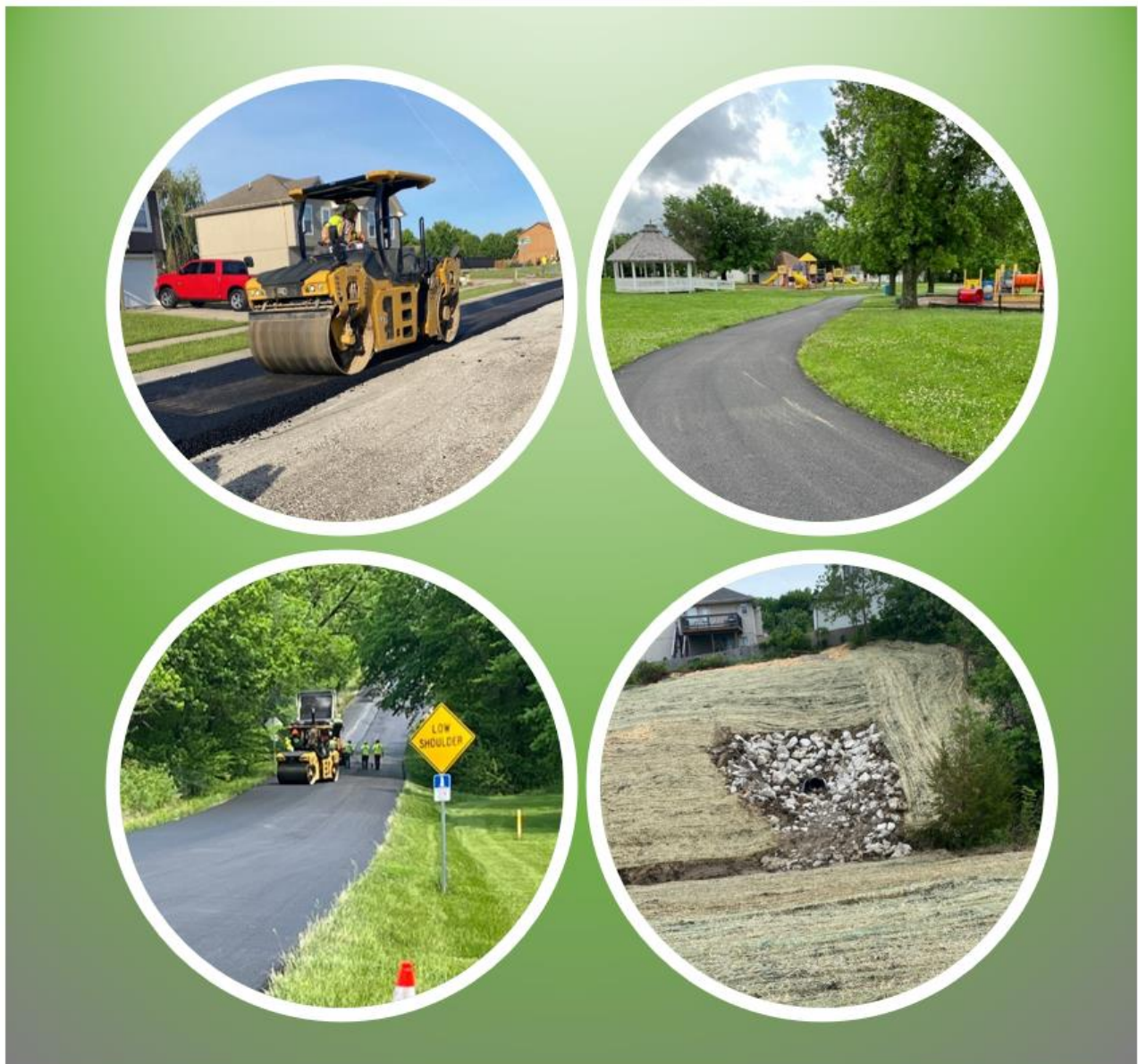




LIFE OUTSIDE THE LINES

2023-2027 Capital Improvements Plan



Approved By the Board of Alderman:

Resolution R22-51



The Honorable Mike Todd and Board of Aldermen:

I am pleased to submit the proposed 2023-2027 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:

- 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.
- Take advantage of Grant Funding Opportunities.

The City of Grain Valley 2023-2027 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 2023-2027 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
- Use of Federal Funding

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 June 8, 2022.

Respectfully submitted,

Ken Murphy
City Administrator

PROJECT	PROJECT NAME	TOTAL	Year	Funded/Unfunded
PR -5D	Park Trail Master Plan	\$ 362,000	Beyond	unfunded
PR-5E	Park Trail Master Plan	\$ 219,140	Beyond	unfunded
PR-5G	Park Trail Master Plan	\$ 370,755	Beyond	unfunded
PR-7A	Park Trail Master Plan	\$ 95,000	2023	funded
PR-7C	Park Trail Master Plan	\$ 75,300	Beyond	unfunded
PR-7D	Park Trail Master Plan	\$ 128,370	Beyond	unfunded
PR-7E	Park Trail Master Plan	\$ 289,212	Beyond	unfunded
PR-7F	Park Trail Master Plan	\$ 309,375	Beyond	unfunded
PR-7G	Park Trail Master Plan	\$ 346,142	2022/2023/2025	partially funded
PR-9	Park Trail Master Plan	\$ 586,630	2024/2026	unfunded
PR-10A	Park Trail Master Plan	\$ 322,350	Beyond	unfunded
PR-10B	Park Trail Master Plan	\$ 545,100	Beyond	unfunded
PR-11	Monkey Mountain Parking Lot	\$ 165,000	Beyond	unfunded
PW-3	Downtown Phase IIB Street Improvements	\$ 1,806,794	2023/2024	funded
PW-4A	Downtown Phase III Street Improvements	\$ 2,160,360	2026/2027/Beyond	unfunded
PW-4B	James Rollo Road Extension	\$ 964,570	2027/Beyond	unfunded
PW-6	James Rollo Sanitary Sewer Upgrade	\$ 1,017,710	2026/Beyond	funded
PW-24	Water Tower Upgrade	\$ 4,850,000	2023/2024	partially funded
PW-28	2023 Pavement Maintenance Program	\$ 876,000	2023	funded
PW-30	2024 Pavement Maintenance Program	\$ 709,620	2024	unfunded
PW-31	2025 Pavement Maintenance Program	\$ 537,300	2025	unfunded
PW-33	2026 Pavement Maintenance Program	\$ 593,400	2026	unfunded
PW-34	Eagles Parkway Phase A	\$ 2,383,450	2024/2025	unfunded
PW-36	Buckner Tarsney North Street Improvements	\$ 6,000,000	2024/2026	unfunded
PW-37	2027 Pavement Maintenance Program	\$ 567,600	2027	unfunded
PW-38	Roadway Scanning and Report Update	\$ 60,000	2025	unfunded
PW-39	SW Grain Valley Sewer System Expansion	\$ 452,500	2027/Beyond	unfunded
PW-40	NE Sewer Interceptor Phase 1	\$ 3,011,500	2024/2025	unfunded
PW-41	Duncan Road Box Culvert 9 (SB-300) Replacement	\$ 666,500	2024/2025	unfunded
VR-CD	Vehicle Replacment-Community Development	\$ 88,750	2023/2025/2027	unfunded
VR-PD	Vehicle Replacment-Police Department	\$ 347,100	2023-2027	unfunded
VR-PR	Vehicle/Equipment Replacment-Parks Department	\$ 143,300	2023-2027	unfunded
VR-PW	Vehicle/Equipment Replacment-Public Works	\$ 1,060,500	2023-2027	unfunded
PD-1	Police Duty Firearm Replacement	\$ 17,000	2023-2027	unfunded
	TOTAL	\$ 32,128,328		



LIFE OUTSIDE THE LINES

CAPITAL IMPROVEMENTS OVERVIEW

The City of Grain Valley's Capital Improvement Plan (CIP) is a major financial, public infrastructure and capital purchase planning tool for the City. 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 2023 to 2027 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.

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

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 roads, trails, parks, drinking water improvements, sewer improvements, storm water improvements 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, Wastewater, 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	2023	2024	2025	2026	2027	Beyond	Total
Parks & Rec Fund	\$31,142	\$33,500	\$144,260	\$136,790	\$142,970	\$47,500		\$536,162
General Fund		\$138,550	\$115,300	\$104,000		\$78,000		\$435,850
Cap Improvements Fund	\$123,302	\$203,400	\$333,900	\$43,400	\$211,400	\$165,900		\$1,081,302
Transportation Fund	\$34,600	\$637,100	\$899,960	\$920,740	\$649,400	\$604,290	\$110,250	\$3,856,340
Water/Sewer Fund	\$67,710	\$193,200	\$323,800	\$259,000	\$244,000	\$142,810	\$493,000	\$1,723,520
Bonds	\$67,492							\$67,492
Grants		\$487,200	\$698,000	\$2,442,120	\$413,660			\$4,040,980
Unidentified/Unfunded		\$95,000	\$5,143,000	\$2,313,500	\$5,200,000		\$6,148,182	\$18,899,682
Potential TIF/TDD/NID/Other		\$75,000	\$1,412,000					\$1,487,000
MoDOT								\$0
Total	\$324,246	\$1,862,950	\$9,070,220	\$6,219,550	\$6,861,430	\$1,038,500	\$6,751,432	\$32,128,328

CAPITAL IMPROVEMENT FUNDING

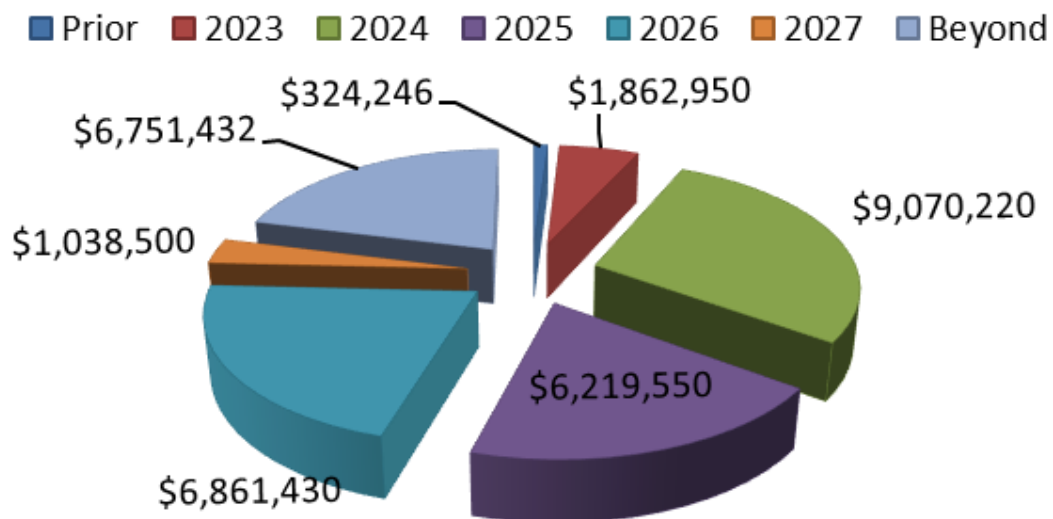
Where Does the Money Go?

The 2023-2027 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	2023	2024	2025	2026	2027	Beyond	Total
PR-5D	Park Trail Master Plan-Blue Branch South							\$362,000	\$362,000
PR-5E	Park Trail Master Plan-Blue Branch Center							\$219,140	\$219,140
PR-5G	Park Trail Master Plan-Blue Branch West							\$370,755	\$370,755
PR-7A	Park Trail Master Plan-Ryan Road		\$95,000						\$95,000
PR-7C	Park Trail Master Plan-Cross Creek							\$75,300	\$75,300
PR-7D	Park Trail Master Plan-Sni-A-Bar Center							\$128,370	\$128,370
PR-7E	Park Trail Master Plan-Sni-A-Bar West							\$289,212	\$289,212
PR-7F	Park Trail Master Plan-Sni-A-Bar East							\$309,375	\$309,375
PR-7G	Park Trail Master Plan-Buckner Tarsney South	\$31,142	\$10,000		\$305,000				\$346,142
PR-9	Park Trail Master Plan-Eagles Parkway			\$55,000		\$531,630			\$586,630
PR-10A	Park Trail Master Plan-Buckner Tarsney North							\$322,350	\$322,350
PR-10B	Park Trail Master Plan-Duncan Road							\$545,100	\$545,100
PR-11	Monkey Mountain Parking Lot							\$165,000	\$165,000
PW-3	Downtown Phase IIB Street Improvements	\$190,794	\$75,000	\$1,541,000					\$1,806,794
PW-4A	Downtown Phase III Street Improvements					\$208,000	\$140,000	\$1,812,360	\$2,160,360
PW-4B	James Rollo Road Extension	\$34,600					\$57,500	\$ 872,470	\$964,570
PW-6	James Rollo Sanitary Sewer Upgrade	\$67,710				\$20,000		\$930,000	\$1,017,710
PW-24	Water Tower Upgrade		\$400,000	\$4,450,000					\$4,850,000
PW-28	2023 Pavement Maintenance Program		\$876,000						\$876,000
PW-30	2024 Pavement Maintenance Program			\$709,620					\$709,620
PW-31	2025 Pavement Maintenance Program				\$537,300				\$537,300
PW-33	2026 Pavement Maintenance Program					\$593,400			\$593,400
PW-34	SW Eagles Parkway			\$229,800	\$2,153,650				\$2,383,450
PW-36	Buckner Tarsney North Street Improvements			\$800,000		\$5,200,000			\$6,000,000
PW-37	2027 Pavement Maintenance Program						\$567,600		\$567,600
PW-38	Roadway Scanning & Condition Report Update				\$60,000				\$60,000
PW-39	SW Grain Valley Sewer System Extension						\$102,500	\$350,000	\$452,500
PW-40	NE Sewer Interceptor Phase 1			\$698,000	\$2,313,500				\$3,011,500
PW-41	Duncan Road Box Culvert (SB 300) Replacement			\$191,300	\$475,200				\$666,500
VR-CD	Vehicle Replacement Program CD		\$29,750		\$26,000		\$33,000		\$88,750
VR-PD	Vehicle Replacement Program PD		\$108,800	\$115,300	\$78,000		\$45,000		\$347,100
VR-PR	Vehicle/ Equipment Replacement Parks		\$23,500	\$47,300		\$25,000	\$47,500		\$143,300
VR-PW	Vehicle/Equipment Replacement Public Works		\$241,500	\$229,500	\$267,500	\$280,000	\$42,000		\$1,060,500
PD-1	Police Duty Firearm Replacement		\$3,400	\$3,400	\$3,400	\$3,400	\$3,400		\$17,000
	Total	\$324,246	\$1,862,950	\$9,070,220	\$6,219,550	\$6,861,430	\$1,038,500	\$6,751,432	\$32,128,328

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 revenues 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	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$362,000	\$362,000
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	\$362,000	\$362,000

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$362,000	\$362,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$362,000	\$362,000



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	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$219,140	\$219,140
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	\$219,140	\$219,140

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$219,140	\$219,140
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$219,140	\$219,140



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	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$337,050	\$337,050
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	\$33,705	\$33,705
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$370,755	\$370,755

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$370,755	\$370,755
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$370,755	\$370,755



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-7A

PROJECT TYPE: Park Improvements

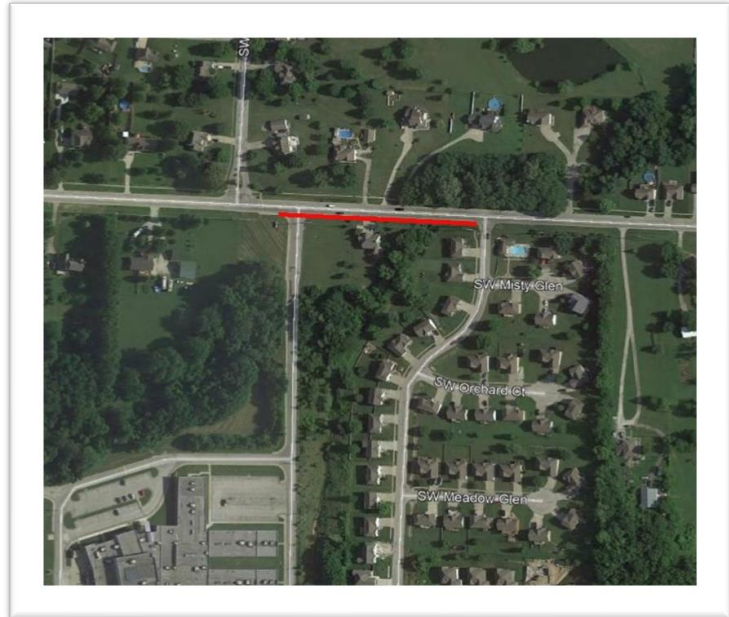
DEPARTMENT: Parks and Recreation

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 along the drive to the South Middle School and Stony Point Elementary school campus to the Cross Creek entrance of Ryan Meadows Subdivision. The project consists of approximately 540 feet of 5 foot wide sidewalk, curb and gutter replacement and a creek crossing.

JUSTIFICATION:

This project recognizes the important role that bicycling and walking play in the City's total transportation system. The project also provides a safe route to the school for pedestrians. 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	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$95,000	\$0	\$0	\$0	\$0	\$0	\$95,000
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	\$95,000	\$0	\$0	\$0	\$0	\$0	\$95,000

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$95,000	\$0	\$0	\$0	\$0	\$0	\$95,000
Total	\$0	\$95,000	\$0	\$0	\$0	\$0	\$0	\$95,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-7C

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

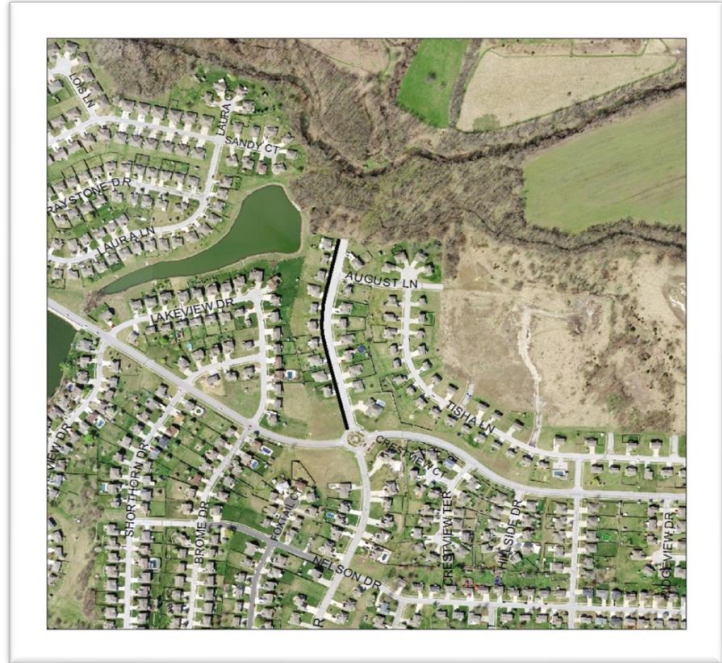
DESCRIPTION:

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	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$68,800	\$68,800
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	\$6,500	\$6,500
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$75,300	\$75,300

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$75,300	\$75,300
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$75,300	\$75,300



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	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$116,700	\$116,700
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	\$11,670	\$11,670
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$128,370	\$128,370

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$128,370	\$128,370
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$128,370	\$128,370



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 10foot 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	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$262,920	\$262,920
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	\$26,292	\$26,292
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$289,212	\$289,212

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$289,212	\$289,212
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$289,212	\$289,212



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	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$281,250	\$281,250
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	\$28,125	\$28,125
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$309,375	\$309,375

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$309,375	\$309,375
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$309,375	\$309,375



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

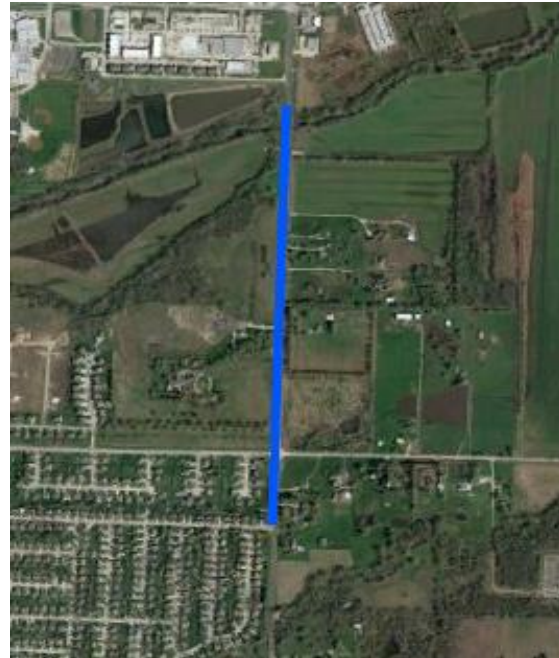
PR-7G

PROJECT TYPE: Park Improvements

DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail running parallel to Buckner-Tarsney Road from Nelson Drive north to the Blue Branch Trail. The project includes approximately 3,650 feet of 10 foot asphalt trail and a crossing of Blue Branch connecting the Blue Branch Trail to the subdivisions to the south. A TAP Grant application has been submitted for this project.



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	2023	2024	2025	2026	2027	Beyond	Total
Land Acquisition	\$0	\$10,000		\$0	\$0	\$0	\$0	\$10,000
Design	\$31,142	\$0	\$0	\$0	\$0	\$0	\$0	\$31,142
Construction	\$0	\$0	\$0	\$305,000	\$0	\$0	\$0	\$305,000
Landscaping	\$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	\$31,142	\$10,000	\$0	\$305,000	\$0	\$0	\$0	\$346,142

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$31,142	\$10,000	\$0	\$61,000	\$0	\$0	\$0	\$102,142
Grants	\$0	\$0	\$0	\$244,000	\$0	\$0	\$0	\$244,000
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$31,142	\$10,000	\$0	\$305,000	\$0	\$0	\$0	\$346,142



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 the Blue Branch Trail east to the High School entrance. The project also includes widening the existing sidewalk from the High School entrance to Buckner Tarsney Road from 5 feet to 10 feet. The project includes approximately 5,830 feet of 10 foot wide trail. The project includes trees for shading the path. A TAP Grant application has been submitted for this project.



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	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$0	\$55,000	\$0	\$455,300	\$0	\$0	\$510,300
Landscaping	\$0	\$0	\$0	\$0	\$23,000	\$0	\$0	\$23,000
	\$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	\$0	\$0	\$0	\$53,330	\$0	\$0	\$53,330
Total	\$0	\$0	\$55,000	\$0	\$531,630	\$0	\$0	\$586,630

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Parks & Rec Fund	\$0	\$0	\$55,000	\$0	\$117,970	\$0	\$0	\$172,970
Grants	\$0	\$0	\$0	\$0	\$413,660	\$0	\$0	\$413,660
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$55,000	\$0	\$531,630	\$0	\$0	\$586,630



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: PARK TRAIL MASTER PLAN

PR-10A

PROJECT TYPE: Park Improvements

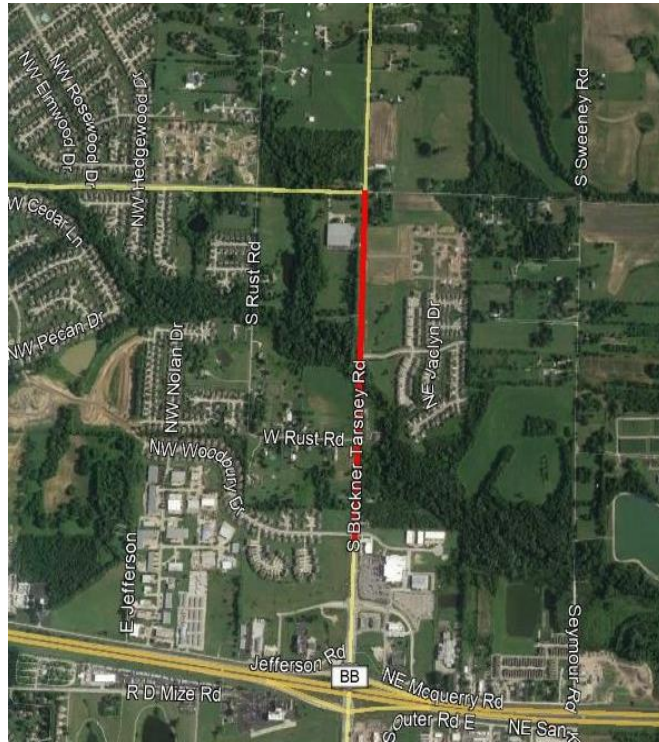
DEPARTMENT: Parks and Recreation

DESCRIPTION:

This project includes an asphalt trail providing connectivity between the north and south sides of I70. This trail can be combined with widening and improvement of Buckner Tarsney Road from Woodbury to Duncan Road. The project includes approximately 2,700 feet of 10' wide asphalt trail along the east side of Buckner Tarsney Road. A portion of this project has already been approved for developer installation.

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	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$322,350	\$322,350
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	\$322,350	\$322,350

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$322,350	\$322,350
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$322,350	\$322,350



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 from Buckner-Tarsney Road to the Dillingham Trail, including connections to Grayleigh Park, Rosewood Hills and Woodbury subdivision. It addition it will connect to Prarie 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 businesses.

Projected Five-Year Cost Schedule

Breakdown	Prior	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$545,100	\$545,100
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	\$545,100	\$545,100

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$545,100	\$545,100
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$545,100	\$545,100



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	2023	2024	2025	2026	2027	Beyond	Total
Design/Construct	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	\$150,000
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	\$15,000	\$15,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$165,000	\$165,000

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$165,000	\$165,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$165,000	\$165,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: DOWNTOWN PHASE II B STREET IMPROVEMENTS

PW-3

PROJECT TYPE: Street Improvements

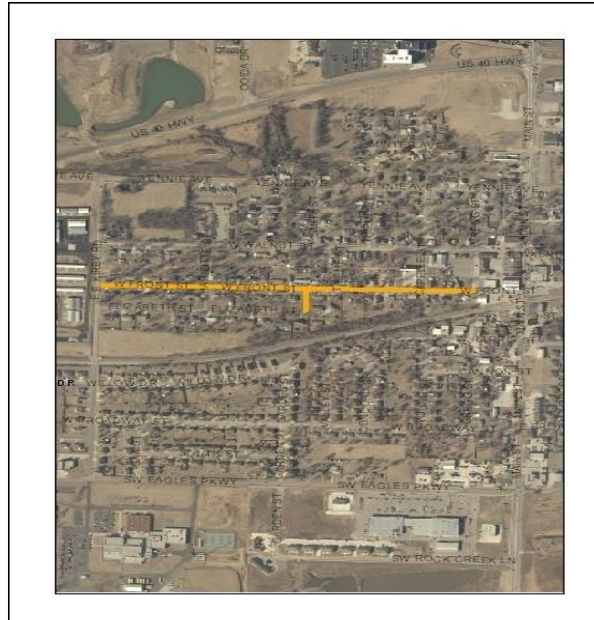
DEPARTMENT: Community Development

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	2023	2024	2025	2026	2027	Beyond	Total
Land	\$123,302	\$45,000	\$0	\$0	\$0	\$0	\$0	\$168,302
Design	\$67,492	\$30,000	\$0	\$0	\$0	\$0	\$0	\$97,492
Construction	\$0	\$0	\$1,140,000	\$0	\$0	\$0	\$0	\$1,140,000
Water/Sewer	\$0	\$0	\$129,000	\$0	\$0	\$0	\$0	\$129,000
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$272,000	\$0	\$0	\$0	\$0	\$272,000
Total	\$190,794	\$75,000	\$1,541,000	\$0	\$0	\$0	\$0	\$1,806,794

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
Capital Improvements Fund	\$123,302	\$0	\$0	\$0	\$0	\$0	\$0	\$123,302
Transportation Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water/Sewer Fund	\$0	\$0	\$129,000	\$0	\$0	\$0	\$0	\$129,000
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	\$0	\$0	\$0	\$0
TIF/TDD	\$0	\$75,000	\$1,412,000	\$0	\$0	\$0	\$0	\$1,487,000
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$190,794	\$75,000	\$1,541,000	\$0	\$0	\$0	\$0	\$1,806,794



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: DOWNTOWN PHASE III STREET IMPROVEMENTS

PW-4A

PROJECT TYPE: Streets Improvements

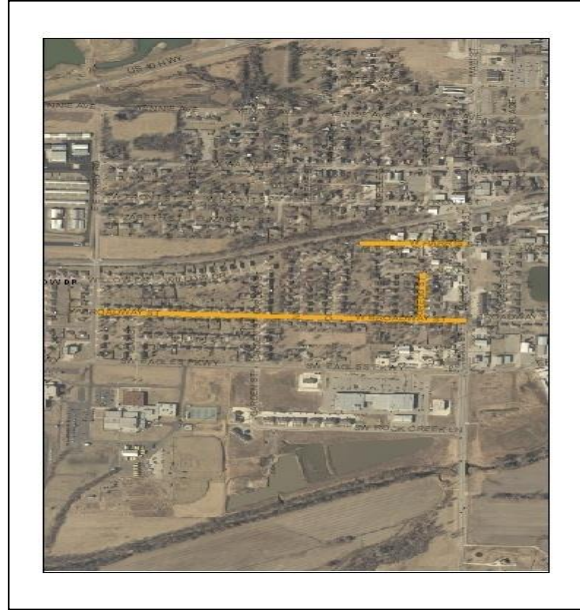
DEPARTMENT: Community Development

DESCRIPTION:

This project involves the reconstruction of Harris Street and Broadway Street (east of Garden). These roads will include roadway, curb, drainage and water improvements. Status: This project is included in the Downtown Improvement Plan (Engineers Report).

JUSTIFICATION:

This project will remove and replace the existing asphalt which is in need of repair as identified by the TranSystems pavement management program study.



Projected Five-Year Cost Schedule

Breakdown	Prior	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$140,000	\$0	\$140,000
Design	\$0	\$0	\$0	\$0	\$208,000	\$0	\$0	\$208,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$1,390,000	\$1,390,000
Water/Sewer	\$0	\$0	\$0	\$0	\$0	\$0	\$257,600	\$257,600
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$164,760	\$164,760
Total	\$0	\$0	\$0	\$0	\$208,000	\$140,000	\$1,812,360	\$2,160,360

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$208,000	\$140,000	\$0	\$348,000
Transportation Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water/Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$257,600	\$257,600
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	\$1,554,760	\$1,554,760
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$208,000	\$140,000	\$1,812,360	\$2,160,360



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: James Rollo Road Extension

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	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$22,500	\$0	\$22,500
Design	\$34,600	\$0	\$0	\$0	\$0	\$35,000	\$0	\$69,600
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$756,500	\$756,500
Water/Sewer	\$0	\$0	\$0	\$0	\$0	\$0	\$55,100	\$55,100
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$60,870	\$60,870
Total	\$34,600	\$0	\$0	\$0	\$0	\$57,500	\$872,470	\$964,570

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$0	\$22,500	\$0	\$22,500
Transportation Fund	\$34,600	\$0	\$0	\$0	\$0	\$28,290	\$110,250	\$173,140
Water/Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$6,710	\$60,400	\$67,110
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	\$701,820	\$701,820
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$34,600	\$0	\$0	\$0	\$0	\$57,500	\$872,470	\$964,570



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	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$10,000	\$0	\$0	\$10,000
Design	\$67,710	\$0	\$0	\$0	\$10,000	\$0	\$0	\$77,710
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$930,000	\$930,000
	\$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	\$67,710	\$0	\$0	\$0	\$20,000	\$0	\$930,000	\$1,017,710

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$20,000	\$0	\$0	\$87,710
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	\$0	\$930,000	\$930,000
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	\$20,000	\$0	\$930,000	\$1,017,710



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. Part of the project design will include performing modeling of the City's water system.



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	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000
Construction	\$0	\$0	\$4,200,000	\$0	\$0	\$0	\$0	\$4,200,000
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Total	\$0	\$400,000	\$4,450,000	\$0	\$0	\$0	\$0	\$4,850,000

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000
Unidentified/Unfunded	\$0	\$0	\$4,450,000	\$0	\$0	\$0	\$0	\$4,850,000
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$400,000	\$4,450,000	\$0	\$0	\$0	\$0	\$5,250,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: 2023 Street Maintenance Program

PW-28

PROJECT TYPE: Street Improvements

DEPARTMENT: Community Development

DESCRIPTION:

This project involves approximately 19,700 L.F. of edge mill and asphalt overlay of the road surface. The project covers Ryan Road, Blue Branch Drive, Stony Brook Drive, Blue Branch Court, Blue Branch Circle, Whitestone Drive, Phelps Court, Phelps Drive, Sone Brook Lane, Stone Brook Drive, Rock Creek Lane, RockCreek Drive Pebblebrook Lane. and Sni-A-Bar Blvd. from US 40 to Sni-A-Bar Parkway, Sni-A-Bar Parkway from Sni-a-Bar Blvd to Eagles Parkway. The cost shown is for roadway repairs, ADA ramp upgrades and striping for Sni-A-Bar and Ryan Roads. Sni-A-Bar Blvd & Parkway will be funded by Federal Funds.

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. and Parkway. This will provide an improved ride and increase the longevity of the roadway base and surface.



Projected Five-Year Cost Schedule

Breakdown	Prior	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$876,000	\$0	\$0	\$0	\$0	\$0	\$876,000
	\$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	\$876,000	\$0	\$0	\$0	\$0	\$0	\$876,000

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
Capital Improvements Fund	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
Transportation Fund	\$0	\$588,800	\$0	\$0	\$0	\$0	\$0	\$588,800
Water/Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$87,200	\$0	\$0	\$0	\$0	\$0	\$87,200
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	\$876,000	\$0	\$0	\$0	\$0	\$0	\$876,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: 2024 Street Maintenance Program

PW-30

PROJECT TYPE: Street Improvements

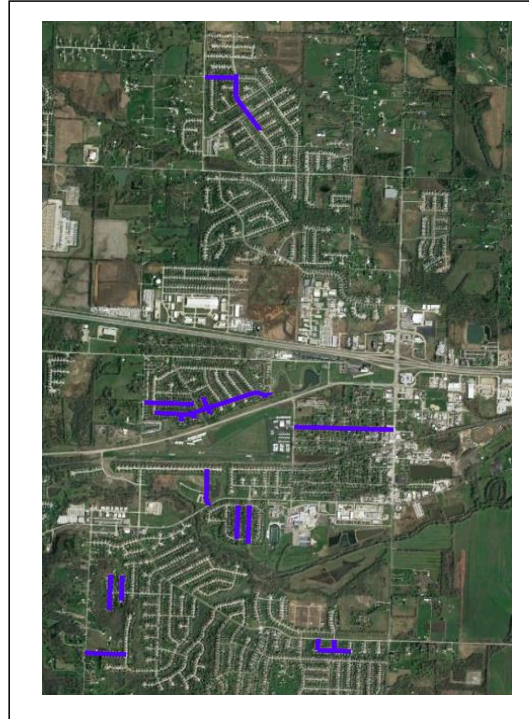
DEPARTMENT: Community Development

DESCRIPTION:

This project involves approximately 14,500 L.F. of edge mill and asphalt overlay of the road surface. The project covers Cross Creek Drive, Cross Creek Lane, Addie Lane, Foothill Drive, Oakwood Drive, Royer Drive, Rosewood Drive, Hedgewood Drive, Ridgeview Drive, Crestview Drive, Logan Drive, , NW Long Drive, Silverstone Court, Silverstone Circle, Magnolia Circle and Azalia Circle. The project also includes providing 3,270 L.F. of micro seal on Walnut Street and Royer Drive to put off the need for an overlay for 4 to 5 years. The cost shown is for roadway repairs and ADA ramp upgrades.

JUSTIFICATION:

This project will remove and replace the failing asphalt surface, concrete pavement, 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	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$709,620	\$0	\$0	\$0	\$0	\$709,620
	\$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	\$709,620	\$0	\$0	\$0	\$0	\$709,620

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Transportation Fund	\$0	\$0	\$509,620	\$0	\$0	\$0	\$0	\$509,620
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	\$709,620	\$0	\$0	\$0	\$0	\$709,620



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: 2025 Pavement Maintenance Program

PW-31

PROJECT TYPE: Street Improvements

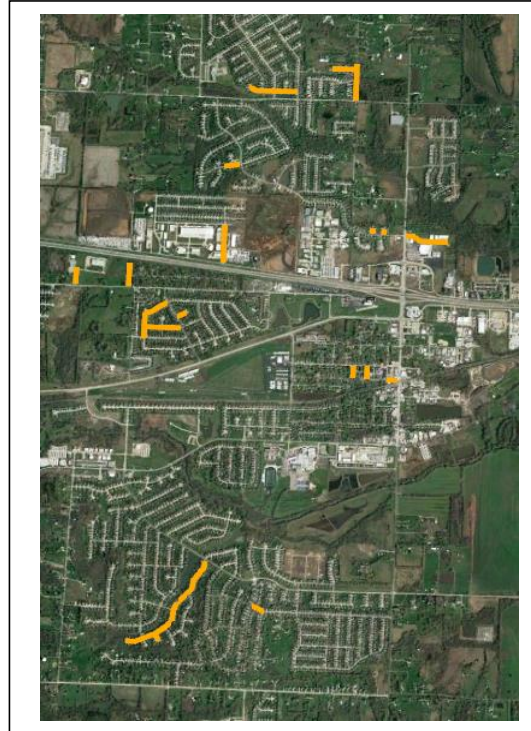
DEPARTMENT: Community Development

DESCRIPTION:

This project involves approximately 10,993 L.F. of edge mill and asphalt overlay of the road surface. The project covers Rosewood Drive, Hedgewood Drive, Dillingham Road, Foothill Drive, Oak Wood Lane, Rust Road, Rust Court, Tyer Road north of RD Mize, Woodbury Place, Ridgewood Drive, Crestview Drive, Logan Drive, Pavillion Drive, Nelson Drive, Sawgrass Drive and the Ally west of Capelle Street. In addition 487 feet of road would receive patch and seal for Woodbury Lane and Front Street between Main Street and Gregg Street. 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	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$537,300	\$0	\$0	\$0	\$537,300
	\$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	\$537,300	\$0	\$0	\$0	\$537,300
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	2023	2024	2025	2026	2027	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Fund	\$0	\$0	\$0	\$537,300	\$0	\$0	\$0	\$537,300
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	\$537,300	\$0	\$0	\$0	\$537,300



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: 2026 Pavement Maintenance Program

PW-33

PROJECT TYPE: Street Improvements

DEPARTMENT: Community Development

DESCRIPTION:

This project involves approximately 6,320 L.F. of edge mill and asphalt overlay of the road surface. The project covers Ephraim Drive, Elmwood Drive, Greg Street, Whitney Drive, Michael Drive. In addition the following streets will receive patching and a seal coat: Hill Top Lane, High View Drive, Short Street, Duncan Road east of Buckner Tarsney Road, Dillingham Road from Crestwood drive to Argo Road. The cost shown is for roadway repairs, asphalt overlay 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	2023	2024	2025	2026	2027	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	\$593,400	\$0	\$0	\$593,400
	\$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	\$593,400	\$0	\$0	\$593,400

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Fund	\$0	\$0	\$0	\$0	\$593,400	\$0	\$0	\$593,400
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/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	\$593,400	\$0	\$0	\$593,400



CAPITAL IMPROVEMENTS PROGRAM

PROJECT TITLE: SW Eagles Parkway Phase A

PW-34

PROJECT TYPE: Street Improvements

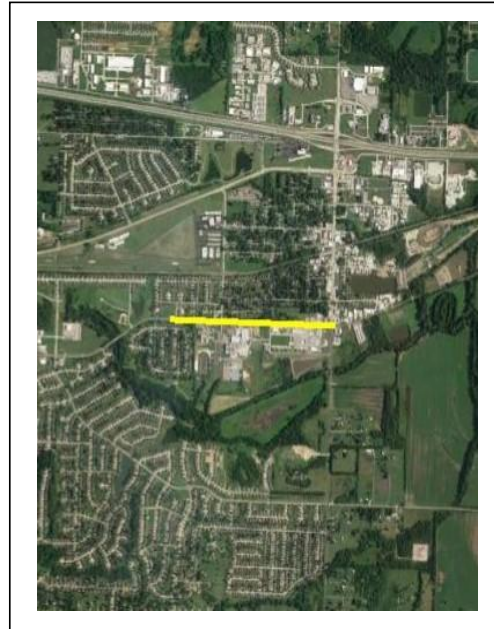
DEPARTMENT: Community Development

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	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Design	\$0	\$0	\$209,800	\$0	\$0	\$0	\$0	\$209,800
Construction	\$0	\$0	\$0	\$1,957,860	\$0	\$0	\$0	\$1,957,860
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$195,790	\$0	\$0	\$0	\$195,790
Total	\$0	\$0	\$229,800	\$2,153,650	\$0	\$0	\$0	\$2,383,450

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$55,500	\$40,000	\$0	\$0	\$0	\$95,500
Transportation Fund	\$0	\$0	\$128,140	\$269,940	\$0	\$0	\$0	\$398,080
Water/Sewer Fund	\$0	\$0	\$4,200	\$45,000	\$0	\$0	\$0	\$49,200
Parks & Rec Fund	\$0	\$0	\$41,960	\$75,790	\$0	\$0	\$0	\$117,750
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$1,722,920	\$0	\$0	\$0	\$1,722,920
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	\$229,800	\$2,153,650	\$0	\$0	\$0	\$2,383,450





CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: 2027 Pavement Maintenance Program

PW-37

PROJECT TYPE: Street Improvements

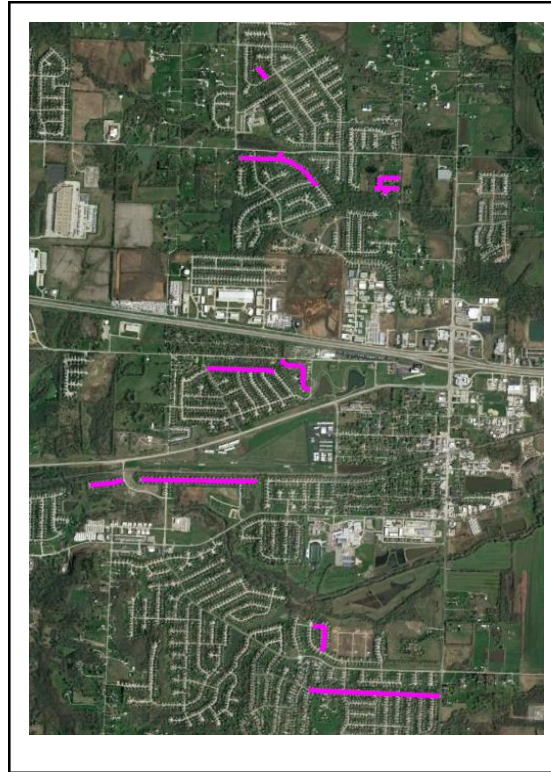
DEPARTMENT: Community Development

DESCRIPTION:

This project involves approximately 4,850 L.F. of edge mill and asphalt overlay of the road surface and 9,305 L.F. of patching and sealing. The overlay project covers Woodbury Lane, Cedar Lane, Sweetgum Court, Scenic Drive, Nelson Drive, Europa Drive, Minos Drive, Orion Drive, and Helen Court. The patching and sealing portion of the project covers Willow Drive east and west of Sni-A-Bar Blvd, Crestview Drive, August Lane, Nelson Drive, Valley Woods Drive and Scenic Drive. The cost shown is for roadway repairs and ADA ramp upgrades.

JUSTIFICATION:

This project will remove and replace the failing asphalt surface, with an asphalt overlay or a surface seal, 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	2023	2024	2025	2026	2027	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	\$567,600	\$0	\$567,600
	\$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	\$0	\$567,600	\$0	\$567,600

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Fund	\$0	\$0	\$0	\$0	\$0	\$567,600	\$0	\$567,600
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	\$567,600	\$0	\$567,600



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: ROADWAY SCANNING AND CONDITION REPORT UPDATE **PW-38**

PROJECT TYPE: Street Study

DEPARTMENT: Community Development

DESCRIPTION:
This project includes laser scanning all of the City's Streets, assessing their condition and preparing a plan to maintain and improve the City's streets.

JUSTIFICATION:
The City hired IMS to perform this work in 2020. The information was used to determine the condition of the City's streets and which streets should receive maintenance and the order to provide that maintenance.



Projected Five-Year Cost Schedule

Breakdown	Prior	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	\$0	\$0	\$0	\$60,000	\$0	\$0	\$0	\$60,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water/Sewer	\$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	\$60,000	\$0	\$0	\$0	\$60,000

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Fund	\$0	\$0	\$0	\$60,000	\$0	\$0	\$0	\$60,000
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	\$60,000	\$0	\$0	\$0	\$60,000



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: SOUTHWEST GRAIN VALLEY SEWER SYSTEM EXPANSION PW-39

PROJECT TYPE: Sewer Improvements

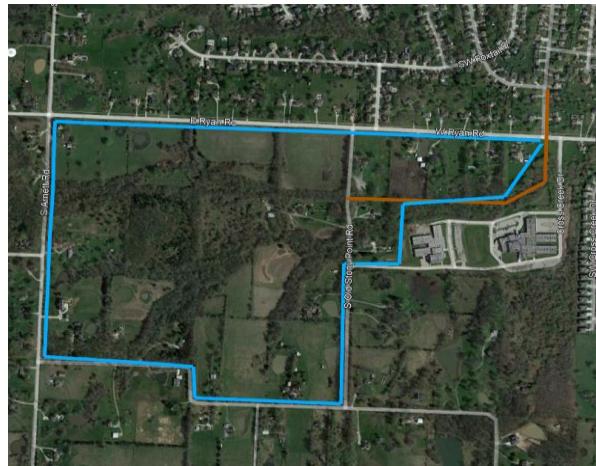
DEPARTMENT: Community Development

DESCRIPTION:

This project consists of extending the City's sewer system from the South Middle School westward to vacant property to encourage new development in this area. Approximately 2,690 feet of 10 inch sewer main would be required.

JUSTIFICATION:

The largest drawback to continued development of the areas just outside the City is availability of City sewer service. As was done with the Northwest Interceptor that opened up the area for Rosewood Hills and Woodbury, a combined effort between potential developers and the City can open up the vacant land west of the South Middle School to City growth.



Projected Five-Year Cost Schedule

Breakdown	Prior	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000
Design	\$0	\$0	\$0	\$0	\$0	\$52,500	\$0	\$52,500
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$350,000	\$350,000
Water/Sewer	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$102,500	\$350,000	\$452,500

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$102,500	\$175,000	\$277,500
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	\$175,000	\$175,000
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$102,500	\$350,000	\$452,500



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: NORTHEAST SEWER INTERCEPTOR PHASE 1 PW-40

PROJECT TYPE: Sewer System Improvements

DEPARTMENT: Community Development

DESCRIPTION:

This project consists of extending sewer service to the area east of Buckner Tarsney Road and north of Duncan Road. The property owners in this area have made repeated requests about development potential. However, sewer service has been the main hold up. Phase 1 of the project would consist of approximately 5,600 feet of 27 inch gravity sewer along Seymore Road, a lift station near the corner of Duncan and Seymore and 1,370 feet of force on Seymore Road. The lift station would be designed to use 2 pumps in Phase 1 but provide for a third pump as development occurs. Phase 1 has the potential to serve 180 acres.

JUSTIFICATION:

The largest drawback to continued development of the areas just outside the City is availability of City sewer service. As was done with the Northwest Interceptor that opened up the area for Rosewood Hills and Woodbury, a combined effort between potential developers and the City can open up the vacant land east of Buckner Tarsney Road and north of Duncan Road. Cost of the project would be shared between the developers and the City. The City would recover their funds as the interceptor expands to additional development. Plan to use ARPA funds to get this project started.



Projected Five-Year Cost Schedule

Breakdown	Prior	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$348,000	\$0	\$0	\$0	\$0	\$348,000
Design	\$0	\$0	\$350,000	\$0	\$0	\$0	\$0	\$350,000
Construction	\$0	\$0	\$0	\$2,313,500	\$0	\$0	\$0	\$2,313,500
Water/Sewer	\$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	\$698,000	\$2,313,500	\$0	\$0	\$0	\$3,011,500

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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	\$698,000	\$0	\$0	\$0	\$0	\$698,000
Unidentified/Unfunded	\$0	\$0	\$0	\$2,313,500	\$0	\$0	\$0	\$2,313,500
TIF/TDD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MoDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$698,000	\$2,313,500	\$0	\$0	\$0	\$3,011,500



CAPITAL IMPROVEMENTS PLAN

PROJECT TITLE: Duncan Road Box Culvert (Structure SB 300) **PW-41**
Replacement

PROJECT TYPE: Storm Water Improvements Improvements

DEPARTMENT: Community Development

DESCRIPTION:

This project consists of replacing the box culvert under Duncan Road between Buckner Tarsney Road and Rust Road. The project was identified in the Storm Water Master Plan Update and may qualify for grant funding. The existing structure is a single 12 foot by 8 foot box culvert. The new structure is proposed as double 12 foot by 8 foot box culvert.

JUSTIFICATION:

The existing box culvert cannot carry a 10 year (10%) storm which would be the minimum requirement. In addition the 100 year (1%) storm would over top Duncan Road by one and half feet. DNR is accepting applications for grants for storm water projects using the Build Back Better funds.



Projected Five-Year Cost Schedule

Breakdown	Prior	2023	2024	2025	2026	2027	Beyond	Total
Land	\$0	\$0	\$25,000	\$0	\$0	\$0	\$0	\$25,000
Design	\$0	\$0	\$166,300	\$0	\$0	\$0	\$0	\$166,300
Construction	\$0	\$0	\$0	\$475,200	\$0	\$0	\$0	\$475,200
Water/Sewer	\$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	\$191,300	\$475,200	\$0	\$0	\$0	\$666,500

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
Capital Improvements Fund	\$0	\$0	\$25,000	\$0	\$0	\$0	\$0	\$25,000
Transportation Fund	\$0	\$0	\$166,300	\$0	\$0	\$0	\$0	\$166,300
Water/Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$0	\$0	\$0	\$475,200	\$0	\$0	\$0	\$475,200
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	\$191,300	\$475,200	\$0	\$0	\$0	\$666,500

City of Grain Valley
CIP 2023-2027



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). In 2027, replace 2015 Ford Taurus (ID#84644). This vehicle will be replaced with a 4x4 truck/SUV that can be used on project sites to make job inspections.

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.



2012 Chevrolet Colorado

Projected Five-Year Cost Schedule

Breakdown	Prior	2023	2024	2025	2026	2027	Beyond	Total
Truck/SUV		\$29,750		\$26,000		\$33,000		\$88,750
Total		\$29,750	\$0	\$26,000	\$0	\$33,000		\$88,750

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
General Fund		\$29,750		\$26,000		\$33,000		\$88,750
Transportation Fund								
Water/Sewer Fund								
Parks and Rec Fund								
Grants								
Unidentified/Unfunded								
TIF/TDD								
MoDOT								
Total	\$0	\$29,750	\$0	\$26,000	\$0	\$33,000	\$0	\$88,750



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 2023, replace ID 1005 and ID 1006, both Ford PI Utility Vehicles. Also, 2009 Ford Crown Vic (ID 0811). In 2024, replace 2014 Ford PI Sedan (ID 0358), 2018 Chevrolet Tahoe Police Pursuit Vehicle (ID 9989) and 2013 Chev Impala (ID 7177). In 2025, replace two (2) 2021 Ford PI Utility Vehicles (ID 6673 and ID 1463). In 2027, replace the ACO unit, 2015 Chev 1500 Silverado with animal carriage (ID 1497).



2013 Ford Police Utility

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	2023	2024	2025	2026	2027	Beyond	Total
Police Utility Vehicle	\$0	\$108,800	\$115,300	\$78,000		\$45,000		\$347,100
Light/Medium Duty Truck								
Heavy Duty Trucks								
Trailers								
Mowers								
Total	\$0	\$108,800	\$115,300	\$78,000	\$0	\$45,000		\$347,100

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
General Fund	\$0	\$108,800	\$115,300	\$78,000	\$0	\$45,000		\$347,100
Transportation Fund								
Water/Sewer Fund								
Parks and Rec Fund								
Grants								
Unidentified/Unfunded								
TIF/TDD								
MoDOT								
Total	\$0	\$108,800	\$115,300	\$78,000	\$0	\$45,000	\$0	\$347,100



CAPITAL IMPROVEMENTS PLAN

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

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 2023, replace 2016 Mower (ID# 20148). 2) In 2024, replace 2012 Ford F-250 pick-up (ID#12433) and 2007 Maxey Flatbed trailer (ID#PR5). 3) In 2026, replace 2018 John Deere riding mower (ID#40355). 4) In 2027, replace 2017 Chevrolet 3500HD dump truck (ID#58899).

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.



2016 Mower

Projected Five-Year Cost Schedule

Breakdown	Prior	2023	2024	2025	2026	2027	Beyond	Total
Car/SUV								\$0
Light/Medium Duty Truck								
Heavy Duty Trucks			\$39,000			\$47,500		\$86,500
Trailers			\$8,300					\$8,300
Mowers		\$23,500			\$25,000			\$48,500
Total		\$23,500	\$47,300		\$25,000	\$47,500		\$143,300

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
General Fund								
Transportation Fund								
Water/Sewer Fund								
Parks and Rec Fund		\$23,500	\$47,300		\$25,000	\$47,500		\$143,300
Grants								
Unidentified/Unfunded								
TIF/TDD								
MoDOT								
Total	\$0	\$23,500	\$47,300		\$25,000	\$47,500	\$0	\$143,300



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 2023, replace 2008 trailer (ID# 180), 2015 Chevrolet Pick-up (ID# 40668) and 2014 Sewer Inspection Equipment (ID# 00363). In 2024, replace 2009 trailer (ID# 182) 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). In 2027, replace 2015 Chev Silverado 1500 pickup (ID# 72340).

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 Sewer Inspection Equip/Trailer

Projected Five-Year Cost Schedule

Breakdown	Prior	2023	2024	2025	2026	2027	Beyond	Total
Car/SUV								\$0
Light/Medium Duty Truck		\$34,000		\$35,000	\$40,000	\$42,000		\$151,000
Heavy Duty Trucks			\$225,000	\$232,500	\$240,000			\$697,500
Trailers		\$17,500	\$4,500					\$22,000
Equipment		\$190,000						\$190,000
								\$0
Total		\$241,500	\$229,500	\$267,500	\$280,000	\$42,000		\$1,060,500

Projected Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	Beyond	Total
General Fund								
Transportation Fund		\$48,300	\$45,900	\$53,500	\$56,000	\$8,400		\$212,100
Water Fund		\$96,600	\$91,800	\$107,000	\$112,000	\$16,800		\$424,200
Sewer Fund		\$96,600	\$91,800	\$107,000	\$112,000	\$16,800		\$424,200
Parks and Rec Fund								\$0
Grants								\$0
Unidentified/Unfunded								\$0
TIF/TDD								\$0
MoDOT								\$0
Total	\$0	\$241,500	\$229,500	\$267,500	\$280,000	\$42,000	\$0	\$1,060,500

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 department'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.

cted Five-Year Cost Schedule

Breakdown	Prior	2023	2024	2025	2026	2027	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

ed Five-Year Funding Schedule

Source	Prior	2023	2024	2025	2026	2027	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