

CAPITAL IMPROVEMENT PLAN

2024-2028



Table of Contents

INTRODUCTION

Letter from the City Administrator.....3
Capital Improvement Plan 2024-2028..... 4
Revenue Sources.....5
Citywide Capital Improvement Plan Summary.....6

CAPITAL IMPROVEMENT PLAN

Administration..... 8
Economic Development.....12
Information Technology..... 15
Community Development..... 18
Law Enforcement..... 21
Parks and Recreation.....34
Engineering..... 98
Transportation..... 109
Public Works.....145
Water..... 166
Wastewater..... 192



TO THE MAYOR AND BOARD OF ALDERMEN:

I am pleased to transmit to you the proposed 2024-2028 Capital Improvement Plan (CIP). This proposed five-year plan is a well-thought-out planning document that balances projected revenues with capital expenditures to help meet the community's growing needs. After review, modification and adoption by the Board of Aldermen, staff utilizes this finalized document as authorization for a project to move forward for planning purposes. After approval of the CIP, funding for individual projects will be allocated through the budget approval process.

The City remains dedicated to the long-range planning of capital improvements. Most new projects or equipment will appear in the fifth year of the plan. However, to adapt to current conditions or changing circumstances limited items may be introduced before the fifth year while others may move forward or backward from previous plans.

Over the last year, the Board of Aldermen has given staff clear direction on a number of key themes. The CIP addresses your strategic direction and priorities. In addition to meeting the capital needs of the City for the next five years, the CIP accomplishes the following:

- Identifies projects to improve transportation infrastructure
- Leverages funds from other entities
- Maintains a commitment to revitalizing Historic Downtown
- Develops a strategy to construct new facilities
- Funds the continued maintenance and enhancement of aging infrastructure

The proposed plan calls for the expenditure of \$215,009,525 over a five-year time frame and includes funding mechanisms for each item.

Please accept this Capital Improvement Plan for adoption. The CIP has been carefully developed and included the participation and insightful thinking of all departments. The plan allows the City to proactively anticipate its future needs while retaining the flexibility to adjust to current conditions as necessary.

Sincerely,

A handwritten signature in black ink that reads "Doug Lee". The signature is written in a cursive, slightly stylized font.

Douglas Lee
City Administrator

CAPITAL IMPROVEMENT PLAN 2024-2028

Capital Plan

A Five-Year Capital Improvement Plan allows the City to proactively plan its future capital needs well in advance, yet allow flexibility for changing needs. The first year reflects the capital projects included in the 2024 fiscal year budget. The remaining four years represent a schedule and estimate of future capital projects that may be funded based on revenue projections. Capital expenditures are listed by year and have been moved or adjusted to remain in balance. There will be further adjustments as the plan is updated with current information annually.

The **Fund** identifies the particular fund that will be used to pay for each project and the **Department** identifies responsibility. **Outside Funding Sources** identifies expected or estimated funds from grants or bonds. **Project Description and Justification** provides a description of each project (location, scope of work, etc.) and attempts to explain exactly why the particular project is needed. Justifications generally involve an effort to conserve funds now or in the future, enhance efficiency, provide a superior and high-quality public service, ensure greater employee or public safety, and/or replace, improve or expand public infrastructure.

Capital Improvements

Capital improvements are physical improvements to public infrastructure in and throughout the City, and include the construction of streets, stormwater systems, bridges, parks, recreational facilities, structural renovations, and numerous other projects that involve physical improvements in and throughout the community.

Financing Methods

As stated, the means of funding for each project is specified herein; the Governmental Fund to be used to complete the physical improvement. Within this Five-Year Capital Improvement Plan, a total of \$215,009,525 is recommended for capital spending. A breakdown of this \$215 million by department indicates that the Transportation Fund will bear the largest burden of this Five-Year Capital Plan, followed by the Capital Fund and Wastewater Funds. Of the total \$215 million in total five-year capital spending, \$90 million (or 42%) is estimated to be reimbursed by outside funding sources. The City will continue to pursue outside funding to finance (or defray) significant capital costs.

Annual Expenditure Trend

Approximately \$215 million in capital projects are anticipated over the five-year period 2024-2028. For this five-year period, the largest single year of capital outlay will be fiscal year 2024 followed by fiscal year 2025. 2024 projects include in-house solid waste collection services, the renovation of Green Lantern, the completion of the Public Works Facility, David Hoekel Parkway Phase 3 pre-construction, Peine Road safety improvements, Great Oaks Boulevard extension, Highway 61 Outer Road – Phase 2A, construction of a two-million-gallon water storage tank, waterline extensions, and lift station replacements. The fiscal year 2025 includes Highway Z widening improvements, David Hoekel Parkway Phase 3 construction, downtown revitalization, Mexico Road safety improvements, Heartland Park trail extensions, renovations to Fireman’s Park, and the lift station replacements. The other variances year-to-year are due to a number of large transportation projects which includes yearly street and sidewalk maintenance and enhancements committed to downtown. waterline extension and replacement projects.

REVENUE SOURCES

General Fund

General Fund capital expenditures are all funded from the Capital Improvements Fund.

Transportation Fund

Transportation Fund revenues are largely sales tax driven. The annual growth rate is consistent with current trends, yet grant funding was added in where appropriate. The variable nature of grant funding renders any visual trend of Transportation Fund revenues difficult to perceive. Transportation equipment is also funded by the Capital Improvements Fund allowing more Transportation funds to be allocated for major road projects.

Capital Improvements Fund

Capital Improvements Fund revenues are used to make lease payments for bond issues and to purchase capital equipment. These are revenues transferred to other funds and budgeted accordingly. The Capital Fund purchases all the capital equipment used in the General, Transportation, Parks and Recreation, Water and Wastewater funds providing a consistent approach.

Water and Wastewater Enterprise Funds

Water and Wastewater Fund revenues were estimated upon community growth rates, as these revenues are largely driven by commercial and residential utility billings. Given that the City tracks its building permits (a proxy for new accounts), this revenue generally mirrors projected growth.

Parks and Recreation Funds

Park Fund equipment purchases are funded by the Capital Fund. This change provides a consistent approach to the funding of capital equipment in the General Fund and Special Revenue Fund.

Debt Financing

Fund debt financing is for projects that cannot be funded without a new revenue source. Possible funding sources for these projects will include General Obligation Bonds for large projects. Revenue Bonds such as the State Revolving Fund could be used for utility projects. Leasehold Revenue Bonds can be used for park development since there is now a Parks sales tax, which will provide a means to repay these types of bonds. In November 2019, the City issued \$36,925,000 of Certificates of Participation, Series 2019. The proceeds were used to pay the costs of acquiring, constructing, furnishing and equipping a new City-owned and operated Wentzville Community Center, park and infrastructure. Use of \$27,911,909 of those proceeds is planned for 2021. In March 2023, the City issued \$27,745,000 in Certificates of Participation for the new Public Works Facility. In 2024, the City plans to issue \$20,000,000 in bonds for identified Water projects.

American Rescue Plan Act Funding

As a result of COVID-19, the American Rescue Plan Act (“ARPA”) was signed into law on March 11, 2021 providing \$350 billion in additional funding for state and local governments. The City has eligible projects identified in this plan to utilize the City’s federal and state portion of these funds received.

CITYWIDE CAPITAL IMPROVEMENT PLAN SUMMARY

PROJECT						
Department	2024	2025	2026	2027	2028	Five Year Total
Administration	90,000	-	-	-	-	90,000
Law Enforcement	62,338	62,338	62,338	62,338	62,338	311,690
Parks and Recreation	1,344,627	1,735,289	2,161,235	1,953,899	2,255,052	9,450,102
Engineering	980,000	656,000	125,000	150,000	150,000	2,061,000
Public Works	8,400,000	800,000	400,000	400,000	400,000	10,400,000
Transportation	23,285,000	40,865,000	27,940,300	16,140,000	22,474,400	130,704,700
Water	14,077,000	5,255,000	6,843,000	434,000	400,000	27,009,000
Wastewater	7,809,800	3,366,800	564,000	2,154,000	4,779,000	18,673,600
TOTAL	56,048,765	52,740,427	38,095,873	21,294,237	30,520,790	198,700,092

EQUIPMENT						
Department	2024	2025	2026	2027	2028	Five Year Total
Administration	-	-	-	34,720	-	34,720
Economic Development	-	33,040	-	-	-	33,040
Information Technology	10,000	12,500	95,000	-	-	117,500
Community Development	32,200	125,080	33,880	34,720	-	225,880
Law Enforcement	2,178,548	1,151,709	1,138,709	1,263,709	1,163,709	6,896,384
Parks and Recreation	1,498,250	928,300	896,230	850,495	702,928	4,876,203
Engineering	165,600	33,040	128,260	168,640	263,680	759,220
Public Works	354,850	290,365	358,160	343,100	22,500	1,368,975
Transportation	110,000	36,000	160,500	218,000	38,000	562,500
Water	72,100	141,300	162,350	221,960	113,920	711,630
Wastewater	128,900	59,000	67,760	467,721	-	723,381
TOTAL	4,550,448	2,810,334	3,040,849	3,603,065	2,304,737	16,309,433

CITYWIDE CAPITAL IMPROVEMENT PLAN SUMMARY

TOTAL PROJECTS AND EQUIPMENT						
	2024	2025	2026	2027	2028	Five Year Total
TOTAL	60,599,213	55,550,761	41,136,722	24,897,302	32,825,527	215,009,525

FUNDING SUMMARY						
Source	2024	2025	2026	2027	2028	Five Year Total
Capital Fund	5,422,786	4,328,672	3,628,187	4,215,403	2,917,075	20,512,123
Park Fund	1,329,627	1,505,446	2,161,235	1,953,899	2,255,052	9,205,259
Dierbergs Contribution/Land Agreement	-	64,843	-	-	-	64,843
Recreation Trails Program Grant	-	150,000	-	-	-	150,000
Community Access Program Grant	15,000	15,000	-	-	-	30,000
Transportation Fund	11,023,968	11,140,492	8,490,300	7,905,000	8,749,400	47,309,160
St. Charles County	9,415,201	22,452,877	19,300,000	7,935,000	11,850,000	70,953,078
MoDOT	155,000	5,177,124	-	-	-	5,332,124
MoDOT Safety Funding	-	250,000	-	-	-	250,000
STP Funding	2,186,251	1,536,770	150,000	25,000	1,750,000	5,648,021
East-West Gateway TAP	428,080	-	-	100,000	100,000	628,080
CMAQ through EWGCOCG	76,500	307,737	-	175,000	25,000	584,237
Federal American Rescue Plan Act	5,875,000	-	-	-	-	5,875,000
Water Fund	(5,923,000)	5,255,000	6,843,000	434,000	400,000	7,009,000
Wastewater Fund	2,594,800	3,366,800	564,000	2,154,000	4,779,000	13,458,600
Certificate of Participation Issuance – Public Works	8,000,000	-	-	-	-	8,000,000
Bond Issue	20,000,000	-	-	-	-	20,000,000
TOTAL	60,599,213	55,550,761	41,136,722	24,897,302	32,825,527	215,009,525



Administration

ADMINISTRATION

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
HR/Procurement	HR and Procurement Office Relocations	90,000	-	-	-	-	90,000
Administration	Compact SUV	-	-	-	34,720	-	34,720
TOTAL		90,000	-	-	34,720	-	124,720

FUNDING SOURCE						
	2024	2025	2026	2027	2028	Five Year Total
Capital Fund	90,000	-	-	34,720	-	124,720
TOTAL	90,000	-	-	34,720	-	124,720

HR AND PROCUREMENT OFFICE RELOCATION

Fund: Capital

Department: Human Resources and Procurement

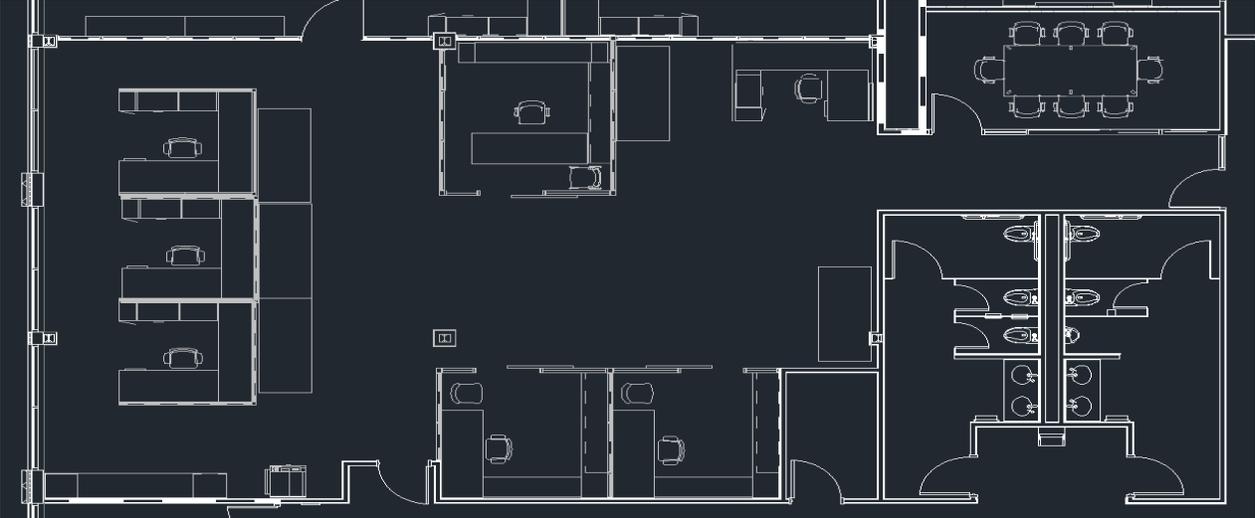
Location: City Hall

Project Cost: \$90,000 | **Outside Funding:** \$-0- | **City Cost:** \$90,000

Description and Justification: In order to accommodate the expanding roll or the Human Resources (HR) Department and planned staffing and functions in central space, it is proposed for HR to relocate to other areas of City Hall and shift those existing functions.

Anticipated Benefit: The relocation of HR will accommodate planned staffing levels and provide room for additional future growth. In addition, this will provide HR with a required private conference room for terminations, investigations, team meetings, counseling sessions, and new hire orientation. The existing HR offices will be reconfigured to accommodate other department’s functions.

New HR Location



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$90,000	\$90,000	-	-	-	-

COMPACT SUV

Fund: Capital

Department: Administration

Project Cost: \$34,720 | **Outside Funding:** \$-0- | **City Cost:** \$34,720

Description and Justification: Funding used to replace the 2016 Malibu used by Administration, Economic Development, Procurement, Finance, Community Relations, Human Resources, and other departments at City Hall for events, professional development travel, business development opportunities, and more.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$34,720	-	-	-	\$34,720	-



Economic Development

ECONOMIC DEVELOPMENT

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Economic Dev.	Compact SUV	-	33,040	-	-	-	33,040
TOTAL		-	33,040	-	-	-	33,040

FUNDING SOURCE						
	2024	2025	2026	2027	2028	Five Year Total
Capital Fund	-	33,040	-	-	-	33,040
TOTAL		-	33,040	-	-	33,040

COMPACT SUV

Fund: Capital

Department: Economic Development

Description and Justification: Replacement of vehicle due to age, mileage and ongoing maintenance costs. Replacement will improve reliability and safety, and will reduce the likelihood of repairs exceeding the vehicle’s value.

Anticipated Benefit: The replacement vehicle is capable of carrying out all necessary duties, but at a reduced initial purchase price and will lower annual operating costs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$33,040	-	\$33,040	-	-	-



Information Technology

INFORMATION TECHNOLOGY

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Finance	Incode Version 10	-	-	85,000	-	-	85,000
Court, Finance, Community Development	Copiers	10,000	12,500	10,000	-	-	32,500
TOTAL		10,000	12,500	95,000	-	-	117,500

FUNDING SOURCE							
	2024	2025	2026	2027	2028	Five Year Total	
Capital Fund	10,000	12,500	95,000	-	-	117,500	
TOTAL	10,000	12,500	95,000	-	-	117,500	

INCODE VERSION 10 UPGRADE

Fund: Capital

Department: Information Technology - Finance

Project Cost: \$85,000 | **Outside Funding:** \$-0- | **City Cost:** \$85,000

Description: The City currently operates on Incode Version 9 and will eventually need to upgrade to Version 10 as Version 9 will no longer be supported. Upon implementation, annual maintenance costs will remain including online utility and court payment support and server hosting.

Justification: Incode provides an integrated software solution to manage data efficiently and securely while keeping the City in compliance and providing a compatible platform for multiple departments’ needs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$85,000	-	-	\$85,000	-	-

COPIER

Fund: Capital

Department: Information Technology – Court, Community Development, Finance

Project Cost: \$32,500 | **Outside Funding:** \$-0- | **City Cost:** \$32,500

Description and Justification: Funds used to purchase replacement copiers that are nearing the end of life.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$32,500	\$10,000	\$12,500	\$10,000	-	-
	Court	Community Development	Finance		



Community Development

COMMUNITY DEVELOPMENT

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Building Inspection	1/2-Ton Crew Cab 4x4 Pickup Truck	-	59,000	-	-	-	59,000
Building Inspection and Planning & Zoning	Compact SUV	32,200	66,080	33,880	34,720	-	166,880
TOTAL		32,200	125,080	33,880	34,720	-	225,880

FUNDING SOURCE							
	2024	2025	2026	2027	2028	Five Year Total	
Capital Fund	32,200	125,080	33,880	34,720	-	225,880	
TOTAL	32,200	125,080	33,880	34,720	-	225,880	

VEHICLES

Fund: Capital

Department: Community Development – Building Inspection and Planning & Zoning

Description: Purchase of replacement vehicles.

Justification: Replacement of vehicles due to age, mileage and ongoing maintenance costs. Replacement will improve reliability and safety, and will reduce the likelihood of repairs exceeding the vehicles’ value.

Anticipated Benefit: The replacement vehicles are capable of carrying out all necessary duties, but at a reduced initial purchase price and will lower annual operating costs.

1/2-TON CREW CAB 4x4 PICKUP TRUCK – Building Inspection					
FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$59,000	-	\$59,000	-	-	-

COMPACT SUV					
FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$166,880	\$32,200	\$66,080	\$33,880	\$34,720	-
	Building Inspection	P&Z and Building Inspection – Qty. 2	Building Inspection	Building Inspection	



Law Enforcement

LAW ENFORCEMENT

PROJECT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Law Enforcement	Guaranteed Energy Savings Debt Service	62,338	62,338	62,338	62,338	62,338	311,690
TOTAL		62,338	62,338	62,338	62,338	62,338	311,690

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Law Enforcement	911 Maintenance	1,065,339	-	-	-	-	1,065,339
Law Enforcement	Drone and Sensors (2)	66,000	-	-	-	-	66,000
Law Enforcement	Jail Shower Enclosure	8,500	-	-	-	-	8,500
Law Enforcement	Long Gun Replacement	-	51,000	-	-	10,000	61,000
Law Enforcement	Copier	-	30,000	-	-	-	30,000
Law Enforcement	Water Heater	-	-	35,000	-	-	35,000
Law Enforcement	Firearms Simulator	-	-	-	125,000	-	125,000
Law Enforcement	Speed Monitor Devices	-	-	-	-	15,000	15,000
Law Enforcement	Static License Plate Reader Cameras	63,000	63,000	63,000	63,000	63,000	315,000
Law Enforcement	Axon Program	297,709	297,709	297,709	297,709	297,709	1,488,545
Law Enforcement	Emergency Warning Sirens	50,000	50,000	50,000	50,000	50,000	250,000
Law Enforcement	Patrol Vehicles and Equipment/Set-up	594,000	624,000	655,000	688,000	688,000	3,249,000
Law Enforcement	Motorcycle and Equipment/Set-Up (less trade-in)	34,000	36,000	38,000	40,000	40,000	188,000
TOTAL		2,178,548	1,151,709	1,138,709	1,263,709	1,163,709	6,896,384

LAW ENFORCEMENT

TOTAL PROJECTS AND EQUIPMENT						
	2024	2025	2026	2027	2028	Five Year Total
TOTAL	2,240,886	1,214,047	1,201,047	1,326,047	1,226,047	7,208,074

FUNDING SOURCE						
	2024	2025	2026	2027	2028	Five Year Total
Capital Fund	2,240,886	1,214,047	1,201,047	1,326,047	1,226,047	7,208,074
TOTAL	2,240,886	1,214,047	1,201,047	1,326,047	1,226,047	7,208,074

GUARANTEED ENERGY SAVINGS DEBT SERVICE

Fund: Capital
Department: Law Enforcement
Location: 1019 Schroeder Creek Boulevard

Project Cost: \$311,690 | **Outside Funding:** \$-0- | **City Cost:** \$311,690

Description and Justification: In order to assist public entities with capital planning and long-term building infrastructure improvements, the Missouri State Legislature passed legislation in 1997 on guaranteed energy cost savings contracts. These contracts can apply to any “governmental unit” meaning a state government agency, department, institution, college, university, all local political subdivisions such as counties, municipalities and public school districts, as well as special purpose districts. Guaranteed energy cost savings contracts provide an alternative procurement method that allows for municipalities to comprehensively address aging building infrastructure needs while reducing energy and operating costs, by leveraging annual guaranteed energy savings to assist with cash-flow financing the project. This procurement method minimizes the overall risk the City as the selected Energy Provider, Trane, will provide an annual shortfall check if actual savings from the project are less than the annual program cost as agreed upon contractually and required by statute. Typical improvements include HVAC replacement/upgrades/modifications, installation of building controls, lighting efficiency enhancements and tightening of the overall building envelope (roof, windows, doors, insulation). In history, the City has not replaced HVAC equipment on a revolving replacement schedule and rarely includes these large expenditures in the Five Year CIP. This program allows for a structured equipment replacement plan and allows for annual appropriations at a set amount.

Anticipated Benefit: Guaranteed energy cost savings contracts create an opportunity for municipalities to reduce annual energy and operating costs, while also providing a costs savings guarantee from the provider. Annual guaranteed energy savings for this project are project at \$23,479, increasing each year, and are due to building efficiency updates, new LED lighting, hi efficiency HVAC and building automation controls. Annual maintenance agreement /guarantee administrative costs are around \$15,000 - \$17,000 annually and renewable every five years.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$311,690	\$62,338	\$62,338	\$62,338	\$62,338	\$62,338

911 MAINTENANCE

Fund: Capital

Department: Law Enforcement

Project Cost: \$1,065,339 | **Outside Funding:** \$-0- | **City Cost:** \$1,065,339

Description: Annual maintenance contract for the Next Generation Enhanced 911 system.

Justification: Annual maintenance for the seven-year contract agreement of the Next Generation Enhanced 911 system.

Anticipated Benefit: Greater ability for 911 services to the citizens of our community. This includes GPS mapping, texting and photo submission to the 911 centers.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$1,065,339	\$1,065,339	-	-	-	-

DRONES AND SENSORS

Fund: Capital

Department: Law Enforcement

Project Cost: \$66,000 | **Outside Funding:** \$-0- | **City Cost:** \$66,000

Description and Justification: Replacement of two existing drones and sensors.

Anticipated Benefit: Replacement of equipment to maintain the functionality and efficiency of the drone program.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$66,000	\$66,000	-	-	-	-
	Qty. 2				

JAIL SHOWER ENCLOSURE

Fund: Capital

Department: Law Enforcement

Project Cost: \$8,500 | **Outside Funding:** \$-0- | **City Cost:** \$8,500

Description and Justification: Funds used to replace men’s shower enclosure in the jail as it is deteriorating from age.

Anticipated Benefit: The replacement will create a safe environment for prisoners while showering.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$8,500	\$8,500	-	-	-	-

LONG GUN REPLACEMENT

Fund: Capital

Department: Law Enforcement

Project Cost: \$61,000 | **Outside Funding:** \$-0- | **City Cost:** \$61,000

Description and Justification: The Police Department’s weapons have a life expectancy and suffer wear from use during training and daily use by police officers. While the weapons are cared for and maintained, replacement should be planned for. This request includes the transition of 20 shotguns and 33 rifles as well as four lethal shotguns.

Anticipated Benefit: Better equipped officers will provide a safer City for the citizens.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$61,000	-	\$51,000	-	-	\$10,000

COPIER

Fund: Capital
Department: Law Enforcement

Project Cost: \$30,000 | **Outside Funding:** \$-0- | **City Cost:** \$30,000

Description and Justification: Replacement of a 14-year-old copier that the Records Department utilizes.

Anticipated Benefit: Newer copiers produce better quality prints and faster service when making copies and scanning while providing for citizens and staff.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$30,000	-	\$30,000	-	-	-

WATER HEATER

Fund: Capital
Department: Law Enforcement

Project Cost: \$35,000 | **Outside Funding:** \$-0- | **City Cost:** \$35,000

Description and Justification: Replacement of the water heater at the Law Enforcement Center as it is will be reaching end of life.

Anticipated Benefit: The current water heater at the Law Enforcement Center will reach end of life cycle/industry standard and will need to be replaced.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
354,000	-	-	\$35,000	-	-

FIREARMS SIMULATOR

Fund: Capital

Department: Law Enforcement

Project Cost: \$125,000 | **Outside Funding:** \$-0- | **City Cost:** \$125,000

Description and Justification: The life expectancy of the Police Department’s current firearms training simulator is approximately 8 to 10 years. The Police Department is requesting to upgrade to the next level simulator, the FATS 300 immersive virtual training system. The opportunities for enhanced training like this meet a standard in law enforcement in teaching officers de-escalation techniques and prepares them to meet and overcome deadly force situations.

Anticipated Benefit: Better trained and prepared officers while significantly reducing liability to the City.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$125,000	-	-	-	\$125,000	-

SPEED MONITOR DEVICE

Fund: Capital

Department: Law Enforcement

Project Cost: \$15,000 | **Outside Funding:** \$-0- | **City Cost:** \$15,000

Description and Justification: The purchase of a speed spy and a message trailer to help investigate complaints of speeders within the subdivisions. The department receives numerous traffic complaints and these devices will allow for faster response times.

Anticipated Benefit: This speed spy and trailer would allow for static radar documenting of vehicle speed data. The trailer also has the ability to post messages, such as “Traffic Ahead,” “Stop Ahead,” etc. to warn drivers of upcoming events.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$15,000	-	-	-	-	\$15,000

STATIC LICENSE PLATE READER CAMERAS

Fund: Capital

Department: Law Enforcement

Project Cost: \$315,000 | **Outside Funding:** \$-0- | **City Cost:** \$315,000

Description and Justification: Expansion to the current static license plate reader cameras located throughout the city. These cameras allow for detecting stolen vehicles and license plates. The city is currently in possession of 15 and is looking to purchase three.

Anticipated Benefit: These cameras help with finding stolen vehicles and/or license plates as they are strategically placed throughout the city and will alarm the officers when they are in the area. This will help increase safety to the citizens of Wentzville by locating the suspects quickly.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$315,000	\$63,000	\$63,000	\$63,000	\$63,000	\$63,000

AXON PROGRAM

Fund: Capital

Department: Law Enforcement

Location: 1019 Schroeder Creek Blvd.

Project Cost: \$1,488,545 | **Outside Funding:** \$-0- | **City Cost:** \$1,488,545

Description and Justification: This program includes a 10-year agreement for body cameras, tasers, and software. The existing components include tasers, body cameras, docks, Fleet 3, Fotokite, Evidence.com, and third-party unlimited device storage. The package includes Axon Respond+ for devices with the abilities to send help when needed, maintain visibility with alerts, live maps, and streaming, and quickly access and share information as it emerges. Other components include the redaction assistant, Axon Auto-Transcribe, Axon Investigate, Axon Air (drones), Axon Fleet 3 integrated in-car video, and other benefits like streamlining of reporting, ability to share information across departments, digital evidence, and automated workflows.

Anticipated Benefit: Health and safety and the program allows the Police Department to keep current with the rapidly changing advances in technology associated with this equipment to minimize the impacts on the budget should this system require unexpected purchases.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$1,488,545	\$297,709	\$297,709	\$297,709	\$297,709	\$297,709

EMERGENCY WARNING SIRENS

Fund: Capital

Department: Law Enforcement

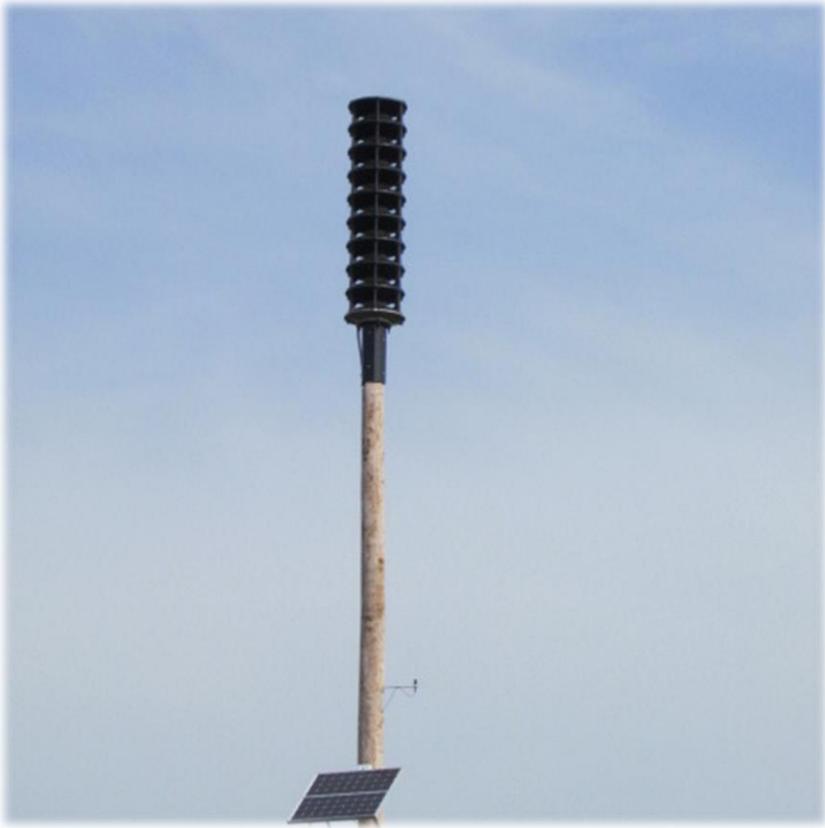
Location: 1019 Schroeder Creek Blvd.

Project Cost: \$250,000 | **Outside Funding:** \$-0- | **City Cost:** \$250,000

Description: The City will purchase and install emergency weather warning sirens to serve an expanding geographic population, as well as replacing those due to age.

Justification: City expansion and/or aging sirens.

Anticipated Benefit: Safety and liability.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$250,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000

PATROL VEHICLES AND EQUIPMENT/SET-UP

Fund: Capital
Department: Law Enforcement
Location: 1019 Schroeder Creek Blvd.

Description and Justification: With the growth of the department, the increased demands on the department as evidenced by the dramatic increase of calls for service, there is a need to increase the number of vehicles in the fleet. The department budgeted to increase the fleet replacements from five to nine along with the associated equipment to outfit them. The breakdown of the purchase will be eight four-wheel drive pursuit rated SUVs and one non-pursuit rated sedan.

Anticipated Benefit: Reduced liability, less maintenance and repair costs and safety of officers and residents. In addition, a well working fleet of police vehicles including four-wheel drive vehicles allows officers to respond to calls for services and to conduct proactive policing in all types of weather.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$3,249,000	\$594,000	\$624,000	\$655,000	\$688,000	\$688,000

MOTORCYCLE					
FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$188,000	\$34,000	\$36,000	\$38,000	\$40,000	\$40,000





Parks and Recreation

PARKS & RECREATION

PROJECT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Maintenance	Heartland Park Boardwalk Improvements	350,298	-	-	-	-	350,298
Maintenance	Progress Park Playground Resurfacing	117,731	-	-	-	-	117,731
Maintenance	Fishing Dock at Heartland Park	84,175	-	-	-	-	84,175
Maintenance	Heartland Park Playground Fence Replacement	80,500	-	-	-	-	80,500
Maintenance	Maintenance Shed Build Out – Phase II	25,000	25,000	-	-	-	50,000
WREC	Holiday Decorations	10,000	20,000	-	-	-	30,000
Administration	Land Acquisition Payback	385,548	385,548	385,548	385,548	385,548	1,927,740
Maintenance	Public Park Facility Improvements	69,500	75,000	95,000	95,000	95,000	429,500
Maintenance	Parking Lots and Trails	123,875	64,167	58,591	64,166	70,079	380,878
Maintenance	Public Park Outdoor Improvements	53,000	53,000	87,125	87,125	87,125	367,375
Maintenance	Heartland Park Trail Extension	-	486,486	-	-	-	486,486
Maintenance	Fireman’s Park Renovations – Phase III	-	453,250	-	-	-	453,250
Maintenance	Fireman’s Park Renovations – Phases IV-VI	-	-	323,750	388,500	168,350	880,600
Maintenance	Lighted Aeration Fountain at Heartland Park	-	87,413	-	-	-	87,413
Ice Arena	HVAC Upgrade/Renovation	-	85,425	-	93,075	-	178,500
Maintenance	Synthetic Surfacing at Heartland Park Fields 1 and 2	-	-	555,555	-	582,750	1,138,305
Maintenance	Big Creek Phase II and III	-	-	174,866	323,750	-	498,616
Administration	Reserve for Park Land Acquisition	-	-	200,000	200,000	200,000	600,000
Ice Arena	Ice Arena Flooring Replacement	-	-	105,800	-	-	105,800
Ice Arena	Ice Arena East Parking Lot and Stormwater Drainage	-	-	-	194,250	-	194,250
Horticulture & For	Greenhouse	-	-	-	65,505	-	65,505
Maintenance	Kolb Building – Phase II	-	-	-	56,980	388,500	445,480
Maintenance	Rotary Park Pavilion Replacement	-	-	-	-	187,500	187,500
Ice Arena	Detention Basin	-	-	-	-	51,000	51,000
Maintenance	Irrigation and Turf Fields at William Allen Park	-	-	-	-	39,200	39,200

PARKS & RECREATION

PROJECT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Parks & Recreation Funded Equipment:							
Ice Arena	Ice Resurfacer	-	-	130,000	-	-	130,000
Ice Arena	Ammonia Chiller Compressor	45,000	-	45,000	-	-	90,000
TOTAL		1,344,627	1,735,289	2,161,235	1,953,899	2,255,052	9,450,102

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Capital Funded Projects:							
Administration	Green Lantern Renovation	750,000	-	-	-	-	750,000
Maintenance	Special Event Venue in Rotary Park	259,000	518,000	518,000	388,500	-	1,683,500
Ice Arena	Ice Arena Debt Service	100,000	100,000	100,000	100,000	100,000	500,000
Maintenance	ADA Sidewalk Replacement	-	25,000	-	29,385	-	54,385
Horticulture & For	Zero-Turn Mowers	28,000	14,000	-	-	14,000	56,000
Maintenance	Mini-Excavator	75,000	-	-	-	-	75,000
Horticulture & For	Skid Loader	75,000	-	-	-	-	75,000
Maintenance	1-Ton 4x4 Crew Cab Utility Bed and Power Inverter	74,750	-	-	-	-	74,750
Administration	1/2-Ton 4x4 Extended Cab	40,250	-	-	-	-	40,250
Horticulture & For	Stump Grinder Attachment	25,000	-	-	-	-	25,000
Horticulture & For	Chipper Body Attachment	14,000	-	-	-	-	14,000
Admin/Recreation	AWD Crossover	40,250	82,600	-	-	-	122,850
Horticulture & For	Utility Tractor	-	65,000	-	-	-	65,000
Horticulture & For	Air Compressor	-	28,000	-	-	-	28,000

PARKS & RECREATION

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Horticulture & For	Articulating Slope Mower	-	25,000	-	-	-	25,000
Horticulture & For	Compact Utility Tractor	-	18,700	-	-	-	18,700
Horticulture & For	Turf Sprayer	-	20,000	-	-	-	20,000
Horticulture & For	Utility Vehicle	-	15,000	-	-	-	15,000
Recreation	Light-Duty Pickup Truck	-	-	38,720	-	-	38,720
Horticulture & For	Stump Grinder	-	-	50,000	-	-	50,000
Administration	1/2-Ton 4x4 Pickup Truck	-	-	72,600	-	-	72,600
Horticulture & For	4x4 Sports Field Turf Utility Vehicle	-	-	45,000	-	-	45,000
Administration	4-Door Sedan Car	-	-	25,410	-	-	25,410
Horticulture & For	6x4 Turf Utility Vehicle	-	-	15,000	-	-	15,000
Horticulture & For	Bunker Rake/Groomer	-	-	14,500	-	-	14,500
Horticulture & For.	Autonomous Mowers	-	-	-	141,240	-	141,240
Maintenance	One-Ton Pickup Truck with Extended Cab	-	-	-	71,920	-	71,920
Horticulture & For	Compost Turner	-	-	-	27,000	-	27,000
Horticulture & For	Compact 4x4 Utility Tractor	-	-	-	25,000	-	25,000
Horticulture & For	Deep Tine Aerator	-	-	-	18,000	-	18,000
Horticulture & For	Turbine Blower	-	-	-	13,000	-	13,000
Recreation	Ventless Fryer	-	-	-	10,450	-	10,450
Horticulture & For	48" Walk-Behind Mower	-	-	-	9,000	-	9,000
Horticulture & For	Turf and Sidewalk Sweeper	-	-	-	-	80,000	80,000
Horticulture & For	Single-Axle 4x4 Truck	-	-	-	-	100,288	100,288
Maintenance	Telescopic Articulating Work Platform	-	-	-	-	55,000	55,000
Horticulture & For	3/4-Ton 4x4 Crew Cab w/ Utility Bed and Power Inverter	-	-	-	-	70,400	70,400
Recreation	12-Passenger Van	-	-	-	-	53,760	53,760
Horticulture & For	3/4-Ton 4x4 Crew Cab	-	-	-	-	52,480	52,480

PARKS & RECREATION

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Horticulture & For	Mulcher Attachment for Skid Steer	-	-	-	-	40,000	40,000
Administration	Mid-Size SUV	-	-	-	-	39,000	39,000
Horticulture & For	Compact Utility Tractor with Enclosed Cab	-	-	-	-	35,000	35,000
Horticulture & For	Turf Seeder	-	-	-	-	18,000	18,000
Recreation	Soft Serve Ice Cream Machine with Flavor Burst	-	-	-	-	9,000	9,000
Horticulture & For	18' Landscaping Trailer	-	-	-	-	8,500	8,500
Horticulture & For	Vicon Spreader	-	-	-	-	5,500	5,500
Horticulture & For	Turf Stripper	-	-	-	-	5,000	5,000
Recreation	Holiday Lights Display	17,000	17,000	17,000	17,000	17,000	85,000
TOTAL		1,498,250	928,300	896,230	850,495	702,928	4,876,203

TOTAL PROJECTS AND EQUIPMENT							
	2024	2025	2026	2027	2028	Five Year Total	
TOTAL	2,842,877	2,663,589	3,057,465	2,804,394	2,957,980	14,326,305	

FUNDING SOURCE							
	2024	2025	2026	2027	2028	Five Year Total	
Capital Fund	1,498,250	928,300	896,230	850,495	702,928	4,876,203	
Park Fund	1,329,627	1,505,446	2,161,235	1,953,899	2,255,052	9,205,259	
Dierbergs Contribution/Land Agreement from 2005	-	64,843	-	-	-	64,843	
Recreation Trails Program Grant	-	150,000	-	-	-	150,000	
Community Access Program Grant	15,000	15,000	-	-	-	30,000	
TOTAL	2,842,877	2,663,589	3,057,465	2,804,394	2,957,980	14,326,305	

HEARTLAND PARK BOARDWALK IMPROVEMENTS

Fund: Parks & Recreation
Department: Maintenance
Location: Heartland Park

Project Cost: \$350,298 | **Outside Funding:** \$-0- | **City Cost:** \$350,298

Description and Justification: Funds will be used to redesign and reconstruct the necessary support beams to replace treated 2x12s that are failing on the boardwalks at Heartland Park. The solution is to replace the 2x12s with steel beams which will provide a longer lasting substructure to secure the deck to. It is unclear as to why current treated 2x12s are failing but there are significant safety issues that need to be addressed.

Anticipated Benefit to the City: Addresses developing safety issues and ensures structural integrity of the existing boardwalks.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$350,298	\$350,298	-	-	-	-

PROGRESS PARK PLAYGROUND RESURFACING

Fund: Parks & Recreation
Department: Maintenance
Location:Progress Park

Project Cost: \$117,731 | **Outside Funding:** \$-0- | **City Cost:** \$117,731

Description and Justification: The Progress Park playground safety surface is nearing the end of its life expectancy and will need to be replaced. The playground surfacing is deteriorating which jeopardizes its ability to absorb falls/impacts as it did when it was new and there are gaps related to contraction around the edges which limit the surface’s ability to comply with ADA accessibility guidelines. The total square footage of the playground surfacing that will need to be replaced is 5,250 sq. ft. and cost per sq. ft. is around \$15 per sq. ft.

Anticipated Benefit to the City: The benefit to making this improvement is that it will ensure user safety and it may prevent any future claims that could arise from injuries or ADA compliance issues. The playground surfacing was designed to prevent injuries that occur from falls on playgrounds. It is the responsibility of the owner to ensure that all playground safety surfaces/playgrounds are kept to NPSI standards. All playground surfacing must also be compliant with ADA standards for accessibility across all surfacing. As seen from the pictures, the surfacing is deteriorating and may be a hazard if not addressed soon.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$117,731	\$117,731	-	-	-	-

FISHING DOCK

Fund: Parks & Recreation
Department: Maintenance
Location: Heartland Park

Project Cost: \$84,175 | **Outside Funding:** \$15,000 | **City Cost:** \$69,175
 Community Access Program Grant through Missouri Department of Conservation - \$15,000

Description and Justification: Funds will be used to design, purchase and install a floating fishing dock system at Heartland Park Lake. This project is eligible for CAP grant funding through the Missouri Department of Conservation.

Stocked lakes obviously attract larger numbers of fishing enthusiasts and Heartland Lake is no exception. The Missouri Department of Conservation has been stocking Heartland Lake since 2015 as part of the Community Assistance Program and the lake has a healthy fish population. As part of constructing the park, the lake’s shoreline was seeded with a native mix of plants and as they have gotten established, they obstruct access to the lake making fishing somewhat challenging. City staff does not mow the water’s edge as is done in Rotary Park because there is an increased emphasis on preventing the establishment of a permanent population of Canadian Geese.

Staff is proposing to purchase and install a floating dock/pier with a 40' long by 6' wide runway which leads to a 12'x32' platform with railings.

Anticipated Benefit to the City: Installing a floating dock allows the anglers to access the water better and it provides another structure to aid the growth and health of the fish population. The City is also able to maintain the current vegetative buffer and prevents the introduction of goose excrement to the ballfields and walkways located in the park.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$84,175	\$84,175	-	-	-	-
CAP Grant	\$15,000	-	-	-	-

HEARTLAND PARK PLAYGROUND FENCE REPLACEMENT

Fund: Parks & Recreation
Department: Maintenance
Location: Heartland Park

Project Cost: \$80,500 | **Outside Funding:** \$-0- | **City Cost:** \$80,500

Description and Justification: Funds will be used to purchase and install new higher-grade fencing for the Jake's Field of Dreams Playground. The current product was donated, and it is of a lower quality residential fence which has not held up well to the wear and tear that this playground receives from public use of the facility.

Anticipated Benefit to the City: These improvements will enhance to overall appearance of the facility and reduce ongoing maintenance needs.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$80,500	\$80,500	-	-	-	-

MAINTENANCE SHED BUILD OUT – PHASE II

Fund: Parks & Recreation
Department: Maintenance
Location: Peruque Valley Park

Project Cost: \$75,000 | **Outside Funding:** \$-0- | **City Cost:** \$75,000

Description and Justification: With these funds, staff plans to continue finishing the inside of the Peruque Valley Park maintenance shed. Only the shell of the building was built in 2018. The build out includes everything from plumbing, electrical, flooring, walls, drywall and HVAC of the offices and restrooms of the building so that staff can start working out of the building. The first phase of the buildout (staff areas – offices, restrooms, breakroom and associated HVAC is anticipated to be completed in 2019. Phase II of this project the completion of a portion of the shop area including all concrete, plumbing, electrical and building materials for a secured chemical storage bay, tool crib, and equipment maintenance area. Phase III of the project will include the concrete, plumbing, electrical, and guard rail for the balance of the shop area. Phase IV is the lighting, overhead fans and radiant heat system for the shop area. Phase V is effectively a catch all project to wrap up any unfinished part of the interior buildout, install exterior walkways, building security features, patron parking, and a covered wash bay.

Anticipated Benefit to the City: Staff is self-performing this work and these costs are material only expenses and, therefore, the City is saving approximately 60-75% of the cost of having a contractor perform this work. Currently, staff has to drive back and forth with tools and equipment to Progress Park and Peruque Valley Park. With the completion of the maintenance shed, the number of trips between the two parks will be reduced, which will result in a reduction of fuel consumption for the department and the City.

In 2021, the Capital Fund will transfer \$100,000 from reserves to the Park Fund to fund a portion of the build out. Beginning in 2022, the \$100,000 from the reserve will be fully restored and paid back by the Park fund by 2025 in which transfers of \$25,000 will be completed annually.

FUNDING SCHEDULE – PAY BACK TO CAPITAL FUND						
Total	PRIOR	2024	2025	2026	2027	2028
\$75,000	\$25,000	\$25,000	\$25,000	-	-	-

WREC HOLIDAY DECORATIONS

Fund: Parks & Recreation

Department: WREC

Project Cost: \$30,000 | **Outside Funding:** \$-0- | **City Cost:** \$30,000

Description and Justification: Funds will be used to acquire holiday decorations at the WREC including: relocation of a spruce tree from the LEC to the WREC, interior and exterior lights, large hanging ornaments for the lobby, artificial trees, and banners and light-up decorations for light poles.

Anticipated Benefit to the City: This will provide for a festive and joyful atmosphere during the holiday season.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$30,000	\$10,000	\$20,000	-	-	-

LAND ACQUISITION PAYBACK

Description and Justification: In 2022, the General Fund transferred a total of \$6,835,960 from reserves to the Park Fund. \$4,985,960 from reserves to fund the acquisition of land located north of Rotary Park that will connect to Scotti Road to be used for Park land. \$1,850,000 from reserves to fund the acquisition of land located west of Rotary Park and north of West Meyer Road to be used for Park land. In 2023, the General Fund transferred a total of \$875,000 from reserves to the Park Fund to fund the acquisition of land located north of Rotary Park and south of Scotti Road. Beginning in 2024, the Park Fund will transfer \$385,548 annually for 20 years to fully restore and pay back the General fund by 2043.

FUNDING SCHEDULE - PAY BACK TO CAPITAL FUND							
Total	PRIOR	2024	2025	2026	2027	2028	FUTURE
\$7,710,960	\$341,798	\$385,548	\$385,548	\$385,548	\$385,548	\$385,548	\$5,441,422

PUBLIC PARK FACILITY IMPROVEMENTS

Fund: Parks & Recreation

Department: Maintenance

Location: Citywide

Project Cost: \$429,500 | **Outside Funding:** \$-0- | **City Cost:** \$429,500

Description: Funds used to:

1. Repair or replace unscheduled mechanical failures such as air conditioners, furnaces, boilers, etc.
2. Repair or replace unanticipated infrastructure deficiencies or structural failures such as roof leaks, electrical, storm/sanitary sewer, plumbing, etc.
3. Perform needed construction/renovation projects in a timely fashion.
4. Improve overall efficiency of an operation or facility.
5. Replace equipment that has been lost to theft or unexpected malfunction and replacement/repair.
6. Add, replace or enhance security measures at any of the indoor facilities.

Identified projects include:

2024: Ice Arena storefront door replacement (\$25,000); Ice Arena office reno and work stations (\$17,000); restroom/epoxy/LED/partitions/fixtures at Progress Park Pool (\$7,500); emergency contingency (\$20,000)

2025: Replace chiller holder tank/re-line at the Ice Arena (\$20,000); Replace warming loop coil in snow pit at the Ice Arena (\$35,000); emergency contingency (\$20,000)

Justification: These project funds are exclusively to be used for work related to enclosed building structures. There are a number of smaller projects that get submitted every year that if completed when the issue begins rather than waiting until the problem reaches a critical stage will result in future cost savings. The problem is that these types of projects are always dropped during the budget process to focus resources on issues that have already reached the critical phase and the department never has an opportunity to catch up. It is proposed that system be developed to address these issues while they are still in their “infancy.”

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$429,500	\$69,500	\$75,000	\$95,000	\$95,000	\$95,000

PARKING LOTS AND TRAILS

Fund: Parks & Recreation
Department: Maintenance
Location: Citywide

Project Cost: \$380,878 | **Outside Funding:** \$-0- | **City Cost:** \$380,878

Description and Justification: Funds used to implement a preventative maintenance and repair program for asphalt parking lots and trails within the Parks system. The funds would also be used to add or replace asphalt in places where needed such as short connections, turn radii, additional parking, erosion points, or park entrances. Current projects under consideration are:

- **2024:** Phase II – Fireman’s Park: design/construct/expand west parking lot
- **2025:** Paving of existing gravel trails at Peruque Valley Park
- **Pending Projects:**
 - Parking lot extension at Rotary Park/west of Kolb Building
 - Full depth repair bad spots and overlay the West parking lot at the Ice Arena (to be coordinated w road extension)
 - Crack Seal and Top Coat, perhaps some spot repairs to the base are needed as well as a complete overlay for the big Lot in Memorial Park
 - Spot repairs at Rotary Park from Fire House to Bleachers and add additional shoulder to improve turn radius at lower loop
 - Replace pervious asphalt at Heartland Park
 - Connection from South parking area to ballfields at Memorial Park

The overall condition of the asphalted areas in the City Park System is rated at fair but there is an increasing need to catch up on the maintenance side. With the increasingly difficult budget challenges that we are facing, it is recommended that a review of the current service levels and the related revenues is completed to establish a baseline for establishing a long-term maintenance program of asphalt surfaces consist with what is being done on City streets. There are also some areas where it should be considered to add a short connection or a few extra parking spaces and these funds would allow it. There are also some areas in the park system where short connections or a few extra parking spaces it should be considered to add a short connection or a few extra parking spaces meet ADA or maintenance standards and these funds would allow it.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$380,878	\$123,875	\$64,167	\$58,591	\$64,166	\$70,079

PUBLIC PARK OUTDOOR IMPROVEMENTS

Fund: Parks & Recreation
Department: Maintenance
Location: Citywide

Project Cost: \$367,375 | **Outside Funding:** \$-0- | **City Cost:** \$367,375

Description and Justification: Funds will be used to address unanticipated structural deficiencies or failures to outdoor or non-enclosed building related infrastructure (pavilions included in this category) such as:

1. Make unscheduled repairs to individual pieces of playground equipment and, eventually, to install new amenities.
2. Repair, replace or enhance faulty or defective infrastructure such as irrigation systems, aeration fountains, boardwalks, lighting or plumbing systems, etc.
3. Repair or replace structural deficiencies in outdoor infrastructure such as foot bridges, signs, stairs, drinking fountains, backstops, outfield fences, batting cages, scoreboards, pavilions, etc.
4. Perform needed construction/renovation projects in a timely fashion.
5. Improve overall efficiency of an operation or facility or enhance outdoor facilities with adding small improvements

Projects that are currently under consideration for this funding source are:

2024: entrance sign at Progress Park (\$18,000); motorized security gate at Peruque Valley Park (\$10,000); security lighting and cameras at amphitheater (\$25,000)

2025: LED light fixtures at Rotary Park lower field (\$5,000); new bollard/cabling system at Rotary Park lower field (\$25,000); irrigation system at William Allen Park (\$23,000)

Anticipated Benefit to the City: There are a number of smaller projects that get submitted every year that if completed when the issue begins rather than wait until the problem reaches a critical stage will result in future cost savings. The problem is that these types of projects are always dropped during the budget process to focus resources on issues that have already reached the critical phase and we never have an opportunity to catch up. It is proposed that a system be developed to address these issues while they are still in their "infancy".

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$367,375	\$53,000	\$53,000	\$87,125	\$87,125	\$87,125

HEARTLAND PARK TRAIL EXTENSION

Fund: Parks & Recreation

Department: Maintenance

Location: Heartland Park

Project Cost: \$486,486 | **Outside Funding:** \$214,843 | **City Cost:** \$271,643

Dierberg’s Contribution/Land Agreement from 2005 - \$64,843

Recreation Trails Program Grant - \$150,000

Description and Justification: This funding would be used to design, plan, phase and implement improvements to the City’s Hike and Bike Trail System in accordance with the City’s Trail Master Plan. Projects specifically identified for this funding include:

1. Match funds for recreation trails program, land water conservation fund and transportation enhancement grant programs.
2. Design an additional loop to internal trail system Heartland Park extending south across the tributaries and along the lake to Schroeder Creek Blvd.
3. Fund land acquisition for a trailhead at the southeast corner of the park.
4. Incorporate uniform trail signage along the sections of existing trails.

Anticipated Benefit to the City: Feedback received from residents during the last Park Master Planning Process indicated that 60% (highest number for this category) of the respondents were "Very Supportive" and another 30% were "Somewhat Supportive" of Maintaining/Repairing our existing Parks, Shelters, Facilities, etc. Only 3% were "Not Supportive" and 8% "Don't Know". When asked what "Actions the Respondents would be most willing to support with their tax dollars", 34% of the respondents placed Maintenance of Existing Park, Shelters and Facilities as their 1st, 2nd or 3rd Choice - again, the highest total in this category.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$486,486	-	\$486,486	-	-	-
Dierberg’s	-	\$64,843	-	-	-
Grant	-	\$150,000	-	-	-

FIREMAN’S PARK RENOVATIONS – PHASE III

Fund: Parks & Recreation
Department: Maintenance
Location: Fireman’s Park

Project Cost: \$453,250 | **Outside Funding:** \$-0- | **City Cost:** \$453,250

Description and Justification: Funds will be used to hire a consultant to design a restroom/pavilion at the Fireman’s Park Complex. This facility is expected to be less than 1,000 square feet in size and will have both restrooms and a shade structure. Fireman's Park is the oldest park in the City's Park system with parts of it dating back prior to the 1950’s.

Anticipated Benefit to the City: This facility hosts nearly 150-night worth of activities each year and the facility does not convey a message of the City taking pride in or is maintaining its facilities as residents expect. Fireman's Park is the oldest park in the City's Park system and the park is in need of updates to the facilities. With the addition of the new pickleball courts, the park is in need of a newer concession stand and outdoor restrooms.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$453,250	-	\$453,250	-	-	-

FIREMAN’S PARK RENOVATIONS – PHASES IV-VI

Fund: Parks & Recreation
Department: Maintenance
Location: Fireman’s Park

Project Cost: \$880,600 | **Outside Funding:** \$-0- | **City Cost:** \$880,600

Description and Justification: Funds will be used to design and install the next approved phase of the Fireman’s Park renovation. Phase IV may include the design and construction of the ballfields and additional pickleball courts in the Fireman’s Park Complex. This component will be comprised of 2-3 youth-sized baseball/softball fields, additional pickleball courts, and related shade structures, seating, and amenities. The master plan for Fireman’s Park calls for a number of amenities that have been divided into the following phases:

- **Phase IV:** ballfields, backstops, fencing, concourse with additional pickleball courts, shade structures, seating, and related amenities.
- **Phase V:** creative playground, shade structures, trails, and a passive area with native plantings.
- **Phase VI:** lighting of the pickleball courts and parking areas and tree plantings.
- **Future:** remodel of existing buildings for maintenance sheds.

Anticipated Benefit to the City: Fireman’s Park is the oldest park in the City’s Park system with parts of it dating back prior to the 1950’s. Renovating an older park can bring the following anticipated benefits to the City: enhanced quality of life, increased community engagement, economic development, improved environmental sustainability, promotion of health and fitness, educational and cultural opportunities, and increased safety and security.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$880,600	-	-	\$323,750	\$388,500	\$168,350

LIGHTED AERATION FOUNTAIN

Fund: Parks & Recreation
Department: Maintenance
Location: Heartland Park

Project Cost: \$87,413 | **Outside Funding:** \$15,000 | **City Cost:** \$72,413
 Community Access Program Grant through Missouri Department of Conservation - \$15,000

Description and Justification: Funds will be used to design, purchase and install lighted water fountains in the lake/pond at Heartland Park. This project may be eligible for CAP grant funds through the Missouri Department of Conservation.

Fishing and water aeration was never addressed in the design or construction of Heartland Park. This lack of planning has led to a few small fish kill events over the years since this park was built. These events are attributed to algae blooms that occur during times of high-water temperatures and lack of water circulation. Staff is proposing to address the causes by adding artificial circulation and ensure proper aeration of the lake. This is essential to ensure the water does not become stagnant in hot summer months. Additionally, the preventative maintenance for the lake will also require treating the lake with a variety of chemicals and some of these chemicals require adequate oxygen prevent algae growth and prevent fish kills.

Staff is proposing to install one large floating fountain capable of creating a 50' tall by 30' wide spray with lights and two smaller fountains with lights. This will likely create a unique landmark being highly visible at night for drivers on Schroeder Creek Blvd. and William Dierberg Drive.

Anticipated Benefit to the City: The introduction of a floating fountain accomplishes a number of positive outcomes. First, it provides an interesting water feature that will be quite impressive and may be an attraction to visitors. Additionally, it assists with the overall water quality by aiding in the aeration process which helps with the chemical treatment process necessary with this type of lake. It also creates an agitation process which speeds up the decay process in the sludge layers of a lake/pond.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$87,413	-	\$87,413	-	-	-
CAP Grant	-	\$15,000	-	-	-

ICE ARENA HVAC UPGRADE/RENOVATION

Fund: Parks & Recreation

Department: Ice Arena

Project Cost: \$178,500 | **Outside Funding:** \$-0- | **City Cost:** \$178,500

Description and Justification: Funds will be used to renovate and upgrade the current HVAC system at the Wentzville Ice Arena. The majority of the mechanical systems are original to the facility and are nearing the end of their estimated service life. This facility was constructed in 1998 and the HVAC units are approximately 24 years old with an estimated useful service life be around 25 years. When the work is completed, the work will include upgrading the HVAC systems to high efficiency units and connecting them to the Parks and Recreation Department's Building Automation System (BAS) to allow for improved monitoring and response times associated with maintaining these units. A BAS is a network designed to connect and automate certain functions inside a building. All of the building control systems, from lighting and HVAC (Heating, Ventilation & Air Conditioning) to fire and security systems—all wired through one set of controls.

This will be completed in three phases; first phase: three south RTU's plus BAS System; second phase: one south and two middle RTU, and third phase: three north units.

Anticipated Benefit to the City: With the purchase of the Ice Arena, staff will be completing maintenance that has been neglected by previous staff. With the replacement of the current system, staff will reduce costly future repairs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$178,500	-	\$85,425	-	\$93,075	-

SYNTHETIC SURFACING – FIELDS 1 AND 2

Fund: Parks & Recreation
Department: Maintenance
Location: Heartland Park

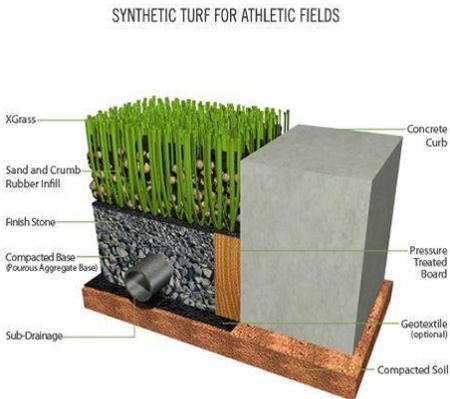
Project Cost: \$1,138,305 | **Outside Funding:** \$-0- | **City Cost:** \$1,138,305

Description and Justification: Funds will be used to remove and replace synthetic surfacing on Fields #1 (2024) and #2 (2026) at Heartland Park. These surfaces were installed in 2014 and are approaching the end of their product life cycle.

Because these synthetic surfaces are still somewhat new to the market and the preventative maintenance that they receive is different from one organization to the next, it is unclear how often this surfacing should be replaced. Staff has been told by manufacturers that organizations should consider replacement every 8-10 year and staff placed/scheduled the replacement in year 10 and the other at year 12.

Staff has been diligent in the administering the preventative maintenance program for the surfacing on these fields. The hope is that by implementing the maintenance program as set by the manufacturer, the product lifecycle may be extended. Staff will continue to monitor the condition of the surfaces and, if it possible will push this project off as long as possible.

Anticipated Benefit to the City: The City initially purchased and installed a mid-level turf which incorporates a deeper layer of crumb rubber and, therefore, has a better cushioning factor. While this decision was made to ensure a greater level of safety for the users, it is also possible that this may lead to a longer lifecycle.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$1,138,305	-	-	\$555,555	-	\$582,750

BIG CREEK PHASE II AND III

Fund: Parks & Recreation

Department: Maintenance

Location: North of the Water Treatment Plant on the Big Creek

Project Cost: \$498,616 | **Outside Funding:** \$-0- | **City Cost:** \$498,616

Description and Justification: Funds will be used to design and construct the next phases of a canoe/kayak launch on the Big Creek north of the Water Treatment Plant on land owned by the City. The next phases of the project include designing and/or constructing:

Phase II

1. Vehicle access to the launch site consisting of a gravel road with fencing to prevent vehicles from leaving the road.
2. Design/install ADA accessible route to boat launch area within the creek bed.
3. Design/install Gabion wall for the bank stabilization and ADA accessible route.
4. Design/install of entrance monuments and wayfinding signage for site.

Phase III

1. Design/install outstanding electric infrastructure to include emergency, security and parking lot lighting for the site.
2. Design/install upgraded dust free parking infrastructure.
3. Design/install upgraded trail infrastructure to include dust free surfaces.
4. Design/install native landscaping for screening of this facility from surrounding parcels.
5. Design/Install upgraded safety measures to ensure vehicles cannot access the creek.
6. Shoreline reinforcement to prevent high water events, erosion, or wear and tear by users from impacting the creek bank.
7. Design for the potential for expanded services such as rental/returns.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$498,616	-	-	\$174,866	\$323,750	-

RESERVE FOR PARK LAND ACQUISITION

Fund: Parks & Recreation

Department: Administration

Project Cost: \$600,000 | **Outside Funding:** \$-0- | **City Cost:** \$600,000

Description and Justification: Funds would be used to quickly act on opportunities as they present themselves to secure small tracts of land for the following uses:

1. Land Acquisition for Creating Trail Linkages in Accordance with Trail Master Plan
2. Land Acquisition for the creation of needed Trailheads in Accordance with Trail Master Plan and Park Master Plan
3. Land Acquisition for Enhancements at Existing Parks such as adding space, fields, and buffers to already existing Parks
4. Land Bank parcels for future Park Development in Accordance with the Park Master Plan and the City's Comprehensive Plan

City staff routinely encounter issues of limited access to park land or linkage to parks or trails. Most often it is the case that additional land is needed for easements related to trail development. There are also opportunities that occasionally surface where the City could enhance its parks system by increasing the buffers around the parks by acquiring vacant or deficient properties that exist around some of the City's parks. Often these opportunities arise when there are no funds available to react to such opportunities and/or there is limited time to react to these types of opportunities. This funding source aims to provide a small war chest to allow the City to react to these types of issues in a timely fashion.

Anticipated Benefit to the City: Feedback provided by residents during the City's last Park Master Planning process indicated that 52% of the respondents were "Very Supportive" and 31% were "Somewhat Supportive" or 83% of those responding were supportive of "Acquiring Land for Developing New Park and Preserving Open Space".

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$600,000	-	-	\$200,000	\$200,000	\$200,000

ICE ARENA FLOORING REPLACEMENT

Fund: Parks & Recreation
Department: Ice Arena
Location: Ice Arena

Project Cost: \$105,800 | **Outside Funding:** \$-0- | **City Cost:** \$105,800

Description and Justification: Funds will be used to replace the current flooring throughout the facility in the lobby and hallways. The current flooring is nearing the end of its life expectancy and there are several areas where the flooring has bubbled, causing tripping hazards.

Anticipated Benefit to the City: With the purchase of the Ice Arena, staff will be completing maintenance that has been neglected by previous staff. With the replacement of the current system, staff will reduce costly future repairs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$105,800	-	-	\$105,800	-	-

ICE ARENA EAST PARKING LOT AND STORMWATER DRAINAGE

Fund: Parks & Recreation
Department: Maintenance
Location: Ice Arena

Project Cost: \$194,250 | **Outside Funding:** \$-0- | **City Cost:** \$194,250

Description and Justification: Funds will be used to design and construct enhanced stormwater drainage systems and parking lot improvements for this parking lot.

Currently, all downspouts on the eastside of the Ice Arena dump into the parking lot and the water flows across the lot and onto the neighboring property. Previously, the department had a crack seal and seal coat project scheduled when it was determined that the parking lot is only partially owned by the City and the neighboring property owner has some financial responsibility for improvements made to the parking lot. The neighbor has complained about excessive stormwater onto their property causing, potentially, undersized drainage structures to backup. It is anticipated that some remedial work will need to occur to address subsurface infrastructure and then the parking lot will need to be addressed.

Anticipated Benefit to the City: These repairs may be partially shared with the neighboring property owner under a current access agreement.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$194,250	-	-	-	\$194,250	-
Neighboring Property Owner	-	-	-	TBD	-

GREENHOUSE

Fund: Parks & Recreation
Department: Horticulture & Forestry
Location: TBD

Project Cost: \$65,505 | **Outside Funding:** \$-0- | **City Cost:** \$65,505

Description and Justification: Funds will be used for designing, purchasing and constructing a 30x90 greenhouse. A greenhouse with growing space will enable the horticulture division to produce more annuals and perennial flowers from seed stock, reducing the number of flowers that need to be purchased, saving thousands of dollars spent on annuals and perennials every year. Greenhouse space will also allow for overwintering perennials and annuals that cannot survive the winter outside. Typically, growing a single 6" potted plant from seed costs around \$2.50 whereas purchasing that same plant stock from a wholesaler will cost around \$4.75 and from a retailer that same plant will cost \$6.50-\$7.50. Most municipalities who have ventured down this road have found that the costs incurred in building a greenhouse are recovered in as little as four years, especially, if the construction work is handled inhouse as this project will be.

Anticipated Benefit to the City: A greenhouse with growing space will enable the Horticulture Division to produce more annuals and perennial flowers from seed stock, reducing the number of flowers that need to be purchased, saving thousands of dollars spent on annuals and perennials every year.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$65,505	-	-	-	\$65,505	-

KOLB BUILDING – PHASE II

Fund: Parks & Recreation
Department: Maintenance
Location: Rotary Park

Project Cost: \$445,480 | **Outside Funding:** \$-0- | **City Cost:** \$445,480

Description and Justification: Funds will be used to design and construct a number of additional improvements related to the area around the Kolb Building and the Kolb Building itself. These improvements are aimed at increasing the useability of the Kolb Building both for the County Fair Event but also for City events. These funds will be utilized to finish the interior spaces and address some exterior drainage issues. The intent of this project is to make the space usable for all twelve months of the year and coordinate these improvements with future sanitary improvements that may be scheduled in this region. Items to address with Rotary Park extension:

Phase I:

1. Kolb Building exterior site improvements including grading, drainage, and storm sewer work.
2. Looped waterline to replace existing 1” metal pipes that are leaking.
3. New sanitary sewer lines for the restrooms.

Phase II: Kolb Building renovations per plans that have been completed.

Phase III: Additional paved parking areas and security fencing.

Anticipated Benefit to the City: The Kolb Exhibition Center is used approximately 10 days per year for large groups but could be used more if the issue related to parking and lack of restrooms was addressed. Staff estimates that conservatively they could double the number of rentals in that facility. In addition to creating a more aesthetically pleasing appearance around the building to provide an opportunity for increased revenue by making the area look nicer.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$445,480	-	-	-	\$56,980	\$388,500

ROTARY PARK PAVILION REPLACEMENT

Fund: Parks & Recreation

Department: Maintenance

Location: Rotary Park

Project Cost: \$187,500 | **Outside Funding:** \$-0- | **City Cost:** \$187,500

Description and Justification: Funds will be used to design and construct a new (replacement) pavilion at Rotary Park referred to as the "Upper" pavilion. This pavilion was initially damaged in a windstorm around 2012/2013 and was not repaired at that time and another storm damaged the structure in early 2023. Funds will be used design and construct a 30' X 90' X 16' open air pavilion to be built in the same location as the existing structure. The plan would be to make some site improvements around the pavilion to make it more user friendly and to address storm water/erosion issues in the general area.

1. Incorporate additional parking and consider adding some additional amenities that make the facility more of an attraction.
2. May include adding a drinking fountain, small retaining wall, landscaping and hard surface parking to the west of that existing pavilion.

Anticipated Benefit to the City: This structure is anticipated to improve the overall aesthetics and the architectural being considered begin to establish some connections with other existing facilities in the park.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$187,500	-	-	-	-	\$187,500

DETENTION BASIN AT ICE ARENA

Fund: Parks & Recreation

Department: Ice Arena

Project Cost: \$51,000 | **Outside Funding:** \$-0- | **City Cost:** \$51,000

Description and Justification: Funds will be used to renovate an existing storm water basin that sits on the northwest corner of the site. This basin is believed to be original to the initial construction of this site and has experienced a fair amount of silting and vegetation encroachment since it was installed. While the structure continues to have some functionality, it is not functioning as it did when it was originally installed. The scope of this project would be to remove overgrown vegetation, reset/adjust the volume capacity to what it needs to be and install the appropriate vegetation and infrastructure to ensure long-term functionality of the basin.

Anticipated Benefit to the City: With the purchase of the Ice Arena, staff will be completing maintenance that has been neglected by previous staff. With the replacement of the current system, staff will reduce costly future repairs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$51,000	-	-	-	-	\$51,000

IRRIGATION AND TURF FIELDS AT WILLIAM ALLEN PARK

Fund: Parks & Recreation
Department: Maintenance
Location: William Allen Park

Project Cost: \$39,200 | **Outside Funding:** \$-0- | **City Cost:** \$39,200

Description and Justification: Funds will be used to design, purchase, and install materials needed to establish additional turf fields in the area west of the parking lot at Splash Station in accordance with the conceptual master plan. Splash Station was opened in 2014 and was funded by the citywide ½-cent sales tax that was passed by voters in 2010. This area was planned to be a future recreation center but the City’s immediate need was to establish additional game and practice spaces for youth sports teams. If this site were to be slightly improved with a 2% crown and irrigation, it could be a space that generates revenue until such time as decisions are made about the placement of any future recreation center.

Anticipated Benefit to the City: The anticipated benefits include: improve playability and usability, extending playing season, reduced maintenance requirements, enhanced field conditions and safety, increased recreational opportunities, boosted community engagement and pride, and potential economic impact.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$39,200	-	-	-	-	\$39,200

ICE RESURFACER

Fund: Parks & Recreation

Department: Ice Arena

Project Cost: \$130,000 | **Outside Funding:** \$-0- | **City Cost:** \$130,000

Description: Funds will be used to replace the current one or both of the ice resurfacers at the Wentzville Ice Arena. These units are a 1998 and 1999 Olympia 2000 ice resurfacer. Both of the resurfacers are 20+ years old and well beyond their normal life expectancy.

Staff will evaluate whether or not there is an option to purchase a used unit from a professional hockey organization which, typically, rotate their resurfacers annually. If so, the cost of a used unit is about half of the cost of a new one. The life expectancy of ice resurfacers is 8-10 years. One unit was replaced in 2022.

Justification: This is a straight forward vehicle replacement scheduled to avoid escalating maintenance costs.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$130,000	-	-	\$130,000	-	-

AMMONIA CHILLER COMPRESSOR

Fund: Parks & Recreation

Department: Ice Arena

Project Cost: \$90,000 | **Outside Funding:** \$-0- | **City Cost:** \$90,000

Description: The funds will be used to purchase replacement ammonia chiller compressors as part of a replacement program as follows:

- **2024:** Ammonia Cimco Lewis Compressor #1 – Model C6-W06A/Serial 98206/HYD 450 HP/(L.P. 300)/AIR HP 300 (L.P. 180)
- **2026:** Ammonia MYCOM Compressor #3 – Model N6WBHE-BB/Serial 638256/HYD 470 HP/(L.P.470)/LEAK HP 313 (L.P. 250)

Justification: The current ammonia compressors were inherited with the purchase of the Ice Arena and are well beyond their normal life expectancy. By replacing the current compressors, the City will save on costly replacement parts for the machines due to their age.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$90,000	\$45,000	-	\$45,000	-	-

GREEN LANTERN RENOVATION

Fund: Parks & Recreation
Department: Administration
Location: Green Lantern – 506 S. Linn Ave.

Project Cost: \$750,000 | **Outside Funding:** \$-0- | **City Cost:** \$750,000
 Capital Fund - \$750,000

Description and Justification: Funds will be used to provide a design and renovation of the Green Lantern building dependent on needs of office and rental space. The Parks Engineer is structurally reviewing this building along with providing a cost estimate to make any repairs to the structural integrity of the building.

Anticipated Benefit to the City: The anticipated benefit to the City includes: efficient space utilization, cost savings, increased office capacity, improved functionality, enhanced accessibility, centralized operations, and potential revenue generation.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$750,000	\$750,000	-	-	-	-

SPECIAL EVENT VENUE IN ROTARY PARK

Fund: Parks & Recreation

Department: Maintenance

Location: Rotary Park

Project Cost: \$1,683,500 | **Outside Funding:** \$-0- | **City Cost:** \$1,683,500
 Capital Fund - \$1,683,500

Description and Justification: Funds will be used to design a phased project to construct a special event venue at Rotary Park capitalizing on some of the infrastructure that currently exists within that facility. When completed the facility should be able to host at least the following events or similar types of activities: St. Charles County Fair, Renaissance Festival, Half Marathons, Holiday Night Lights, Wentzville Days, Fall Festival, Music in the Park Events, Food Truck Festivals, and July 4th Fireworks. In order to accomplish this, it will be necessary to upgrade the existing amphitheater, upgrade stage, lighting, and electrical, upgrade off stage areas, add more permanent restroom/concession facilities, add some all-weather parking areas, and address ADA deficiencies.

Since staff were given direction to proceed with starting this project in June 2023, the design process is just getting underway, and it is probably premature to set a hard phasing plan for the project.

Anticipated Benefit to the City: This project will continue to expand the special event capabilities of the park that was started with the St. Charles County Fair and the Renaissance Festival. The concept of moving larger special events to a new location will lessen the impact that some of these activities have on local businesses and give them a permanent home.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$1,683,500	\$259,000	\$518,000	\$518,000	\$388,500	-

ICE ARENA DEBT SERVICE

Fund: Capital

Department: Ice Arena

Project Cost: \$2,000,000 | **Outside Funding:** \$-0- | **City Cost:** \$2,000,000

Description and Justification: Representatives of Lindenwood University reached out to City staff in April 2018 to share that the University was going to be moving its hockey teams from the ice arena in Wentzville to a new location in Maryland Heights and, as part of this transition, they would be considering putting the Wentzville Ice Arena up for sale at some point in 2018. Because of the University’s educational mission, they also expressed a strong interest in seeing the facility remain as a recreational amenity within Wentzville and they conveyed their commitment to wanting to maintain a significant and improved presence within the Wentzville community.

City staff performed a preliminary assessment of the financial viability of purchasing the ice arena and performed certain initial due diligence, including obtaining certain engineering inspections of the facility and property. Major components that were inspected by Cochran Engineering or its subcontractors included: HVAC, mechanical, electrical, plumbing, ice system, structural, site, equipment, the ice arena refrigeration systems, and the ice resurfacing equipment.

The sale price of the facility was \$2,000,000.

Lindenwood University agreed to finance the purchase, interest free, for twenty (20) years.

Anticipated Benefit to the City: The Ice Arena provides an opportunity for a wide variety of additional programs and recreation opportunities.

FUNDING SCHEDULE							
Total	PRIOR	2024	2025	2026	2027	2028	FUTURE
\$2,000,000	\$500,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$1,000,000

ADA SIDEWALK REPLACEMENT/IMPROVEMENTS

Fund: Capital

Department: Maintenance

Project Cost: \$54,385 | **Outside Funding:** \$-0- | **City Cost:** \$54,385
Capital Fund - \$54,385

Description: Replace cracked, heaved or otherwise damaged sidewalks within the park system or around public facilities. Occasionally, funds are used to install new ADA ramps or new sections of sidewalk on public rights of way to make connections to either the trail system or in heavily traveled areas.

Justification: Funding source for replacing sidewalks that are not ADA-compliant or to add new sidewalks in areas that we need to in order to be compliant with those standards.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$54,385	-	\$25,000	-	\$29,385	-

72” ZERO-TURN MOWERS

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$56,000 | **Outside Funding:** \$-0- | **City Cost:** \$56,000

Description and Justification: Funds will be used to purchase four replacement 72” zero-turn mowers for the Horticulture and Forestry crews. The units being replaced are 72” Scag Cheetah zero turn mowers and two John Deere 997 Z-Trac mowers that were purchased in 2010 and 2021. These units have a 72" wide mowing deck which is ideal for park related mowing and are used daily during the mowing season to mow parks and public areas in the park system. These units will have passed the expected useful life and are in need of replacement to avoid escalating maintenance costs.

Anticipated Benefit: The City will continue to see increased productivity.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$56,000	\$28,000	\$14,000	-	-	\$14,000
	Qty. 2				

MINI-EXCAVATOR

Fund: Capital

Department: Maintenance

Project Cost: \$75,000 | **Outside Funding:** \$-0- | **City Cost:** \$75,000

Description: Funds will be used to purchase a new or used mini excavator with at least a 30HP engine and auxiliary hydraulics to accommodate a thumb. Currently, the Park Operations Division rents equipment of this nature when absolutely necessary. There are many times that the staff will improvise rather than rent and work is completed much less efficiently than could be done with a piece of equipment like this. A new/used CAT 303.5CR/John Deere 50G/Kubota KX040 mini excavator or another equivalent unit would meet most of our needs and would ensure all jobs are done as efficiently/safely as possible.

Justification: This equipment is will allow staff to more efficiently, and safely, perform work that they are doing on a regular basis. The current practice of borrowing equipment from the Water/Sewer Divisions leave them without equipment for some period of time or, without necessary resources in the case of an emergency.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$75,000	\$75,000	-	-	-	-

SKID LOADER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$75,000 | **Outside Funding:** \$-0- | **City Cost:** \$75,000

Description and Justification: Funds will be used to purchase a replacement Skid Loader for the Park Operations Division. The division uses the unit for various construction/maintenance related functions. The skid loader is utilized in nearly 75% of the Parks projects and is subject to a great deal of wear and tear because of the nature of the work it is required to do. The equipment is largely used for grading ballfields or pad sites, planting trees, sod installations, stump grinding, loading bulk materials, etc. This equipment is easily the most used piece of equipment in the division other than trucks/gators and it is recommended that additional attachments be purchased to expand the versatility of the equipment. It is a generally accepted practice in the industry to replace a unit of this nature when it gets around 2,400 hours on it because the cost of maintenance increases significantly around that point.

Justification: This unit will have passed its expected useful life and is in need of replacement to avoid escalating maintenance costs.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$75,000	\$75,000	-	-	-	-

1-TON 4X4 CREW CAB WITH UTILITY BED AND POWER INVERTER

Fund: Capital

Department: Maintenance

Project Cost: \$74,750 | **Outside Funding:** \$-0- | **City Cost:** \$74,750

Description and Justification: Funds will be used to purchase a heavy-duty truck that is used daily for transportation of personnel, materials, and equipment to and from job sites. There are often times when the demands of a job site require additional and/or different equipment and this configuration allows staff to place that equipment on the truck at the work site. The anticipated life cycle is expected to be 10 years or 100,000 miles.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$74,750	\$74,750	-	-	-	-

1/2-TON 4X4 EXTENDED CAB

Fund: Capital

Department: Administration

Project Cost: \$40,250 | **Outside Funding:** \$-0- | **City Cost:** \$40,250

Description and Justification: Funds will be used to purchase a light-duty 4x4 pickup with extended cab. The vehicle will be used daily for transportation of personnel, materials, and equipment to and from job sites. The anticipated life cycle is expected to be 10 years or 100,000 miles.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$40,250	\$40,250	-	-	-	-

STUMP GRINDER ATTACHMENT

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$25,000 | **Outside Funding:** \$-0- | **City Cost:** \$25,000

Description and Justification: Funds will be used to purchase a miller style stump grinder attachment to be used with a skid loader. This type of attachment is designed for occasional use and can remove up to medium-sized stumps. The expected life cycle of the equipment can be in excess of 20 years.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$25,000	\$25,000	-	-	-	-

CHIPPER BODY ATTACHMENT

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$14,000 | **Outside Funding:** \$-0- | **City Cost:** \$14,000

Description and Justification: Funds will be used to purchase an enclosed chipper body attachment to be used with an existing piece of equipment in the City’s inventory. This attachment is to be used by staff when removing damaged, diseased, or dead trees. The expected life cycle of the attachment can be in excess of 20 years.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$14,000	\$14,000	-	-	-	-

AWD CROSSOVER

Fund: Capital

Department: Recreation and Administration

Project Cost: \$122,850 | **Outside Funding:** \$-0- | **City Cost:** \$122,850

Description: Administration: Funds will be used to replace a GM Equinox in 2024. This vehicle is a 2022 transfer from Public Works that was purchased in 2007 and will be used daily by the Superintendent of Business & Technology in the Administration Division. Vehicle #834 is currently 15-years-old with 57,877 miles.

Recreation: Funds will be used to replace a 2008 Chevy Trailblazer 4X4 SUV and a 2003 Chevy Astro 7-Passenger Van. These vehicles are used daily in the Recreation Division for transporting personnel, materials, supplies and equipment to and from programming sites. Vehicle #800 is currently 15 years old with 55,016 miles. Vehicle #805 is currently 20 years old with 48,636 miles.

The anticipated life cycle of a new unit is expected to be 10 years or 100,000 miles.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$122,850	\$40,250	\$82,600	-	-	-
	Administration	Recreation – Qty. 2			

UTILITY TRACTOR

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$65,000 | **Outside Funding:** \$-0- | **City Cost:** \$65,000

Description: Funds will be used to purchase a replacement 65HP John Deere 4x4 compact utility tractor with turf tires for the Horticulture and Forestry staff. This unit is used by staff in the execution of the turf maintenance program and it is also used with attachments that require a more powerful tractor such as a brush hog. The anticipated life cycle of the new unit is expected to be 20 years or 5,000 hours.

Justification: This vehicle will have passed its expected useful life and is in need of replacement to avoid escalating maintenance costs and parts are hard to obtain due to the age of the unit.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$65,000	-	\$65,000	-	-	-

AIR COMPRESSOR

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$28,000 | **Outside Funding:** \$-0- | **City Cost:** \$28,000

Description: Funds will be used to purchase a quality used pull behind air compressor.

Justification: This unit is used to winterize irrigation systems and restroom facilities as part of our annual winterization process. It is also used to power jackhammers or other pneumatic tools. The expected useful life cycle of this machine is 20 years.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$28,000	-	\$28,000	-	-	-

ARTICULATING SLOPE MOWER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$25,000 | **Outside Funding:** \$-0- | **City Cost:** \$25,000

Description and Justification: Funds will be used to replace a 2016Stiener 440 articulating slope mower under a scheduled replacement program. With the addition of Splash Station, Heartland Park and Peruque Park, the City has added a substantial amount of area where staff has to be able to mow slopes of twenty-five degrees or more. Currently Splash Station and Heartland have slopes that are 30 degrees and it takes a specialty mower to mow over 22 degrees.

Anticipated Benefit to the City: This is a replacement unit and staff is proposing to replace it with a similar piece of equipment. Staff has not experienced any adverse conditions or safety issue since adding this system to the fleet and this equipment has proven to be very diverse in how it can be used.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$25,000	-	\$25,000	-	-	-

COMPACT UTILITY TRACTOR

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$18,700 | **Outside Funding:** \$-0- | **City Cost:** \$18,700

Description: Funds will be used to purchase a replacement 23-HP tractor with turf tires that will replace a 1997 John Deere 770 Compact Utility Tractor. This unit is used by staff in the execution of the turf maintenance program. It pulls seeders, fertilizing attachments, aerators, top dressers and turf vac equipment. The anticipated Life Cycle of the new unit is expected to be 20 years or 5,000 hours.

Justification: This vehicle will have passed its expected useful life and is in need of replacement to avoid escalating maintenance costs. Parts are hard to obtain due to the age of the unit.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$18,700	-	\$18,700	-	-	-

TURF SPRAYER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$20,000 | **Outside Funding:** \$-0- | **City Cost:** \$20,000

Description: Funds will be used to purchase a replacement John Deere HD 200 turf sprayer.

Justification: This sprayer is an attachment for a John Deere ProGator 2020 which is ideal for spraying for weeds on athletic fields, landscape beds, and surrounds during the growing season. It is used to apply pre-emergents and post-emergents in a very controlled manner. The anticipated life cycle for this type of attachment setting is expected to be around 10 years.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$20,000	-	\$20,000	-	-	-

UTILITY VEHICLE

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$15,000 | **Outside Funding:** \$-0- | **City Cost:** \$15,000

Description: Funds will be used to purchase a utility vehicle comparable to a John Deere HPX Gator utility vehicle as part of a scheduled replacement program. The HPX Gator is the mid-level “standard” unit with a 32HP/4-cycle engine, 4X4 drive train, 1,500lb towing capacity and 800lb payload capacity. The HPX gators are used on a daily basis by Park Operations staff in a variety of roles from trash cleanup, general transportation and hauling materials/tools around the jobsite.

Justification: This utility vehicle will be replacing a unit that will have exceeded its expected useful life and is in need of replacement to avoid escalating maintenance costs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$15,000	-	\$15,000	-	-	-

LIGHT DUTY PICKUP TRUCK

Fund: Capital

Department: Recreation

Project Cost: \$38,720 | **Outside Funding:** \$-0- | **City Cost:** \$38,720

Description: Funds will be used to replace a 2006 Chevrolet Colorado extended cab short bed pickup truck that was transferred from Public Works in 2018. The vehicle is used daily by the Recreation Division for transporting personnel, materials, supplies, and equipment to and from programming sites. A pickup truck is necessary for hauling concession items and sport-related equipment throughout the year. The anticipated life cycle is expected to be 10 years or 100,000 miles.

Justification: This vehicle will have passed its expected useful life and is in need of replacement to avoid escalating maintenance costs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$38,720	-	-	\$38,720	-	-

STUMP GRINDER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$50,000 | **Outside Funding:** \$-0- | **City Cost:** \$50,000

Description: Funds will be used to purchase a heavy-duty stump grinder to be used on a weekly basis by the forestry crew in the execution of tree removals. Stump grinders dedicated to that function offer a number of additional features that enhance the stability, operation, safety, and visibility as it relates to the operator. Staff continues to evaluate these units and what is needed to reasonably meet the needs of the City.

Justification: Purchasing a new unit like this would eliminate the need to rent such equipment and would expedite the process of addressing stumps.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$50,000	-	-	\$50,000	-	-

1/2-TON 4X4 PICKUP TRUCK

Fund: Capital
Department: Administration

Project Cost: \$72,600 | **Outside Funding:** \$-0- | **City Cost:** \$72,600

Description and Justification: Funds will be used to purchase an additional 1/2-ton pickup truck with an extended cab for the Park Planner/Project Manager staff. Staff is proposing to purchase a light duty vehicle with an extended cab to accommodate transporting more than two individuals to and from job sites.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$72,600	-	-	\$72,600	-	-

4X4 SPORTS FIELD TURF UTILITY VEHICLE

Fund: Capital
Department: Horticulture & Forestry

Project Cost: \$45,000 | **Outside Funding:** \$-0- | **City Cost:** \$45,000

Description and Justification: Funds will be used to replace a 2015 John Deere ProGator utility vehicle as part of a scheduled replacement program. The ProGator is a heavy-duty utility cart that is used on a daily basis by maintenance personnel for transportation and heavy duty hauling of sod, gravel, and needed tools to perform daily tasks as well as pulling various attachments for sweeping, topdressing, spraying etc. This unit is also used for hauling and dispensing materials, working in areas that a full-size truck is unable to. The expected useful lifetime of this machine is 8 years or 2,500 hours.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$45,000	-	-	\$45,000	-	-

4-DOOR SEDAN CAR

Fund: Capital

Department: Administration

Project Cost: \$25,410 | **Outside Funding:** \$-0- | **City Cost:** \$25,410

Description and Justification: Funds will be used to replace a 2011 Chevrolet Impala to transferred from the Police Department in 2019. This vehicle is used daily by the Guest Service Supervisor for checking on the different rental sites, attending Chamber/networking functions and used for other errands performed by staff. The anticipated life cycle is expected to be 10 years or 100,000 miles.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$25,410	-	-	\$25,410	-	-

6X4 TURF UTILITY VEHICLE

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$15,000 | **Outside Funding:** \$-0- | **City Cost:** \$15,000

Description and Justification: Funds will be used to replace a 6X4 utility vehicle as part of a scheduled replacement program. The unit that is being replaced is no longer in production and staff is proposing to replace this unit with a smaller more versatile unit.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$15,000	-	-	\$15,000	-	-

BUNKER RAKE/GROOMER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$14,500 | **Outside Funding:** \$-0- | **City Cost:** \$14,500

Description: Funds will be used to replace a John Deere 1200A bunker rake/groomer. This unit is used to drag the infields of all ballfields in the park system. The expected useful lifetime of this machine is 10 years or 2,000 hours.

Justification: This unit will have passed its expected useful life and is in need of replacement to avoid escalating maintenance costs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$14,500	-	-	\$14,500	-	-

AUTONOMOUS MOWERS

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$141,240 | **Outside Funding:** \$-0- | **City Cost:** \$141,240

Description and Justification: Funds will be used to purchase two new autonomous mowers with self-guided GPS and safety features. These mowers will not replace employees, but will offset the lack of qualified applicants joining our workforce. These mowers will operate 500 feet from a centralized control point and need to be programmed by staff. One mower can cut up to two acres per hour. In addition to the capital costs, there is a \$200/year per mower GPS license that will be paid during operating months, March through October.

Anticipated Benefit: Since the City continues to face challenges related to attracting part-time or seasonal staff, this type of technology may be a viable solution that allows us to maintain our facilities more effectively and efficiently.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$141,240	-	-	-	\$141,240	-
				Qty. 2	

ONE-TON PICKUP TRUCK WITH EXTENDED CAB

Fund: Capital
Department: Maintenance

Project Cost: \$71,920 | **Outside Funding:** \$-0- | **City Cost:** \$71,920

Description: Funds will be used to replace a 4x4 one-ton crew cab pickup truck with a standard bed for the Park Facility Maintenance staff. This vehicle is used in daily Park Maintenance operations for hauling materials/equipment and pulling trailers/equipment to and from job sites. The work unit routinely hauls various power and hand tools, ladders, generators, compressors, and other construction related equipment. There are, often, times when the demands of the job site require additional/different equipment and it may require additional trips to the shop. Snow plow and salt spreader packages will not be included with this vehicle and will be the responsibility of the street department budget, if or when that equipment is needed. The anticipated life cycle of the new unit is expected to be 10 years or 100,000 miles.

Justification: This vehicle will have passed its expected useful life and is in need of replacement to avoid escalating maintenance costs. Truck #816 is currently 7-years old and has 45,674 miles on it.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$71,920	-	-	-	\$71,920	-

COMPOST TURNER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$27,000 | **Outside Funding:** \$-0- | **City Cost:** \$27,000

Description and Justification: Funds will be used to purchase a tow-behind unit used to turn rows of compost which are used for providing organic material for use in landscaping beds or for top dressing on ballfields. The City currently stores the byproduct of chipping trees on the property near Splash Station. The Parks and Recreation Department would like to use this material as mulch, however, the process for handling this creates a very poor-quality mulch material because of its inconsistency and preparation. With the proper equipment a large volume of the material could be converted more quickly to mulch and compost to be used for landscaping beds and turf applications. In order to produce high quality compost, the compost needs to be turned periodically and that along with increasing efficiencies in the landscaping operation is the purpose of recommending this purchase. The expected useful lifetime of this machine is 15-20 years.

Anticipated Benefit to the City: By implementing a better system for treating this waste material, the City could anticipate totally eliminating the purchase of mulch and compost material within 3-4 years. Additionally, the City could consider a resident program to provide compost/mulch at a low cost to residents.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$27,000	-	-	-	\$27,000	-

COMPACT 4X4 UTILITY TRACTOR

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$25,000 | **Outside Funding:** \$-0- | **City Cost:** \$25,000

Description and Justification: Funds will be used to replace a 2010 John Deere 2520 4x4 compact utility tractor with turf tires. This unit is used by the staff in the execution of the turf maintenance program. It pulls seeders, fertilizing attachments, aerators, top dressers and turf vac equipment. The anticipated life cycle of the new unit is expected to be 20 years or 5,000 hours.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$25,000	-	-	-	\$25,000	-

DEEP TINE AERATOR

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$18,000 | **Outside Funding:** \$-0- | **City Cost:** \$18,000

Description and Justification: Funds will be used to purchase a ProCore SR54 deep tine 10.75-inch aerator to be used on athletic fields for deep decompaction.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$18,000	-	-	-	\$18,000	-

TURBINE BLOWER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$13,000 | **Outside Funding:** \$-0- | **City Cost:** \$13,000

Description and Justification: Funds will be used to purchase a towed turbine blower that has a high output air flow designed to assist in cleaning trails, parking lots and drying ballfields. This unit would be used to assist in cleaning trails and parking lots to reduce the amount of loose material and leaves that create unsafe surfaces. The unit would also assist in ballfield preparations at Heartland Park and Peruque Valley Park.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$13,000	-	-	-	\$13,000	-

VENTLESS FRYER

Fund: Capital

Department: Recreation

Project Cost: \$10,450 | **Outside Funding:** \$-0- | **City Cost:** \$10,450

Description and Justification: Funds will be used to purchase a ventless fryer for concessions; purchasing three over time. This will improve the quality of food serving. The food serving quality will improve, thus increase concession sales due to repeat customers.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$10,450	-	-	-	\$10,450	-

48” WALK-BEHIND MOWER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$9,000 | **Outside Funding:** \$-0- | **City Cost:** \$9,000

Description and Justification: Funds will be used to purchase a replacement 2020 Ferris 52" walk-behind mower. This walk-behind unit has a 52" wide mowing deck which is ideal for park related mowing in small areas and is used daily during the mowing season to mow parks and public areas in the park system. This unit will have passed it's expected useful life and is in need of replacement to avoid escalating maintenance costs. The anticipated life cycle for a mower like this in park setting is expected to be around 8 years or 1,800 hours.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$9,000	-	-	-	\$9,000	-

TURF AND SIDEWALK SWEEPER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$80,000 | **Outside Funding:** \$-0- | **City Cost:** \$80,000

Description and Justification: Funds will be used to purchase a new turf/sidewalk sweeper used for a number of different functions within the Parks and Recreation Department. Staff has evaluated a Harper Hawk 4000 sweeper (pictured) that could be used to sweep natural grass fields after coring and dethatching. It also has the ability to be used to remove trash and debris from festival grounds. This unit is capable of dumping the collected material into a regular dumpster or truck bed which could allow staff to be more efficient in a number of different functions. The anticipated life cycle is expected to be around seven years.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$80,000	-	-	-	-	\$80,000

SINGLE-AXLE 4X4 TRUCK

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$100,288 | **Outside Funding:** \$-0- | **City Cost:** \$100,288

Description and Justification: Funds will be used to purchase a medium-duty 4x4 single-axle truck chassis with a snow plow package that will replace a 2004 topkick 4x4 truck with standard cab and flatbed transferred from the Public Works department in 2016 and used daily for hauling materials/equipment and pulling trailers/equipment to and from job sites. There are often times when the demands of a job site require additional/different equipment and it may require additional trips to the shop. The anticipated life cycle is expected to be 10 years or 100,000 miles.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$100,288	-	-	-	-	\$100,288

TELESCOPIC ARTICULATING WORK PLATFORM

Fund: Capital

Department: Maintenance

Project Cost: \$55,000 | **Outside Funding:** \$-0- | **City Cost:** \$55,000

Description and Justification: Funds will be used to purchase a used telescopic straight boom lift to be used in situations where equipment like bucket trucks and scissor lifts are not capable. Currently, staff uses a work platform mounted on a telehandler that does not have the ability to rotate, creating safety issues. This unit will offer greater flexibility and reach than the current equipment. Additionally, the equipment has the capability to provide power, tool hookups, and other features. The anticipated life cycle is expected to be 10-12 years.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$55,000	-	-	-	-	\$55,000

3/4-TON 4X4 CREW CAB WITH UTILITY BED AND POWER INVERTER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$70,400 | **Outside Funding:** \$-0- | **City Cost:** \$70,400

Description and Justification: Funds will be used to purchase a replacement 4x4 crew cab/bed pickup truck that is used daily for hauling materials/equipment and pulling trailers/equipment to and from job sites. There are often times when the demands of a job site require additional/different equipment and it may require additional trips to the shop. The anticipated life cycle is expected to be 10 years or 100,000 miles.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$70,400	-	-	-	-	\$70,400

12-PASSENGER VAN

Fund: Capital

Department: Recreation

Project Cost: \$53,760 | **Outside Funding:** \$-0- | **City Cost:** \$53,760

Description and Justification: Funds will be used to replace a 12-passenger van used by staff daily for hauling materials, supplies, and equipment to and from job sites. During the summer months the vehicle is used to transport groups of children to various sports camps and occasionally field trips. The anticipated life cycle is expected to be 10 years or 100,000 miles.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$53,760	-	-	-	-	\$53,760

3/4-TON 4X4 CREW CAB

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$52,480 | **Outside Funding:** \$-0- | **City Cost:** \$52,480

Description and Justification: Funds will be used to purchase a replacement 4x4 crew cab/bed pickup truck that is used daily for hauling materials/equipment and pulling trailers/equipment to and from job sites. There are often times when the demands of a job site require additional/different equipment and it may require additional trips to the shop. The anticipated life cycle is expected to be 10 years or 100,000 miles.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$52,480	-	-	-	-	\$52,480

MULCHER ATTACHMENT FOR SKID STEER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$40,000 | **Outside Funding:** \$-0- | **City Cost:** \$40,000

Description and Justification: Funds will be used to purchase a mulcher attachment for a skid steer to be used to remove invasive species in woods, remove old trees, and clear wooded areas on new and existing properties.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$40,000	-	-	-	-	\$40,000

MID-SIZE SUV

Fund: Capital
Department: Administration

Project Cost: \$39,000 | **Outside Funding:** \$-0- | **City Cost:** \$39,000

Description and Justification: Funds will be used to purchase a replacement midsize SUV used for daily transportation by the Director of Parks and Recreation to various meetings and transporting visiting professionals around to different job sites. The Director is often on construction sites and is part of the City’s emergency response team. An AWD vehicle is necessary for meeting those job responsibilities. The current vehicle has a bigger payload and gets 14/20 mpg, seats up to five passengers and the new vehicle would have less payload space, same seating, and get 22/32 mpg. There is also a real need for having another vehicle for the department to use to transport staff and/or equipment to and from remote work locations. The anticipated life cycle is expected to be 10 years or 100,000 miles.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$39,000	-	-	-	-	\$39,000

COMPACT UTILITY TRACTOR WITH ENCLOSED CAB

Fund: Capital
Department: Horitculature & Forestry

Project Cost: \$35,000 | **Outside Funding:** \$-0- | **City Cost:** \$35,000

Description and Justification: Funds will be used to purchase a replacement 37HP John Deere 4x4 compact utility tractor with turf tires used in execution of the turf maintenance program. The tractor pulls seeders, fertilizing attachments, aerators, top dressers, and turf vac equipment. The anticipated life cycle is expected to be 20 years or 5,000 hours.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$35,000	-	-	-	-	\$35,000

TURF SEEDER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$18,000 | **Outside Funding:** \$-0- | **City Cost:** \$18,000

Description and Justification: Funds will be used to purchase a replacement US Turf 3 pt. slit seeder ideal for park related seeding athletic fields and surrounds during the growing season to establish grass in parks and public areas in the park system. The anticipated life cycle is expected to be around 25 years.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$18,000	-	-	-	-	\$18,000

SOFT SERVE ICE CREAM MACHINE WITH FLAVOR BURST

Fund: Capital

Department: Recreation

Project Cost: \$9,000 | **Outside Funding:** \$-0- | **City Cost:** \$9,000

Description and Justification: Funds will be used to purchase a soft serve ice cream machine with flavor burst to be used in concessions. The return on investment is 900% cost recovery per serving.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$9,000	-	-	-	-	\$9,000

18' LANDSCAPING TRAILER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$8,500 | **Outside Funding:** \$-0- | **City Cost:** \$8,500

Description and Justification: Funds will be used to purchase a replacement 16' homemade BBQ pit trailer.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$8,500	-	-	-	-	\$8,500

VICON SPREADER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$5,500 | **Outside Funding:** \$-0- | **City Cost:** \$5,500

Description and Justification: Funds will be used to purchase a replacement Frontier 3 pt. pendulum spreader ideal for use on sport fields and grounds as well as in many horticulture and municipal applications. The spreader has a hardwearing polyethylene hopper with a basic capacity of 220 gallons and an optional extension rim to create 330 liters hopper capacity. The compact design in combination with the pendulum movement of the spout ensures that the application is always identical on both sides. This results in a symmetric spreading pattern and an excellent overlap. The anticipated life cycle is expected to be 10 years or 1,000 hours.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$5,500	-	-	-	-	\$5,500

TURF STRIPER

Fund: Capital

Department: Horticulture & Forestry

Project Cost: \$5,000 | **Outside Funding:** \$-0- | **City Cost:** \$5,000

Description and Justification: Funds will be used to purchase a replacement Pioneer 3000 paint field striper to stripe athletic fields and parking lots during athletic season in the park system. The anticipated life cycle is expected to be around seven years.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$5,000	-	-	-	-	\$5,000

HOLIDAY LIGHTS DISPLAY

Fund: Capital
Department: Recreation
Location: Rotary Park

Project Cost: \$85,000 | **Outside Funding:** \$-0- | **City Cost:** \$85,000

Description: Funds used to purchase new animated displays for the holiday lights special event at Rotary Park.

Justification: Staff is looking to rejuvenate the Holiday Night Lights display event by starting to add a new component/display each year. The event has stagnated and has been exactly the same for a number of years and people have not been willing to revisit it year after year. By changing the layout and adding a new component each year it should be possible to make this an annual event that families visit each year.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$85,000	\$17,000	\$17,000	\$17,000	\$17,000	\$17,000



Engineering

ENGINEERING

PROJECT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Eng – Stormwater	ARPA Stormwater Projects	660,000	-	-	-	-	660,000
Engineering	310 W. Pearce Evaluation Project	20,000	200,000	-	-	-	220,000
Engineering	I-70 Landscaping Replacement and Renovation	50,000	150,000	-	-	-	200,000
Engineering	David Hoekel Parkway South Utility Study	150,000	-	-	-	-	150,000
Eng – Stormwater	Creekside Basin Infrastructure	-	125,000	-	-	-	125,000
Eng – Stormwater	Bedford Pointe Dr. Stormwater Improvements	-	56,000	-	-	-	56,000
Eng – Stormwater	Stormwater Maintenance Reserve	100,000	125,000	125,000	150,000	150,000	650,000
TOTAL		980,000	656,000	125,000	150,000	150,000	2,061,000

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Engineering/Strm	1/2-Ton Crew Cab 4x4 Pickup Truck	165,600	-	128,260	131,440	135,680	560,980
Engineering	Compact SUV	-	33,040	-	-	-	33,040
Engineering	Midsize 4x4 Pickup Truck	-	-	-	37,200	-	37,200
Eng – Stormwater	Plow Truck with Spreader	-	-	-	-	128,000	128,000
TOTAL		165,600	33,040	128,260	168,640	263,680	759,220

ENGINEERING

TOTAL PROJECTS AND EQUIPMENT						
	2024	2025	2026	2027	2028	Five Year Total
TOTAL	1,145,600	689,040	253,260	318,640	413,680	2,820,220

FUNDING SOURCE						
Source	2024	2025	2026	2027	2028	Total
Capital Fund	485,600	689,040	253,260	318,640	413,680	2,160,220
Federal American Rescue Plan Act Funding	660,000	-	-	-	-	660,000
TOTAL	1,145,600	689,040	253,260	318,640	413,680	2,820,220

ARPA STORMWATER PROJECTS (FEDERAL)

Fund: Capital

Department: Engineering – Stormwater

Location: Citywide

Project Cost: \$660,000 | **Outside Funding:** \$660,000 | **City Cost:** \$-0-
 Construction - \$660,000
 Federal American Rescue Plan Act - \$660,000

Description and Justification: With consultant prioritization, federally-funded projects seek to replace or rehabilitate failing/aging stormwater infrastructure (deteriorated metal pipes, inlets etc.) mostly found in historic downtown areas. Projects address areas most in need due to insufficient capacity for a 15-year, 20-minute event, lack of detention, maintenance access or condition of infrastructure. Existing ARPA funds may be leveraged for additional state funding for eligible stormwater projects to improve water quality and improve system resilience for areas citywide. The focus for additional state funding is replacing/lining aged pipes and streambank stabilization improvements that help protect public infrastructure.

Anticipated Benefit: Project will improve safety for motorists, reduce emergency maintenance/repairs, improve functionality of the stormwater system, and reduce potential claims for impacts to private property.

	2024
602 E. Pitman Ave.	\$45,000
Meyer Rd. Twin CMP Replacement	\$22,000
504/505 Cheryl Ann	\$45,000
521/524 Pilgrim	\$400,000
Northview Box Access	\$18,000
Main St. (West of Church St.)	\$130,000

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$660,000	\$660,000	-	-	-	-
Federal ARPA	\$660,000	-	-	-	-

310 W. PEARCE EVALUATION PROJECT

Fund: Capital

Department: Engineering

Location: 310 W. Pearce Blvd.

Project Cost: \$220,000 | **Outside Funding:** \$-0- | **City Cost:** \$220,000

Description and Justification: The building at 310 W. Pearce is in need of major renovation to bring it into compliance with ADA regulations. The exterior roof is in need of replacement and the interior space is partitioned to the extent that it is an inefficient space for retail, commercial or office space use. The building is located at a focal entry point of the Historic Downtown and the road system at this location needs to be adjusted to permit optimal turning movement utilization. Therefore, staff recommends that this building be demolished and the site be re-graded to allow for the road system to be realigned to make better pedestrian and vehicular use, attract visitors and beautify the entrance to the City’s Historic Downtown. These improvements are identified in the 2018 Downtown Transportation Revitalization Study.

Anticipated Benefit: The demolition of this building will allow for more intuitive and safer pedestrian and vehicular traffic pattern and will establish an opportunity to construct a new, visitor-friendly entry space into the Wentzville Historic Downtown area.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$220,000	\$20,000	\$200,000	-	-	-

I-70 LANDSCAPING REPLACEMENT AND RENOVATION

Fund: Capital
Department: Engineering
Location: I-70 at Wentzville Parkway

Project Cost: \$200,000 | **Outside Funding:** \$-0- | **City Cost:** \$200,000

Description and Justification: The Interstate 70 interchange at Wentzville Parkway is one of the primary entry points to the City and serves as the City’s first impression to many who travel along Interstate 70. Recent and proposed roadway projects have created a need to reimagine and replace the landscaping at this interchange. Included in this project will be an updated design that fits with the new interchange layout and accommodates future projects, new landscaping, irrigation and slope repairs, and new “Wentzville” lettering for the bridge façade.

Anticipated Benefit: The landscaping improvements at this interchange have reached maturity, the appearance has become overgrown, and modifications to the interchange have made some of the existing landscaping design outdated. An updated design for this landscaping will be coordinated with roadway improvements, will make the area more manageable, and will improve the overall appearance of the interchange.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$200,000	\$50,000	\$150,000	-	-	-

DAVID HOEKEL PARKWAY SOUTH UTILITY STUDY

Fund: Capital

Department: Engineering

Location: Area surrounding David Hoekel Parkway south of I-70

Project Cost: \$150,000 | **Outside Funding:** \$-0- | **City Cost:** \$150,000

Description and Justification: The recent construction of the Interstate 70 interchange at David Hoekel Parkway and the subsequent extension of David Hoekel Parkway to the south have provided new access to nearly 400 acres of land that is identified in the City’s Comprehensive Land Use Plan as a mixture of commercial and residential zoning. Few public utilities currently exist in this area. This project seeks to conceptually design the public water, wastewater, and stormwater needed for the anticipated development of this area. Future construction of this infrastructure would be in conjunction with development. This design is not expected to have an impact on the operating budget. However, the implementation of this design should result in lower future operational and maintenance costs.

Anticipated Benefit: A coordinated design of the utility needs for the area will be more efficient for the property owners as they design and develop the land and will be more efficient for the City’s operation and maintenance of these utilities. A plan may also help to entice development in this area.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$150,000	\$150,000	-	-	-	-

CREEKSIDE BASIN INFRASTRUCTURE

Fund: Capital

Department: Engineering – Stormwater

Location: Creekside Subdivision, Winding Creek Dr.

Project Cost: \$125,000 | **Outside Funding:** \$-0- | **City Cost:** \$125,000

Description and Justification: Public infrastructure can no longer be maintained due to a creek eroding around and compromising access (twin CMP culvert pipes) for the City and the HOA. As a result, heavy vegetation and sediment debris has accumulated in the basin outfall structure, posing maintenance and code enforcement issues related to standing water and mowing. Improved access needs to be restored and pipes and structures cleaned out. Inlet bypass in an upland location will also be addressed to optimize intake capacity so the basin and public infrastructure can function as designed for flood control. Design slated for funding using 2023 stormwater maintenance reserve account.

Anticipated Benefit: Stormwater infrastructure can adequately provide flood control and reduce code enforcement violations on private property.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$125,000	-	\$125,000	-	-	-

BEDFORD POINTE DR. STORMWATER IMPROVEMENTS

Fund: Capital
Department: Engineering – Stormwater
Location: 3874 and 3876 Bedford Pointe Dr.

Project Cost: \$56,000 | **Outside Funding:** \$-0- | **City Cost:** \$56,000

Description and Justification: Engineering consultant found that the pipe outfall appears to cause side bank erosion that will further impact infrastructure. Rock armor is no longer present. Baffle blocks (used to control erosion) and concrete slab have dropped, due to flanking by the outfall's flow. Conceptual alternatives were reviewed. The recommended approach is to extend and lower the outfall to the flowline of the receiving creek. The project includes a manhole drop structure to dissipate energy, extending the 48" pipe by 10 feet and adding rock armor and biostabilization to protect infrastructure. Design slated for funding using 2023 stormwater maintenance reserve.

Anticipated Benefit: Stormwater public infrastructure is adequately protected and private property damage claims are reduced.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$56,000	-	\$56,000	-	-	-

STORMWATER MAINTENANCE RESERVE

Fund: Capital

Department: Engineering – Stormwater

Location: Citywide

Project Cost: \$650,000 | **Outside Funding:** \$-0- | **City Cost:** \$650,000

Description and Justification: Unlike most municipal counterparts, the City does not have a dedicated revenue source or maintenance reserve to meet the needs of operating, maintaining and improving an aged stormwater system. Without dedicated revenue, the scope or scale of work undertaken on the stormwater system is limited to small reactive projects rather than proactive maintenance. As the aged infrastructure system ages, the City needs to establish a reserve to ensure funds are available for repair or maintenance to the system in the future.

Anticipated Benefit: Compliance with federal regulations, preservation of the existing system, reduced emergency repairs, improved functionality of the system and ability to develop capital improvements.

FUNDING SCHEDULE						
Total	BALANCE	2024	2025	2026	2027	2028
\$650,000	\$96,830	\$100,000	\$125,000	\$125,000	\$150,000	\$150,000

VEHICLES

Fund: Capital

Department: Engineering and Stormwater

Description and Justification: Purchase of replacement vehicles due to age, mileage and ongoing maintenance costs. Replacement will improve reliability, safety and reduce the likelihood of repairs exceeding the vehicles' value.

Anticipated Benefit: Reliability, reduction in repair and maintenance costs, and improved fuel economy.

1/2-TON CREW CAB 4x4 PICKUP TRUCK					
FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$560,980	\$165,600	-	\$128,260	\$131,440	\$135,680
	Engineering – Qty. 3		Engineering and Stormwater	Engineering – Qty. 2	Engineering – Qty. 2

COMPACT SUV – Engineering					
FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$33,040	-	\$33,040	-	-	-

MIDSIZE 4x4 PICKUP TRUCK – Engineering					
FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$37,200	-	-	-	\$37,200	-

PLOW TRUCK WITH SPREADER – Stormwater					
FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$128,000	-	-	-	-	\$128,000



Transportation

TRANSPORTATION

PROJECT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Transp. – Admin	Great Oaks Blvd. Extension	2,200,000	-	-	-	-	2,200,000
Transp. – Admin	Highway Z Widening	310,000	10,500,000	-	-	-	10,810,000
Transp. – Admin	Citywide Fiber Network	100,000	250,000	100,000	250,000	100,000	800,000
Transp. – Admin	Peine Road Safety Improvements	3,200,000	-	-	-	-	3,200,000
Transp. – Admin	Historic Downtown Revitalization	1,200,000	-	300,000	1,000,000	-	2,500,000
Transp. – Admin	Highway 61 Outer Road – Phase 2A	2,500,000	-	-	-	-	2,500,000
Transp. – Admin	Pearce at Linn Intersection Improvements	175,000	625,000	-	-	-	800,000
Transp. – Admin	Wentzville Parkway Sidewalk	600,000	-	-	-	-	600,000
Transp. – Admin	Wilmer Road Safety Improvements	-	-	100,000	450,000	2,800,000	3,350,000
Transp. – Admin	Mexico Road Safety Improvements	450,000	4,500,000	-	-	-	4,950,000
Transp. – Admin	Highway N Improvements	-	-	-	-	6,000,000	6,000,000
Transp. – Admin	North Point Prairie Road Study	400,000	-	-	-	-	400,000
Transp. – Admin	North Point Prairie Road Safety Improvements	-	-	-	-	500,000	500,000
Transp. – Admin	Railroad Quiet Zone	70,000	600,000	-	-	-	670,000
Transp. – Admin	Highway 61 Outer Road – Phase 2	1,100,000	-	100,000	9,000,000	-	10,200,000
Transp. – Admin	Highway 61 Outer Road – Phase 3	1,500,000	-	-	100,000	4,000,000	5,600,000
Transp. – Admin	North Service Road Curve Realignment	-	-	-	100,000	100,000	200,000
Transp. – Admin	David Hoekel Parkway Phase 3	5,000,000	20,000,000	20,000,000	-	-	45,000,000
Transp. – Admin	Quartz Canyon/Wilmer Meadow Connection	75,000	-	2,100,000	-	-	2,175,000
Transp. – Admin	Wentzville Parkway at Parkway Ridge Intersection	100,000	-	-	350,000	50,000	500,000
Transp. – Admin	Wentzville Parkway and West Meyer Slab Replacement	-	-	300,000	50,000	3,500,000	3,850,000
Transp. – Admin	Meyer Road Sidewalk Extension	-	100,000	-	-	-	100,000
Transp. – Admin	Northview Sidewalk Improvements	-	-	-	200,000	200,000	400,000
Transp.–Streets	Contracted Street and Sidewalk Maintenance	4,125,000	4,290,000	4,462,000	4,640,000	4,825,000	22,342,000

TRANSPORTATION

Transportation Funded Equipment:							
Transp.-Streets	Single-Axle Dump Truck w/Plow and Spreader	180,000	-	224,200	-	-	404,200
Transp.-Streets	Tandem-Axle Dump Truck w/Plow and Spreader	-	-	254,100	-	-	254,100
Transp.-Streets	Asphalt Patch Truck	-	-	-	-	271,400	271,400
Transp.-Streets	Plow Truck with Spreader	-	-	-	-	128,000	128,000
TOTAL		23,285,000	40,865,000	27,940,300	16,140,000	22,474,400	130,704,700

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Transp. – Streets	Skid-Steer Loader	75,000	-	-	-	-	75,000
Transp. – Streets	Mini-Excavator	-	-	80,000	-	-	80,000
Transp. – Streets	Towable Air Compressor	-	-	35,000	-	-	35,000
Transp. – Streets	High Pressure Power Washer/Steam Cleaner	-	-	8,500	-	-	8,500
Transp. – Streets	Tractor with ROW Mowing Arm	-	-	-	180,000	-	180,000
Transp. – Streets	Traffic Signal Detection Camera/PED Crossing Updates	35,000	36,000	37,000	38,000	38,000	184,000
TOTAL		110,000	36,000	160,500	218,000	38,000	562,500

TRANSPORTATION

TOTAL PROJECTS AND EQUIPMENT						
	2024	2025	2026	2027	2028	Five Year Total
TOTAL	23,395,000	40,901,000	28,100,800	16,358,000	22,512,400	131,267,200

FUNDING SOURCE						
Source	2024	2025	2026	2027	2028	Total
Capital Fund	110,000	36,000	160,500	218,000	38,000	562,500
Transportation Fund	11,023,968	11,140,492	8,490,300	7,905,000	8,749,400	47,309,160
St. Charles County Cost Share	9,415,201	22,452,877	19,300,000	7,935,000	11,850,000	70,953,078
MoDOT Cost Share	155,000	5,177,124	-	-	-	5,332,124
MoDOT Safety Funding	-	250,000	-	-	-	250,000
Federal STP	2,186,251	1,536,770	150,000	25,000	1,750,000	5,648,021
Federal TAP	428,080	-	-	100,000	100,000	628,080
Federal CMAQ	76,500	307,737	-	175,000	25,000	584,237
TOTAL	23,395,000	40,901,000	28,100,800	16,358,000	22,512,400	131,267,200

GREAT OAKS BLVD. EXTENSION

Fund: Transportation
Department: Administration
Location: Great Oaks Blvd. – Great Oaks to Timber Trace

Project Cost: \$3,430,000 | **Outside Funding:** \$1,696,000 | **City Cost:** \$1,734,000
 Planning/Engineering - \$180,000
 Pre-Construction - \$1,050,000
 Construction - \$2,200,000
 St. Charles County (50%) - \$1,696,000

Description and Justification: This project will construct approximately 2,200 feet of new collector roadway to connect the two existing sections of Great Oaks Blvd. in the Great Oaks and Timber Trace subdivisions. This road extension will provide a secondary means of ingress and egress to multiple subdivisions, which currently rely on Highway 61 as a primary access point. Continuing residential development north of the project has and will continue to increase the demand for this project and the access it will provide to Wentzville Parkway.

Anticipated Benefit: This project provides improved safety and access for the residents within the area and improved access for emergency services. This project will also provide relief to the adjacent subdivisions whose residential streets are currently serving as the local collector roadway.



FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$3,340,000	\$1,230,000	\$2,200,000	-	-	-	-
St. Charles County	\$96,000	\$1,600,000	-	-	-	-

HIGHWAY Z WIDENING

Fund: Transportation

Department: Administration

Location: Highway Z – Interstate Dr. to Perry Cate Blvd.

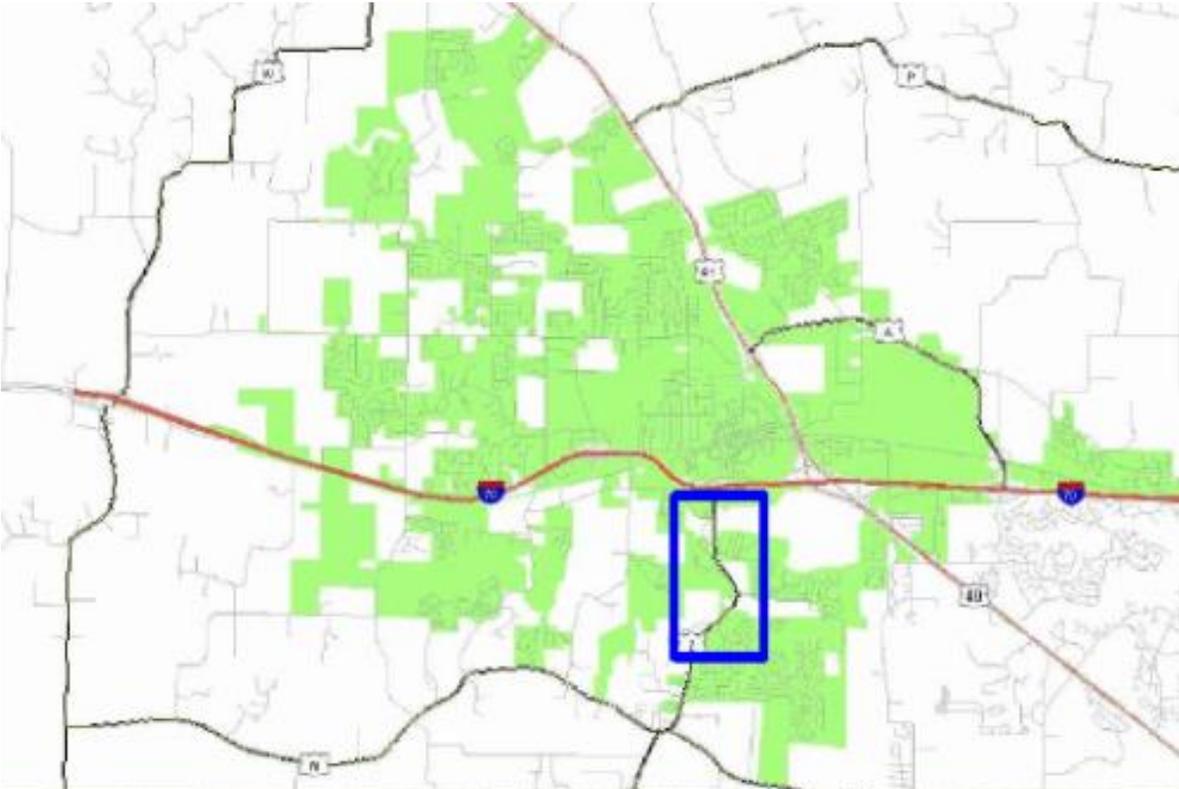
Project Cost: \$11,545,751 | **Outside Funding:** \$8,100,000 | **City Cost:** \$3,445,751
 Planning/Engineering - \$735,751
 Pre-Construction - \$310,000
 Construction - \$10,500,000
 St. Charles County (21%) - \$2,400,000
 MoDOT Cost Share (49%) - \$5,700,000

Description and Justification: Highway Z and several intersecting streets south of I-70 experience significant delays and queuing in both the morning and evening rush hours. Improvements are necessary to reduce vehicular delays and queueing on both mainline Route Z and the side-streets. This project will provide improvements to Highway Z between Interstate Drive and Perry Cate Boulevard, such as widening Highway Z to a 4-lane roadway with left and right turn lanes at primary intersections, widening of the bridge over Perouque Creek and the addition of a traffic signal at the intersection of Highway Z and Perouque Hill Parkway/Perouque Ridge Boulevard.

Anticipated Benefit: This project will reduce congestion, improve travel time, improve ride quality, improve safety, and increase capacity for residents that travel both northbound and southbound on Highway Z. This project will complement improvements at the intersection of Highway Z at Interstate Drive, which are planned for construction in 2023.

FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$11,545,751	\$735,751	\$310,000	\$10,500,000	-	-	-
St. Charles County	\$184,438	\$77,000	\$2,138,562	-	-	-
MoDOT Cost Share	\$367,876	\$155,000	\$5,177,124	-	-	-

HIGHWAY Z WIDENING



CITYWIDE FIBER NETWORK

Fund: Transportation

Department: Administration

Project Cost: \$1,300,000 | **Outside Funding:** \$500,000 | **City Cost:** \$600,000
 Federal American Rescue Plan Act - \$500,000

Description and Justification: The City teamed with St. Charles County to share the cost to develop a fiber system that connects many of the City’s facilities. Additional phases of the project are needed to complete the citywide fiber network of approximately 22 miles to interconnect all City buildings, City Parks, the Wastewater Treatment Plant, and Water Towers with a means of communications and data. This network will also share interconnectivity with the County’s existing Gateway Green Light fiber network serving our traffic signals.

Funding is allocated each year as a reserve to allow the City to partner with utilities and developers when opportunities arise to efficiently install sections of the fiber network. Additional funding is identified in even-numbered years for stand-alone projects to connect the network to specific facilities and intersections that were not possible through the FY2023 partnership with St. Charles County.

Anticipated Benefit: The proposed fiber network will increase the reliability and security of the City’s network, which is increasingly necessary as the City grows.

FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$1,300,000	\$500,000	\$100,000	\$250,000	\$100,000	\$250,000	\$100,000
Federal ARPA	\$500,000		-	-	-	-

PEINE ROAD SAFETY IMPROVEMENTS

Fund: Transportation

Department: Administration

Location: Peine Road from Somerset Manor Drive to Highway 61

Project Cost: \$4,772,453 | **Outside Funding:** \$2,250,000 | **City Cost:** \$2,522,453

Planning/Engineering - \$322,453

Pre-Construction - \$1,250,000

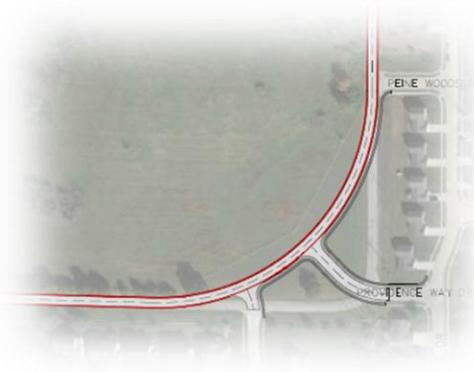
Construction - \$3,200,000

St. Charles County (21%) - \$1,000,000

Federal STP (26%) - \$1,250,000

Description and Justification: This project involves adding 3-foot-wide shoulders to both sides of Peine Road, asphalt overlay, and softening and realignment of the 90-degree curve between Peine Woods Drive and Stewart Springs Drive. The goal of this project is to address and improve the safety of Peine Road now that the completed Highway 61 interchange at Peine and Route P has increased traffic volume and renewed development interest along the Peine Road corridor.

Anticipated Benefit: Conversion of Peine Road from a rural road to a more modern collector road that can more safely support the additional traffic volume associated with an operation interchange at Highway 61 and continued residential growth in the area.



FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$4,772,453	\$1,572,453	\$3,200,000	-	-	-	-
St. Charles County	\$208,982	\$791,018	-	-	-	-
Federal STP	\$261,227	\$988,773	-	-	-	-

HISTORIC DOWNTOWN REVITALIZATION

Fund: Transportation
Department: Administration
Location: Historic Downtown

Project Cost: \$7,350,000 | **Outside Funding:** \$-0- | **City Cost:** \$7,350,000

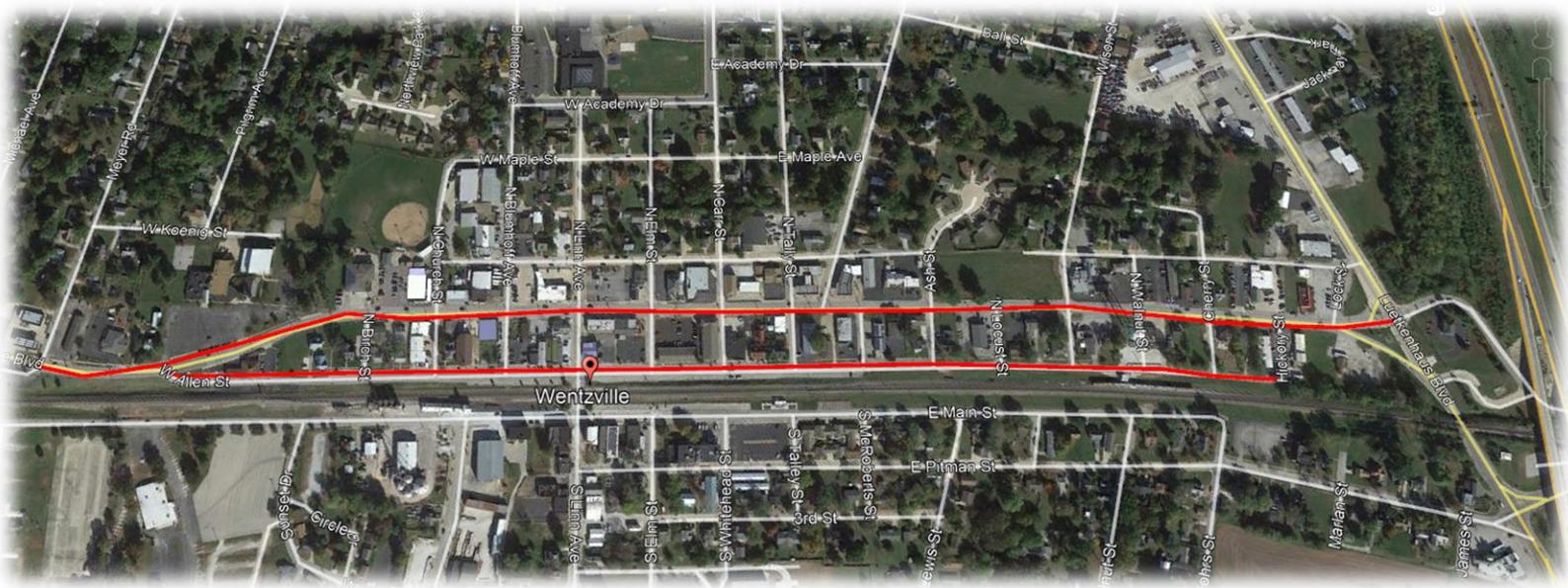
Description and Justification: This line item in the CIP involves various projects to enhance and improve public facilities in downtown Wentzville. This area generally includes along and around Pearce Avenue, Allen Street, Main Street, and East Pitman Avenue. Recent projects include the reconstruction of Allen Street between Blumhoff Avenue and Locust Street and intersection improvements at W. Pearce and Meyer Road. Projects may include pavement and sidewalk reconstruction along Main Street and the extension of Mar Le Drive with railroad underpass to intersect with West Pearce at Patricia. These projects may be eligible for partial CMAQ, State Cost Share, and/or County Road Board funding.

The project in FY2023-FY2024 will focus on the rehabilitation of Main Street between the Junction and Church Street. This project will involve roadway, stormwater, and pedestrian streetscape improvements to Main Street.

Anticipated Benefit: These projects would seek to improve accessibility and walkability, improve traffic flow for increased traffic, improve aesthetics, and expand on-street parking for the Historic Downtown, with the overall goal of making downtown Wentzville a more inviting and thriving place for residents, visitors, and business owners.

FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$7,350,000	\$4,850,000	\$1,200,000	-	\$300,000	\$1,000,000	-

HISTORIC DOWNTOWN REVITALIZATION



HIGHWAY 61 OUTER ROAD – PHASE 2A

Fund: Transportation

Department: Administration

Location: Wentzville Parkway – Meyer Road to Parkway Bridge

Project Cost: \$2,575,000 | **Outside Funding:** \$2,070,000 | **City Cost:** \$505,000

Pre-Construction (2023) - \$75,000

Construction (2024) – \$2,500,000

St. Charles County (36%) - \$920,000

Federal STP (45%) - \$1,150,000

Description and Justification: The pavement in this section of Wentzville Parkway is reaching the end of its anticipated life and needs large scale concrete replacement. This project will complete a full pavement replacement while also constructing the last section of center turn lane and lay the groundwork for Phase 2 of the Highway 61 Outer Road.

Anticipated Benefit: This project will provide the safety benefit of a center turn lane to existing businesses while laying the groundwork for the extension of the Highway 61 Outer Road north to provide safe access back into the City for several businesses and numerous residents. The project will also reduce ongoing maintenance costs of an aging pavement section and provide a lasting quality roadway that is typically used by more than 24,000 cars a day.



FUNDING SCHEDULE

Total	PRIOR	2024	2025	2026	2027	2028
\$2,575,000	\$75,000	\$2,500,000	-	-	-	-
St. Charles County	\$26,017	\$893,983	-	-	-	-
Federal STP	\$32,522	\$1,117,478	-	-	-	-

PEARCE AT LINN INTERSECTION IMPROVEMENTS

Fund: Transportation
Department: Administration
Location: Intersection of Pearce Boulevard at Linn Avenue

Project Cost: \$900,000 | **Outside Funding:** \$778,500 | **City Cost:** \$121,500
 Design - \$100,000
 Pre-Construction - \$175,000
 Construction - \$625,000
 St. Charles County (38%) - \$346,000
 Federal CMAQ (48%) - \$432,500

Description and Justification: This project will replace the existing four-way stop with a traffic signal at the intersection of Pearce Boulevard at Linn Avenue, which is required to update this intersection to meet current traffic demands. The new signal will be accompanied by sidewalk and pavement improvements at this intersection that will address pedestrian accessibility needs.

Anticipated Benefit: This project will convert the intersection of Pearce at Linn into a more efficient and accessible intersection that will be consistent with the 2018 Wentzville Historic Downtown Transportation Revitalization study.

FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$900,000	\$100,000	\$175,000	\$625,000	-	-	-
St. Charles County	\$38,160	\$61,200	\$246,190	-	-	-
Federal CMAQ	\$48,263	\$76,500	\$307,737	-	-	-

WENTZVILLE PARKWAY SIDEWALK

Fund: Transportation

Department: Administration

Location: Sidewalk on Wentzville Parkway – Westbound I-70 Off-Ramp to West Pearce Boulevard

Project Cost: \$677,495 | **Outside Funding:** \$496,000 | **City Cost:** \$181,495

Design - \$74,495

Pre-Construction - \$3,000

Construction - \$600,000

Federal TAP (73%) - \$496,000

Description and Justification: This project will consist of constructing a six-foot wide concrete sidewalk along the east side of Wentzville Parkway from the westbound Interstate 70 off-ramp to the intersection of Wentzville Parkway and West Pearce Boulevard. This sidewalk extension will complement additional pedestrian facilities planned through the Wentzville Parkway South Phase 1 project to allow for a pedestrian route that will connect the City's current sidewalk and trail network on the north side of Interstate 70 to the sidewalk and trail network on the south side of Interstate 70.

Anticipated Benefit: This project will provide City residents with pedestrian route over Interstate 70, which will connect the City's sidewalk and trail networks on the north and south side of Interstate 70.

FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$677,495	\$77,495	\$600,000	-	-	-	-
Federal TAP	\$57,760	\$428,080	-	-	-	-

WILMER ROAD SAFETY IMPROVEMENTS

Fund: Transportation

Department: Administration

Location: Wilmer Road (Interstate Drive to Peruque Creek)

Project Cost: \$3,650,000 | **Outside Funding:** \$2,920,000 | **City Cost:** \$730,000

Planning and Engineering (2023 and 2026) - \$400,000

Pre-Construction (2027) – \$450,000

Construction (2028) - \$2,800,000

St. Charles County (80%) - \$2,920,000

Description and Justification: This project will add five-foot-wide shoulders along both sides of Wilmer Road in addition to other safety improvements. The wider shoulders will also better accommodate bicycle use. These improvements are needed to help Wilmer Road evolve from a rural road to the collector road it has become.

Anticipated Benefit: This project will improve safety along the Wilmer Road corridor for existing traffic and in anticipation of increased traffic volumes associated with continued residential growth in the area. The preliminary engineering in FY2023 will help the City best understand the scope of the improvements needed for Wilmer Road, which will strengthen the City’s future requests for County and possibly federal funding for this project.



FUNDING SCHEDULE

Total	PRIOR	2024	2025	2026	2027	2028
\$3,650,000	\$300,000	-	-	\$100,000	\$450,000	\$2,800,000
St. Charles County	\$240,000	-	-	\$80,000	\$360,000	\$2,240,000

MEXICO ROAD SAFETY IMPROVEMENTS

Fund: Transportation

Department: Administration

Location: Mexico Road from Josephville Road to Midland Park Drive

Project Cost: \$5,460,000 | **Outside Funding:** \$4,360,000 | **City Cost:** \$1,100,000

Design - \$510,000

Pre-Construction - \$450,000

Construction - \$4,500,000

Federal STP (33%) - \$1,800,000

St. Charles County (47%) - \$2,560,000

Description and Justification: The pavement along Mexico Road between Josephville Road and Midland Park Drive is reaching the end of its anticipated life cycle and is in need of pavement repairs and replacement of the driving surface. This project will supplement these maintenance needs with roadway widening to add shoulders and create standard lane widths, which will improve the safety of Mexico Road.

Anticipated Benefit: This project will result in improved ride quality, improved safety, and reduced annual maintenance costs while considerably extending the serviceable life of the roadway.



FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$5,460,000	\$510,000	\$450,000	\$4,500,000	-	-	-
St. Charles County	\$259,875	\$232,000	\$2,068,125	-	-	-
Federal STP	\$183,230	\$80,000	\$1,536,770	-	-	-

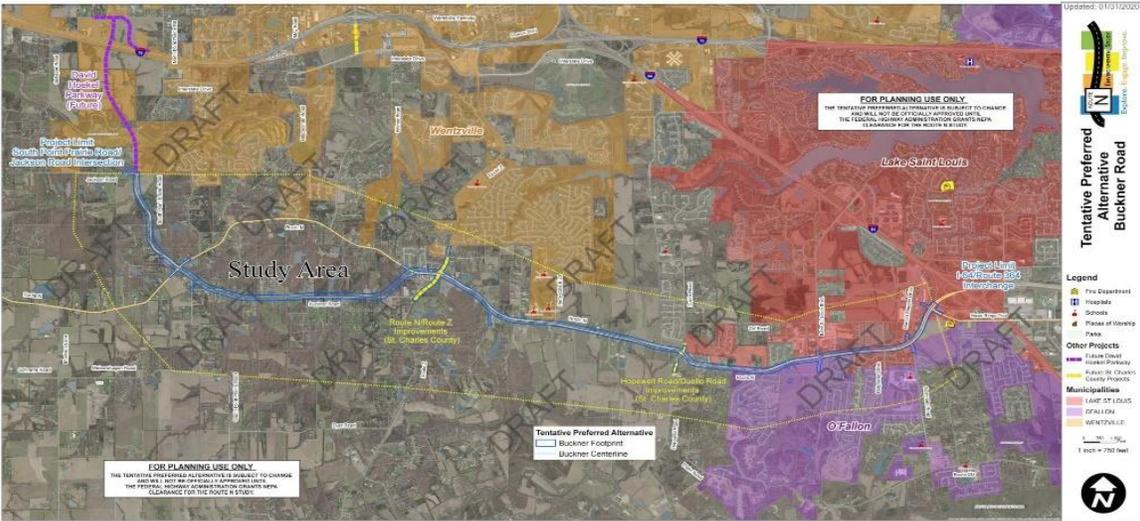
HIGHWAY N IMPROVEMENTS

Fund: Transportation
Department: Administration
Location: Highway N

Project Cost: \$12,000,000 | **Outside Funding:** \$10,800,000 | **City Cost:** \$1,200,000
 Phase 2A (2028) – St. Charles County (80%) - \$4,800,000
 Phase 2B (Future) – St. Charles County (100%) - \$6,000,000

Description and Justification: The Highway N widening project is sponsored by St. Charles County with support from MoDOT for the Environmental Study. It is not currently on the Statewide Transportation Improvement Program (STIP), but funding is being set aside by St. Charles County for a portion of these improvements. The County has indicated they may seek up to 20% participation from Wentzville for design/construction of Highway N improvements that border the City’s southern planning boundary.

Anticipated Benefit: Highway N is a major arterial connecting Wentzville via Route Z to I-64 and to I-70. Expansion to a 3-lane section will improve safety and increase volume capacity of this route which provides an alternate transportation route for residents and businesses when the Interstates are congested.



FUNDING SCHEDULE					
Total (FY24-FY28)	2024	2025	2026	2027	2028
\$6,000,000	-	-	-	-	\$6,000,000
St. Charles County	-	-	-	-	\$4,800,000

NORTH POINT PRAIRIE ROAD STUDY

Fund: Transportation

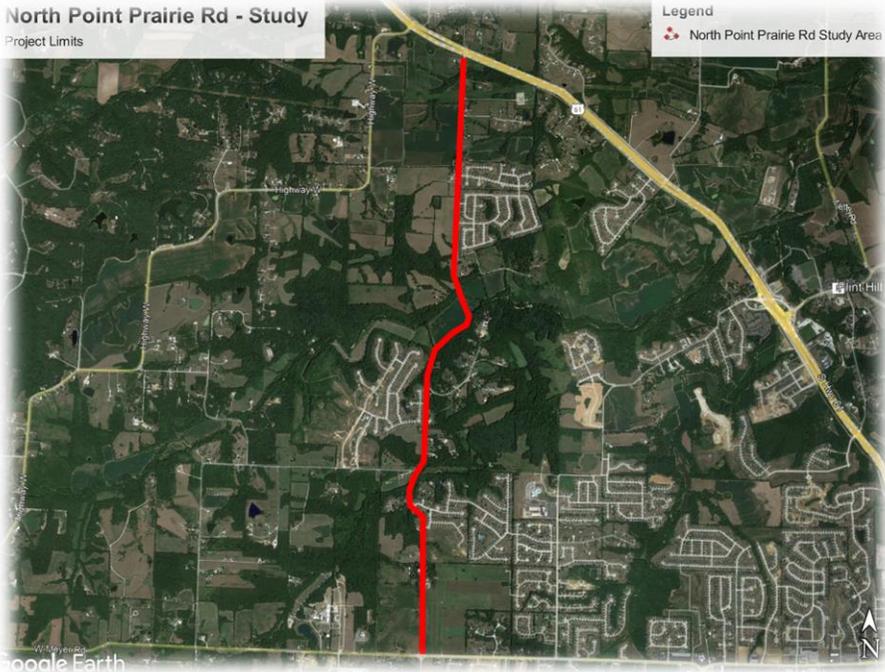
Department: Administration

Location: North Point Prairie Road (North Service Road to Highway 61)

Project Cost: \$400,000 | **Outside Funding:** \$-0- | **City Cost:** \$400,000

Description and Justification: This study will investigate and develop a potential transportation improvement plan for North Point Prairie Road from North Service Road to Highway 61. This high-level transportation analysis will review development to date, future projections, and the impact of a completed David Hoekel Parkway to develop conceptual plans that will help guide future improvements along North Point Prairie.

Anticipated Benefit: The study will identify potential transportation improvements related to safety, access, reduced congestion and increased level of service for residents within the project limits. The study will serve as a guide for future improvement projects and will be used as a basis for funding applications.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$400,000	\$400,000	-	-	-	-

NORTH POINT PRAIRIE SAFETY IMPROVEMENTS – PHASE 1

Fund: Transportation
Department: Administration
Location: North Point Prairie Road

Project Cost: \$6,000,000 | **Outside Funding:** \$4,800,000 | **City Cost:** \$1,200,000
 Planning/Engineering (2028) - \$500,000
 Pre-Construction (2029) - \$500,000
 Construction (2030) - \$5,000,000
 St. Charles County (80%) - \$4,800,000

Description and Justification: This project would be the first of what is anticipated to be several phases of improvements to North Point Prairie Road that will be recommended by the FY2024 study. Although the specific project details have not yet been determined, the project is likely to involve adding shoulders to North Point Prairie, drainage culvert replacements or extensions, and asphalt paving. The addition of a sidewalk could be incorporated into this project if found to be feasible and recommended through the FY2024 study.

North Point Prairie Road is intermittently controlled by the City of Wentzville and St. Charles County, but the project will likely need to extend beyond the City’s sections of the road. This project anticipates a partnership with the County and funding participation from the County.

Anticipated Benefit: The primary benefit of this project would be safety. This project would seek to update North Point Prairie Road to serve as the collector roadway that it has become over time.

FUNDING SCHEDULE					
Total (FY24-FY28)	2024	2025	2026	2027	2028
\$500,000	-	-	-	-	\$500,000
St. Charles County	-	-	-	-	\$400,000

RAILROAD QUIET ZONE

Fund: Transportation

Department: Administration

Location: Linn, Wilmer, South Point Prairie, and Hepperman Crossings

Project Cost: \$670,000 | **Outside Funding:** \$250,000 | **City Cost:** \$420,000

Planning/Engineering - \$60,000

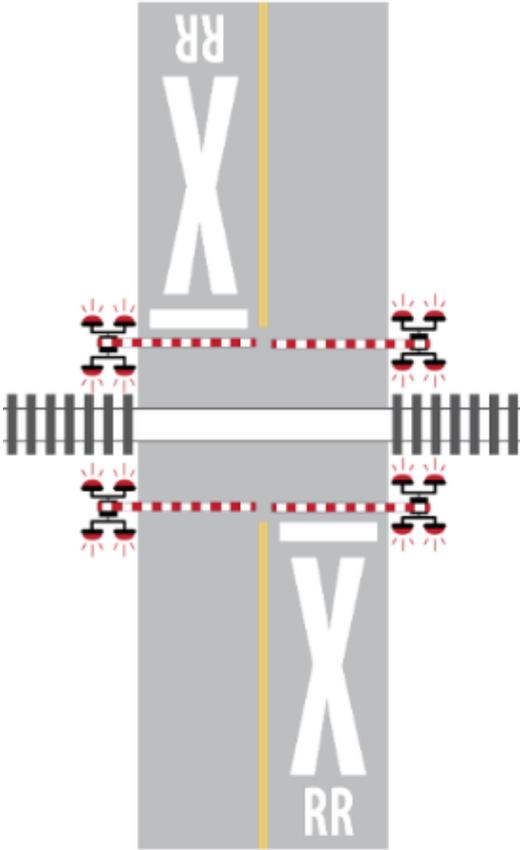
Pre-Construction - \$10,000

Construction - \$600,000

MoDOT Safety Funding - \$250,000

Description and Justification: It is anticipated that quad gates will be needed for installation at both the Linn at-grade and Hepperman at-grade railroad crossings. The cost estimate for quad gates is \$250,000 per location. MoDOT safety funding may be able to reimburse up to \$250,000 in the event that two additional at-grade crossings are closed as part of the Quiet Zone Initiative. The crossings for closure consideration are Wilmer and South Point Prairie with closure costs estimated at \$50,000 per location.

Anticipated Benefit: The anticipated benefit of the railroad quiet zone would be the quality of life for the business and residents that live and work near the railroad and near the existing at-grade crossings. This railroad quiet zone would greatly eliminate the need for trains to blow their horns when approaching and crossing an at-grade crossing. The addition of safety enhancements would benefit people who drive, walk or bike in the vicinity of rail crossings. A quiet zone may also spur economic development within downtown with the near elimination of loud train horns affecting local businesses.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$670,000	\$70,000	\$600,000	-	-	-
MoDOT Safety	-	\$250,000	-	-	-

HIGHWAY 61 OUTER ROAD – PHASE 2

Fund: Transportation

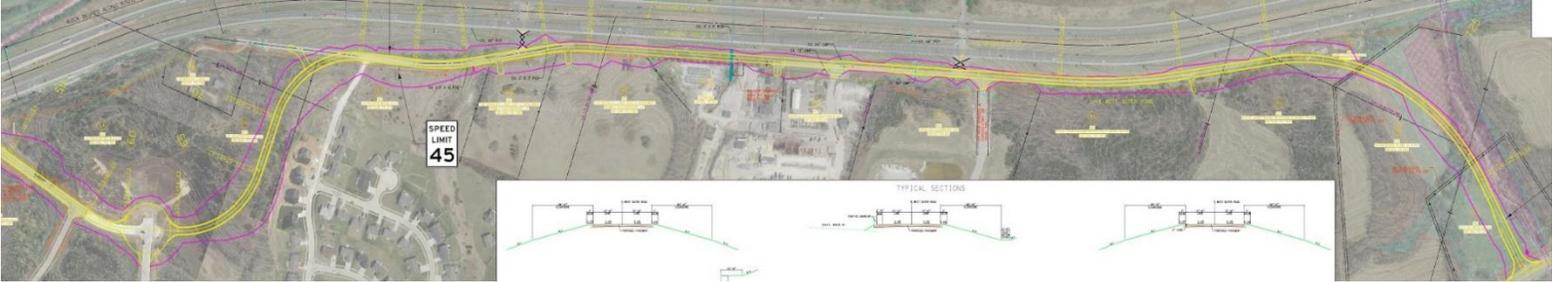
Department: Administration

Location: Highway 61 West Outer Road (Wentzville Parkway to Timber Trace)

Project Cost: \$10,738,200 | **Outside Funding:** \$8,370,560 | **City Cost:** \$2,367,640
 Design - \$638,200
 Pre-Construction - \$1,100,000
 Construction - \$9,000,000
 St. Charles County (80% of design to date) - \$430,560
 St. Charles County (60% of acquisition costs) - \$660,000
 St. Charles County (80% of construction) - \$7,280,000

Description and Justification: The project will include the construction of a new, two-lane roadway from north of Timber Trace Crossing to Wentzville Parkway, approximately 1.5 miles in length. The new roadway will act as outer road for Highway 61 and will provide additional connection to Wentzville Parkway from the developing northern areas of the City. The City has secured funding from St. Charles County incrementally for this project: first, for preliminary design; second, for land acquisition. Additional funding will be sought for final design and construction when the land acquisition is nearing completion.

Anticipated Benefit: The project will serve as a relief route for Highway 61 and improve safe access to the Wentzville Parkway corridor from the northern areas of the City. Phase 2 is a component of the overall West Outer Road that will satisfy a key component of the City's Transportation Master Plan to create a transportation link to the heart of the City, connect expanding residential areas to businesses, and provide additional economic development opportunities.



FUNDING SCHEDULE

Total	PRIOR	2024	2025	2026	2027	2028
\$10,738,200	\$538,200	\$1,100,000	-	\$100,000	\$9,000,000	-
St. Charles County	\$430,560	\$660,000	-	\$80,000	\$7,200,000	-

HIGHWAY 61 OUTER ROAD – PHASE 3

Fund: Transportation

Department: Administration

Location: Highway 61 West Outer Road (Timber Trace to Peine Road)

Project Cost: \$6,138,200 | **Outside Funding:** \$4,310,560 | **City Cost:** \$1,827,640

Design - \$638,200

Pre-Construction - \$1,000,000

Construction - \$4,500,000

St. Charles County (80% of design to date) - \$430,560

St. Charles County (60% of acquisition costs) - \$600,000

St. Charles County (70% of construction) - \$3,280,000

Description and Justification: The project will include the construction of approximately 2,000 feet of new, two-lane outer road from Timber Trace Crossing to the newly constructed outer road at Jockey’s Run. This project will complete a multi-year effort to add an outer road along the west side of Highway 61, from Wentzville Parkway to Peine Road, as envisioned in the City’s Thoroughfare Plan. The City plans to seek outside funding through both the St. Charles County Road Board and the Federal STP or State Cost Share grant programs.

Additional funding is allocated in FY2024 in anticipation of a potential cost-sharing opportunity for construction of a portion of this project.

Anticipated Benefit: This project will help meet the traffic and interconnectivity demands that have been created by development along Peine Road and Great Oaks Boulevard.

FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$6,138,200	\$538,200	\$1,500,000	-	-	\$100,000	\$4,000,000
St. Charles County	\$430,560	\$600,000	-	-	\$80,000	\$3,200,000

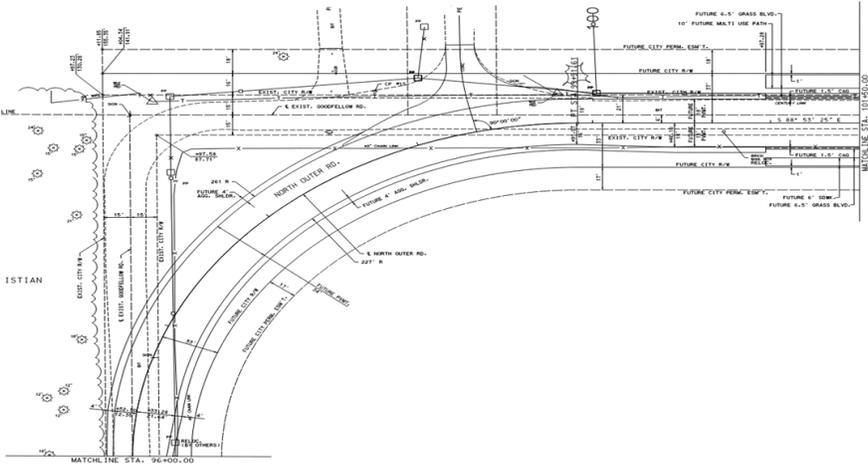
NORTH SERVICE ROAD CURVE REALIGNMENT

Fund: Transportation
Department: Administration
Location: North Service Road west of David Hoekel Parkway

Project Cost: \$800,000 | **Outside Funding:** \$640,000 | **City Cost:** \$160,000
 Planning and Engineering (2027) - \$100,000
 Pre-Construction (2028) - \$100,000
 Construction (2029) - \$600,000
 St. Charles County (80%) - \$640,000

Description and Justification: The project will improve the curve radius of North Service Road near Gittemeier Drive in order to increase roadway safety. This project pairs lane widening, 4-foot aggregate shoulders, rumble strips, elimination of roadside hazards, and improved striping and signage with the proposed curve improvements to further increase roadway safety.

Anticipated Benefit: Improve safety of the North Service Road corridor in anticipation of increased traffic volumes associated with the continued residential and commercial growth in the area.



FUNDING SCHEDULE					
Total (FY24-FY28)	2024	2025	2026	2027	2028
\$200,000	-	-	-	\$100,000	\$100,000
St. Charles County	-	-	-	\$80,000	\$80,000

DAVID HOEKEL PARKWAY PHASE 3

Fund: Transportation
Department: Administration
Location: West Meyer Road to Highway 61

Project Cost: \$48,700,000 | **Outside Funding:** \$43,335,000 | **City Cost:** \$5,365,000
 Planning and Engineering - \$3,150,000
 Pre-Construction - \$5,550,000
 Construction - \$40,000,000
 St. Charles County (89%) - \$43,335,000

Description and Justification: This project will extend two lanes of David Hoekel Parkway north of West Meyer Road to North Point Prairie Drive and then east to the interchange of Highway 61 at Peine Road, as envisioned in the City’s Thoroughfare Plan. This roadway extension will complete a continuous David Hoekel Parkway between Highway 61 and Interstate 70 well in advance of the original planned date. The extension of David Hoekel Parkway will relieve pressure on North Point Prairie Drive, Peine Road, and Scotti Road as areas in northern Wentzville develop.

The City of Wentzville assumed management responsibility for the remaining work related to David Hoekel Parkway with support from St. Charles County and with the understanding that substantial funding assistance would be provided by St. Charles County.

Anticipated Benefit: Construction of David Hoekel Parkway will provide a roadway that meets today’s design standards, that allows for an accessible pedestrian route, and that will more efficiently and more safely move traffic than the existing roadway network.

FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$48,700,000	\$3,700,000	\$5,000,000	\$20,000,000	\$20,000,000	-	-
St. Charles County	\$2,835,000	\$4,500,000	\$18,000,000	\$18,000,000	-	-

QUARTZ CANYON/WILMER MEADOW CONNECTION

Fund: Transportation

Department: Administration

Location: Quartz Canyon Drive 900 feet south of Interstate Drive

Project Cost: \$2,175,000 | **Outside Funding:** \$1,050,000 | **City Cost:** \$1,125,000
 Design - \$75,000
 Construction - \$2,100,000
 St. Charles County (50%) - \$1,050,000

Description and Justification: This project will involve the design and construction of approximately 800 feet of new roadway along Peruque Creek to provide the Wilmer Valley and Hawk Estates subdivisions with a connection to Interstate Drive. These two subdivisions currently have only one connection point on Wilmer Road.

Anticipated Benefit: The project will provide a new access to two subdivisions, which will help ease traffic demand on Wilmer Valley Drive and will give residents and municipal and emergency services an alternate route to and from these subdivisions.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$2,175,000	\$75,000	-	\$2,100,000	-	-
St. Charles County	-	-	\$1,050,000	-	-

WENTZVILLE PARKWAY AT PARKWAY RIDGE INTERSECTION IMPROVEMENTS

Fund: Transportation

Department: Administration

Location: Wentzville Parkway (Luetkenhaus Boulevard to 650 feet west of Parkway Ridge Boulevard)

Project Cost: \$3,750,000 | **Outside Funding:** \$3,285,000 | **City Cost:** \$465,000
 Planning/Engineering (2024 and 2027) - \$450,000
 Pre-Construction (2028) - \$50,000
 Construction (2029) - \$3,250,000
 St. Charles County (40%) - \$1,460,000
 Federal CMAQ (49%) - \$1,825,000

Description and Justification: The intersection of Wentzville Parkway at Parkway Ridge has reached its operating capacity, and the pavement at this intersection requires significant concrete slab replacement in the near future. This project envisions roadway replacement, roadway widening, and the construction of a traffic signal at the intersection of Wentzville Parkway and Parkway Ridge.

A study in FY2024 will help identify the proper scope of this project to suit future traffic demands. This study will serve as a basis for future applications for County and federal grant assistance. A partnership with the adjacent property owners could also be established to fund a portion of this project and perhaps accelerate the schedule for construction.

Anticipated Benefit: Reconstructing this intersection will add the capacity needed to limit traffic congestion as this area continues to develop. The City could take the position that intersection improvements need to be made by the adjacent developments as those developments add traffic stress to this intersection. However, the benefit of the City taking a broader view of the situation would be that the all drivers along Wentzville Parkway will experience reduced construction time at the intersection.

FUNDING SCHEDULE					
Total (FY24-FY28)	2024	2025	2026	2027	2028
\$500,000	\$100,000	-	-	\$350,000	\$50,000
St. Charles County	-	-	-	\$140,000	\$20,000
Federal CMAQ	-	-	-	\$175,000	\$25,000

WENTZVILLE PARKWAY AND WEST MEYER ROAD SLAB REPLACEMENT

Fund: Transportation

Department: Administration

Location: Wentzville Parkway and West Meyer Road

Project Cost: \$3,850,000 | **Outside Funding:** \$3,080,000 | **City Cost:** \$770,000
 Planning/Engineering - \$300,000
 Pre-Construction - \$50,000
 Construction - \$3,500,000
 St. Charles County (30%) - \$1,155,000
 Federal STP (50%) - \$1,925,000

Description and Justification: The concrete pavement of portions of Wentzville Parkway and West Meyer Road has aged and deteriorated to the point where frequent maintenance is required to provide a smooth driving surface. These streets require selective concrete slab replacement, but the scope of the work is beyond what the City’s annual concrete program can accommodate without significantly reducing pavement maintenance in residential areas. A larger, grant-funded project is the recommended alternative.

Anticipated Benefit: Wentzville Parkway and West Meyer Road are some of the City’s most heavily traveled roadways. Long-term improvements to the pavement conditions on these streets will benefit motorists and will limit the need for the City’s Public Works staff to constantly monitor and patch the deteriorated pavement.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$3,850,000	-	-	\$300,000	\$50,000	\$3,500,000
St. Charles County	-	-	\$90,000	\$15,000	\$1,050,000
Federal STP	-	-	\$150,000	\$25,000	\$1,750,000

MEYER ROAD SIDEWALK EXTENSION

Fund: Transportation

Department: Administration

Location: Wentzville Parkway and West Meyer Road

Project Cost: \$1,950,000 | **Outside Funding:** \$1,480,000 | **City Cost:** \$470,000

Planning/Engineering (2025 and 2029) - \$250,000

Pre-Construction (2030) - \$200,000

Construction (2031) - \$1,500,000

St. Charles County (28%) - \$555,000

Federal TAP (47%) - \$925,000

Description and Justification: A sidewalk runs along the length of Meyer Road from Wentzville Parkway until Northview Avenue, but no sidewalk exists south of Northview. This project would begin with a study to evaluate the feasibility and public support for extending the Meyer Road sidewalk to connect to the downtown area. Additional connections could be made to Fireman’s Park and to East Allen Street. This study would be used to help define and justify the City’s applications for County and federal funding for this project.

Anticipated Benefit: The extension of the Meyer Road sidewalk would help connect the residential sidewalk along Northview to the downtown area and to Fireman’s Park. In so doing, the project would promote a more walkable community.

FUNDING SCHEDULE					
Total (FY24-FY28) \$100,000	2024	2025	2026	2027	2028
	-	\$100,000	-	-	-
St. Charles County	-	-	-	-	-
Federal STP	-	-	-	-	-

NORTHVIEW SIDEWALK IMPROVEMENTS

Fund: Transportation

Department: Administration

Location: Northview Avenue (Northview Court to Blumhoff Avenue)

Project Cost: \$1,900,000 | **Outside Funding:** \$1,520,000 | **City Cost:** \$380,000

Planning/Engineering - \$200,000

Pre-Construction - \$200,000

Construction (2029) - \$1,500,000

St. Charles County (30%) - \$570,000

Federal TAP (50%) - \$950,000

Description and Justification: The sidewalk that runs along the north side of Northview Drive between Holt High School and Heritage Elementary School requires accessibility upgrades at most intersections and sidewalk extensions and modifications to connect to sidewalks on the south side of Northview Avenue.

Anticipated Benefit: The proposed sidewalk upgrades would promote a more walkable community by providing an accessible pedestrian route that serves the neighborhood and two schools.

FUNDING SCHEDULE					
Total (FY24-FY28)	2024	2025	2026	2027	2028
\$400,000	-	-	-	\$200,000	\$200,000
St. Charles County	-	-	-	\$60,000	\$60,000
Federal TAP	-	-	-	\$100,000	\$100,000

CONTRACTED STREET AND SIDEWALK MAINTENANCE – ASPHALT AND CONCRETE REPLACEMENT

Fund: Transportation
Department: Engineering and Public Works
Location: Citywide

Project Cost: \$22,342,000 | **Outside Funding:** \$-0- | **City Cost:** \$22,342,000
 St. Charles County (2022 - 2023) - \$1,400,000

Description: Ongoing street and sidewalk maintenance based on the pavement condition index (PCI) condition rating, as well as factors such as average daily traffic (ADT), coordination with other projects, and safety.



FUNDING SCHEDULE

	PRIOR	2024	2025	2026	2027	2028
Total (FY24-FY28) \$22,342,000	\$4,000,000	\$4,125,000	\$4,290,000	\$4,462,000	\$4,640,000	\$4,825,000
St. Charles County	\$1,400,000	-	-	-	-	-

SINGLE-AXLE DUMP TRUCK WITH PLOW AND SPREADER

Fund: Transportation

Department: Transportation – Streets

Project Cost: \$404,200 | **Outside Funding:** \$-0- | **City Cost:** \$404,200

Description and Justification: Purchase of three (one per year) single-axle dump trucks with plow and spreader. These dump trucks will replace two existing and one will be added to the current fleet.

Anticipated Benefit: The addition of this vehicle allows for a more efficient snow removal operation. Trucks of this size are better equipped to handle large snow fall of three or more inches.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$404,200	\$180,000	-	\$224,200	-	-

TANDEM-AXLE DUMP TRUCK WITH PLOW, SPREADER, AND BRINE TANK

Fund: Transportation

Department: Transportation – Streets

Project Cost: \$254,100 | **Outside Funding:** \$-0- | **City Cost:** \$254,100

Description and Justification: Tandem-axle dump truck with plow and spreader. These dump trucks will replace one existing dump truck that exhibits considerable wear and tear, and is accompanied by high maintenance costs due to age and use and will add one dump truck to the current fleet. Dump truck is a material hauler and snow plow vehicle, which is considered heavy duty.

Anticipated Benefit: All equipment is placed on a regular replacement schedule where it is replaced after a fixed number of years to maintain fleet reliability during emergency operations and to minimize out of service time and repair costs associated with heavy use of aged equipment. Tandem trucks are critical pieces of the street pavement repair and snow removal operations and must be replaced every 10 years to ensure availability during critical and emergency-response events.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$254,100	-	-	\$254,100	-	-

ASPHALT PATCH TRUCK

Fund: Transportation

Department: Transportation – Streets

Project Cost: \$271,400 | **Outside Funding:** \$-0- | **City Cost:** \$271,400

Description and Justification: Purchase of an asphalt patch truck to replace a 2015 model to keep productivity of patching operations at a high level.

Anticipated Benefit: Increase reliability and reduce maintenance costs while also reducing response time to pothole patching requests.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$271,400	-	-	-	-	\$271,400

PLOW TRUCK WITH SPREADER

Fund: Transportation
Department: Transportation – Streets

Project Cost: \$128,000 | **Outside Funding:** \$-0- | **City Cost:** \$128,000

Description and Justification: Purchase of a plow truck to replace a 2018 model.

Anticipated Benefit: Increase reliability and reduce maintenance costs due to the aging of the truck.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$128,000	-	-	-	-	\$128,000

SKID-STEER LOADER

Fund: Capital
Department: Transportation – Streets

Project Cost: \$75,000 | **Outside Funding:** \$-0- | **City Cost:** \$75,000

Description and Justification: Purchase of a skid-steer loader to replace an outdated 2014 model of similar nature that has been in service for many years, exhibits considerable wear and tear, and is accompanied by maintenance costs due to age and use.

Anticipated Benefit: This skid-steer loader is on a three-year replacement cycle as it is the work horse of small equipment. In addition to standard loading, dumping and material moving, this equipment attaches to, and runs numerous attachments used for different situation of street work, such as fork-lift forks for moving pallets and materials, Concrete and Asphalt Breaker HB 980, Finish Grinder 24” high flow Planer for the removal of asphalt and concrete, and a new attachment which is the Rock Saw (included in this bid). These attachments exert enormous pressures/vibrations on the loader.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$75,000	\$75,000	-	-	-	-

MINI-EXCAVATOR

Fund: Capital

Department: Transportation – Streets

Project Cost: \$80,000 | **Outside Funding:** \$-0- | **City Cost:** \$80,000

Description and Justification: Purchase of a mini-excavator to replace an outdated 2017 model of similar nature that has been in service for many years, exhibits considerable wear and tear, and is accompanied by maintenance costs due to age and use.

Anticipated Benefit: All equipment is placed on a regular replacement schedule where it is replaced after a fixed number of years to maintain fleet reliability and to minimize out of service time and repair costs associated with heavy use of aged equipment.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$80,000	-	-	\$80,000	-	-

TOWABLE AIR COMPRESSOR

Fund: Capital

Department: Transportation – Streets

Project Cost: \$35,000 | **Outside Funding:** \$-0- | **City Cost:** \$35,000

Description and Justification: Purchase of a towable air compressor to replace an outdated 2008 model of similar nature that has been in service for many years, exhibits considerable wear and tear, and is accompanied by maintenance costs due to age and use.

Anticipated Benefit: Replacement of aging compressor to reduce down time and expenses due to repairs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$35,000	-	-	\$35,000	-	-

HIGH PRESSURE POWER WASHER/STEAM CLEANER

Fund: Capital
Department: Transportation – Streets

Project Cost: \$8,500 | **Outside Funding:** \$-0- | **City Cost:** \$8,500

Description and Justification: Purchase of a pressure washer to replace an outdated 1996 model of similar nature that has been in service for many years, exhibits considerable wear and tear, and is accompanied by maintenance costs due to age and use.

Anticipated Benefit: Equipment is reaching the end of service life and needs to be replaced before maintenance costs outweigh the purchase of a new machine.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$8,500	-	-	\$8,500	-	-

TRACTOR WITH ROW MOWING ARM

Fund: Capital
Department: Transportation – Streets

Project Cost: \$180,000 | **Outside Funding:** \$-0- | **City Cost:** \$180,000

Description and Justification: Purchase of a tractor with ROW mowing arm. Replace outdated 1997 model of similar nature that has been in service for many years, exhibits considerable wear and tear, and is accompanied by high maintenance costs due to age and use.

Anticipated Benefit: The City has placed equipment on a regular replacement schedule. Equipment will be replaced after a fixed number of years, before it has the opportunity to become a financial drain. Naturally, vehicles wearing out before expected will be replaced prior to their schedule, and those remaining in good condition when replacement is otherwise scheduled will be retained for additional years. The City intends to adhere to the schedule in order to minimize long-term maintenance costs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$180,000	-	-	-	\$180,000	-

TRAFFIC SIGNAL DETECTION CAMERA/PED CROSSING UPDATES

Fund: Capital

Department: Transportation – Streets

Project Cost: \$184,000 | **Outside Funding:** \$-0- | **City Cost:** \$184,000

Description and Justification: Replace an outdated traffic signal detection system and/or pedestrian crossing components that have been in service for more than 15 years and exhibit considerable reliability issues due to wear and tear. Traffic detection cameras detect the presence of vehicles and allow traffic signals to respond to changes in the traffic volumes by varying the length of lights.

Anticipated Benefit: Improved vehicle detection, reliability and reduction in repair and maintenance costs and improved reliability of pedestrian crosswalks.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$184,000	\$35,000	\$36,000	\$37,000	\$38,000	\$38,000



Public Works

PUBLIC WORKS

PROJECT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
PW – Admin	Public Works Facility	8,000,000	-	-	-	-	8,000,000
PW – Facility Op.	Public Works Facility – Long-Term Retrofit	-	350,000	-	-	-	350,000
PW – Admin	General Land Acquisition	400,000	400,000	400,000	400,000	400,000	2,000,000
PW – Streets	David Hoekel Parkway Lighting at Interstate	-	50,000	-	-	-	50,000
TOTAL		8,400,000	800,000	400,000	400,000	400,000	10,400,000

PUBLIC WORKS

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
PW – Admin	Multi-Purpose Standby Generator	13,000	-	-	-	-	13,000
PW – Street Sign.	Metrotech vLoc/9800 Locator	15,000	-	-	-	-	15,000
PW – Street Sign.	Temporary Traffic Signal/Flagger Unit	90,000	-	-	-	-	90,000
PW – Facility Op.	Electrical Van	52,900	-	-	-	-	52,900
PW – Facility Op.	Forklift	38,000	-	-	-	-	38,000
PW – Facility Op.	Dump Trailer	15,000	-	-	-	-	15,000
PW – Facility Op.	Zero-Turn Mower	36,000	-	-	-	-	36,000
PW – Facility Op.	Floor Scrubber	7,550	-	-	-	-	7,550
PW – Admin	1/2-Ton Crew Cab 4x4 Pickup Truck	55,200	-	-	-	-	55,200
PW – Facility Op.	Compact SUV	32,200	-	-	-	-	32,200
PW	3/4-Ton 4x4 Pickup Truck	-	99,120	101,640	-	-	200,760
PW – Facility Op.	Remote Slope Mower	-	65,165	-	-	-	65,165
PW – Street Sign.	Vibratory Roller	-	60,000	-	-	-	60,000
PW	One-Ton Service Truck	-	66,080	135,520	-	-	201,600
PW – Street Sign.	Medium-Duty Dump Truck	-	-	121,000	-	-	121,000
PW – Street Sign.	Dump Truck with Plow and Spreader	-	-	-	235,600	-	235,600
PW – Street Sign.	Chipper	-	-	-	75,000	-	75,000
PW – Street Sign.	Message Board	-	-	-	22,500	22,500	45,000
PW – Street Sign.	Paint Striper	-	-	-	10,000	-	10,000
TOTAL		354,850	290,365	358,160	343,100	22,500	1,368,975

PUBLIC WORKS

TOTAL PROJECTS AND EQUIPMENT						
	2024	2025	2026	2027	2028	Five Year Total
TOTAL	8,754,850	1,090,365	758,160	743,100	422,500	11,768,975

FUNDING SOURCE						
Source	2024	2025	2026	2027	2028	Total
Capital Fund	754,850	1,090,365	758,160	743,100	422,500	3,768,975
Certificate of Participation Issuance	8,000,000	-	-	-	-	8,000,000
TOTAL	8,754,850	1,090,365	758,160	743,100	422,500	11,768,975

PUBLIC WORKS FACILITY

Fund: Capital, Transportation, Water
Department: Public Works – Administration
Location: Interstate Drive

Project Cost: \$36,110,241 | **Outside Funding:** \$-0- | **City Cost:** \$36,110,241
 Capital Fund - \$3,110,241
 Certificate of Participation Issuance - \$33,000,000

Description and Justification: The existing Public Works Facility at 4th Street reached capacity in 2017 and Public Works Administration, Water, Street, Signal, Stormwater, Fleet Maintenance, and Facility Maintenance essential operations need to be relocated to this new facility planned at Interstate Drive to accommodate the personnel, equipment, and material storage needs for ongoing expansion and maintenance of the City infrastructure. The Wastewater Collection Division operations equipment and personnel are planned to relocate from the Wastewater Treatment Plant to the existing 4th Street facility. Water and Facility inventory storage will also remain at the 4th Street facility. Water division essential operations will relocate to the new facility with a water tower planned at the Interstate Drive location in the 2023-2027 Capital Improvement Plan.

Anticipated Benefit: Design and initial site grading started in 2019 and 50% plans are complete with final plans underway in 2022. The construction will address urgent needs of Public Works operations by providing essential deicing salt and winter equipment storage, employee restrooms, offices, locker rooms, and lunch/training facilities to house PW Admin, Water, Street, Signal, Stormwater, Fleet and Facility Operations employees. This project will include expanded mechanic

bays for repair and maintenance of a continuously growing fleet of police and essential emergency responder vehicles and equipment. The facility will ultimately provide secure space for critical material and equipment storage Public Works. The design includes larger protected salt storage bays and will contain heated storage for weather sensitive equipment and will be pre-designed for EV charging as well as solar panel retrofits in the future. HVAC will include an air disinfection solution as well.



FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$36,110,241	\$28,110,241	\$8,000,000	-	-	-	-

PUBLIC WORKS FACILITY – LONG-TERM RETROFIT

Fund: Capital
Department: Public Works – Utility and Facility Operations
Location: 200 E. Fourth St.

Project Cost: \$350,000 | **Outside Funding:** \$-0- | **City Cost:** \$350,000

Description and Justification: This work has shifted to 2025 after the new Public Works Facility is finished to allow for moving salt, materials, and equipment to permit improvements to be completed. Tornado shelter, flooring, interior wall partitions, freight elevator, exterior paneling, and restroom facilities are in need of retrofit to continue effective use of the Public Works 4th Street facility. Limited fleet maintenance will remain active at the 4th Street facility for a technician/mechanic to perform on-site repairs and oil changes for Water/Wastewater equipment. Facility winter event operations will be retained at the 4th Street Facility due to the closer proximity to City Hall/LEC and other Parking lots which they maintain. The 4th Street facility will become the Utility Operations Annex with Wastewater Collections transferred from the WWTP after the Public Works Interstate Drive facility is complete. This transfer reduces overcrowding at the WWTP and improves operational efficiency for the collections jet truck and televising crews.

Anticipated Benefit: Retrofit is needed for current and future housing of Public Works Utility operations. The introduction of a rated tornado shelter for the campus and a freight elevator to serve the top floor promotes safe shelter and full use of the space for meetings, training, inventory storage, and temporary offices. This arrangement for utilization of space promotes separation and distancing of essential employees, improves efficiency of operations, and enhances the quality of the workplace environment for workers.



FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$350,000	\$20,000	-	\$350,000	-	-	-

GENERAL LAND ACQUISITION

Fund: Capital
Department: Citywide
Location: TBD

Project Cost: \$2,000,000 | **Outside Funding:** \$-0- | **City Cost:** \$2,000,000

Description and Justification: These funds will be earmarked to allow for future land acquisitions for parks, City facilities, development or any other public purpose. 2017, 2018 and 2019 funds were used to acquire land for the new Public Works Facility. Design is underway in 2020 and construction is partially funded for an initial phase beginning in 2021.

Anticipated Benefit: This funding would be used to reserve funds for any future acquisition of land for public purpose when the opportunity arises. Reserving these funds for future use allows the City to proactively pursue lands that have been identified and to respond to unexpected opportunities that may arise.

FUNDING SCHEDULE						
Total	BALANCE	2024	2025	2026	2027	2028
\$2,000,000	\$1,261,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000

DAVID HOEKEL PARKWAY LIGHTING AT INTERSTATE DRIVE

Fund: Capital

Department: Public Works – Streets & Signals

Project Cost: \$50,000 | **Outside Funding:** \$-0- | **City Cost:** \$50,000

Description and Justification: These funds will be earmarked to add lighting at the intersections of Hepperman, South Point Prairie, and David Hoekel Parkway at Interstate Drive to improve visibility of the intersection to oncoming pedestrian and vehicular traffic at night.

Anticipated Benefit: This lighting will improve pedestrian and vehicular safety at the intersections.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$50,000	-	\$50,000	-	-	-

MULTI-PURPOSE STANDBY GENERATOR

Fund: Capital

Department: Public Works – Administration

Project Cost: \$13,000 | **Outside Funding:** \$-0- | **City Cost:** \$13,000

Description and Justification: The building at 200 E. 4th is in need of a standby generator to support ongoing essential public services.

Anticipated Benefit: The availability of a 200-kW standby generator at this location is essential to provide backup power during short duration and extended power outages to ensure continuity of essential operations at this location. It is anticipated this facility will continue to house the water, collections, and facility operations activities and will provide a backup site for continuity of customer related operations even after the initial phase of the new Public Works facility are completed. This request is for a surplus generator in good condition which is anticipated to be purchased from a used equipment reseller. It would be portable to be available as a backup generator for other essential City power needs in the event of a catastrophic event.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$13,000	\$13,000	-	-	-	-

METROTECH VLOC/9800 LOCATOR

Fund: Capital

Department: Public Works – Streets & Signals

Project Cost: \$15,000 | **Outside Funding:** \$-0- | **City Cost:** \$15,000

Description and Justification: Replace existing locator with latest model and technology. Metrotech v/ Loc 9800 Locator with GPS capabilities which will be used for locating for Missouri One Call and mapping.

Anticipated Benefit: Replacing locator with latest technology utility locating technology will protect City infrastructure and allow for more accurate and quicker mapping.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$15,000	\$15,000	-	-	-	-

TEMPORARY TRAFFIC SIGNAL/FLAGGER UNIT

Fund: Capital

Department: Public Works – Streets & Signals

Project Cost: \$90,000 | **Outside Funding:** \$-0- | **City Cost:** \$90,000

Description and Justification: Funds will be used to purchase a battery/solar powered traffic signal trailer set to provide for safe and efficient traffic control solution for a variety of short and long term traffic control applications.

Anticipated Benefit: The signal will increase crew safety when working on single lane roads and frees up flagmen to increase productivity on the job. The signal will also serve as a backup signal in the case a traffic signal is damaged or knocked down. This unit can be wired directly into our system at any location and function with the timing as the rest of the system.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$90,000	\$90,000	-	-	-	-

ELECTRICAL VAN

Fund: Capital

Department: Public Works – Facility Operations

Project Cost: \$52,900 | **Outside Funding:** \$-0- | **City Cost:** \$52,900

Description and Justification: This van will replace the existing 602 electrical van that needs to be replaced due to age and repair costs.

Anticipated Benefit: Reliability and reduction in repair and maintenance costs.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$52,900	\$52,900	-	-	-	-

FORKLIFT

Fund: Capital

Department: Public Works – Facility Operations

Project Cost: \$38,000 | **Outside Funding:** \$-0- | **City Cost:** \$38,000

Description and Justification: Purchase of a new forklift for the new public works facility allowing employees the ability to unload deliveries at both locations.

Anticipated Benefit: Ability to unload deliveries at each facility.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$38,000	\$38,000	-	-	-	-

DUMP TRAILER

Fund: Capital

Department: Public Works – Facility Operations

Project Cost: \$15,000 | **Outside Funding:** \$-0- | **City Cost:** \$15,000

Description and Justification: Dump trailer to haul equipment such as the Ventrac for snow removal and the man lift for performing building maintenance between facilities. A dump trailer also allows employees to remove debris from City facilities and haul small loads of rock and mulch.

Anticipated Benefit: Improve efficiency and response time by providing a dedicated trailer for Facility Operations to transport their equipment between locations. A dedicated trailer would also allow it to be more specifically designed for equipment used rather than larger existing trailers intended for heavier equipment.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$15,000	\$15,000	-	-	-	-

ZERO-TURN MOWER

Fund: Capital

Department: Public Works – Facility Operations

Project Cost: \$36,000 | **Outside Funding:** \$-0- | **City Cost:** \$36,000

Description and Justification: Purchase of a new zero-turn mower for staff to mow areas of right of way and the new public works facility.

Anticipated Benefit: The new mower will increase reliability and reduce costs. Facility Operations staff is currently using a mower from the Streets & Signals staff.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$36,000	\$36,000	-	-	-	-

FLOOR SCRUBBER

Fund: Capital

Department: Public Works – Facility Operations

Project Cost: \$7,550 | **Outside Funding:** \$-0- | **City Cost:** \$7,550

Description and Justification: Funds used to purchase an auto scrubber floor machine for floor cleaning at the Law Enforcement Center.

Anticipated Benefit: This machine will increase efficiency and reduce labor time spent mopping floors while keeping the building clean and sanitized.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$7,550	\$7,550	-	-	-	-

VEHICLES

Fund: Capital

Department: Public Works – Administration, Streets and Signals, Fleet, Facility Operations

Description and Justification: Purchase of replacement vehicles due to age, mileage and ongoing maintenance costs. Replacement will improve reliability, safety and reduce the likelihood of repairs exceeding the vehicles’ value.

Anticipated Benefit: Reliability, reduction in repair and maintenance costs, and improved fuel economy.

1/2-TON CREW CAB 4x4 PICKUP TRUCK – Administration

FUNDING SCHEDULE

Total	2024	2025	2026	2027	2028
\$55,200	\$55,200	-	-	-	-

COMPACT SUV – Facility Operations

FUNDING SCHEDULE

Total	2024	2025	2026	2027	2028
\$32,200	\$32,200	-	-	-	-

3/4-TON 4x4 PICK TRUCK

FUNDING SCHEDULE

Total	2024	2025	2026	2027	2028
\$200,760	-	\$99,120	\$101,640	-	-
		Fleet and Streets and Signals – Qty. 2	Streets and Signals – Qty. 2		

REMOTE SLOPE MOWER

Fund: Capital

Department: Public Works – Facility Operations

Project Cost: \$65,165 | **Outside Funding:** \$-0- | **City Cost:** \$65,165

Description and Justification: Funds used to purchase a remote-controlled slope mower.

Anticipated Benefit: This machine will allow staff the ability to mow slopes that are steeper than what a zero-turn mower can mow safely.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$65,165	-	\$65,165	-	-	-

VIBRATORY ROLLER

Fund: Capital

Department: Public Works – Streets & Signals

Project Cost: \$60,000 | **Outside Funding:** \$-0- | **City Cost:** \$60,000

Description and Justification: Funds will be used to replace an outdated 2002 model of similar nature that has been in service for nearly 20 years, exhibits considerable wear and tear and is accompanied by increasing maintenance costs.

Anticipated Benefit: A new vibratory roller machine will increase reliability and reduce down time and maintenance costs while improving efficiency of operations.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$60,000	-	\$60,000	-	-	-

ONE-TON SERVICE TRUCK

Fund: Capital

Department: Public Works – Fleet and Facility Operations

Project Cost: \$201,600 | **Outside Funding:** \$-0- | **City Cost:** \$201,600

Description and Justification: Replacement vehicles due to age, mileage, and to reduce ongoing maintenance costs. Replacement will improve reliability, safety and the likelihood of repairs exceeding the vehicle’s value. These will replace trucks 703, 601, and 606.

Anticipated Benefit: Reliability, reduction in repair and maintenance costs, and improved fuel economy.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$201,600	-	\$66,080	\$135,520	-	-
		Fleet	Facility Operations – Qty. 2		

MEDIUM-DUTY DUMP TRUCK

Fund: Capital

Department: Public Works – Streets & Signals

Project Cost: \$121,000 | **Outside Funding:** \$-0- | **City Cost:** \$121,000

Description and Justification: Replacement of a 2016 F-550 dump truck with plow and spreader.

Anticipated Benefit: All equipment is placed on a regular replacement schedule where it is replaced after a fixed number of years to maintain fleet reliability during emergency operations and to minimize out of service time and repair costs associated with heavy use of aged equipment. Single-axle trucks are critical pieces of the street pavement repair and snow removal operations and must be replaced every 10 years to ensure availability during critical and emergency response events.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$121,000	-	-	\$121,000	-	-

DUMP TRUCK WITH PLOW AND SPREADER

Fund: Capital

Department: Public Works – Streets & Signals

Project Cost: \$235,600 | **Outside Funding:** \$-0- | **City Cost:** \$235,600

Description and Justification: Replacement of two 2017 F-550 dump trucks (#311 and #119) with plow and spreader.

Anticipated Benefit: Replacing plow trucks on a 10-year rotation keeps the fleet more reliable with less downtime and maintenance costs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$235,600	-	-	-	\$235,600	-
				Qty. 2	

CHIPPER

Fund: Capital

Department: Public Works – Streets & Signals

Project Cost: \$75,000 | **Outside Funding:** \$-0- | **City Cost:** \$75,000

Description and Justification: Replacement of aging chipper of same size to reduce down time and rental and repair costs. The City’s chipper program continues to grow in popularity and crews are now performing chipping services for an average of 40 work days annually leading to a greater amount of wear on the chipper equipment.

Anticipated Benefit: Reduce downtime and repair costs associated with older, heavily used equipment in the fleet.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$75,000	-	-	-	\$75,000	-

MESSAGE BOARD

Fund: Capital

Department: Public Works – Streets & Signals

Project Cost: \$45,000 | **Outside Funding:** \$-0- | **City Cost:** \$45,000

Description and Justification: Replacement of aging message boardS.

Anticipated Benefit: Replacement of the aging message board with the latest technology and maintain fleet of boards that are reliable.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$45,000	-	-	-	\$22,500	\$22,500

PAINT STRIPER

Fund: Capital

Department: Public Works – Streets & Signals

Project Cost: \$10,000 | **Outside Funding:** \$-0- | **City Cost:** \$10,000

Description and Justification: Replacement of aging 2016 paint striper.

Anticipated Benefit: Replacement of the aging striper to maintain reliability and reduce downtime and repair costs associated with older equipment.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$10,000	-	-	-	\$10,000	-



Water

WATER

PROJECT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Water	New Water Storage Tank with Water Main Improvements	9,000,000	-	-	-	-	9,000,000
Water	Land Purchase for Water Storage	600,000	-	-	-	-	600,000
Water	2-MG GM Ground Storage Tank Coating Interior	700,000	1,300,000	-	-	-	2,000,000
Water	Well #5 Improvements	10,000	100,000	-	-	-	110,000
Water	Deep Aquifer Water Well	-	600,000	5,400,000	-	-	6,000,000
Water	Coating Interior and Exterior of Tower #2	-	-	1,000,000	-	-	1,000,000
Water	West Booster Pump Station HVAC System	-	-	20,000	-	-	20,000
Water	In-House Waterline Interconnections	200,000	210,000	220,000	230,000	240,000	1,100,000
Water	Waterline Extensions and Replacement	3,200,000	2,800,000	-	-	-	6,000,000
Water	Large Diameter Pipe Contractor Repairs	100,000	100,000	100,000	100,000	100,000	500,000
Water Funded Equipment:							
Water	Natural Gas Generators	20,000	-	-	-	-	20,000
Water	HDPE Butt Fusion Machine	130,000	-	-	-	-	130,000
Water	Portable Light Tower	10,000	-	-	-	-	10,000
Water	Hydrant Buddy Exerciser	7,000	-	-	-	-	7,000
Water	Intelligent Water System Monitoring Technology	40,000	30,000	30,000	-	-	100,000
Water	Mobile Generator and Light Tower	-	40,000	-	-	-	40,000
Water	Electro-Fusion Processor	-	-	13,000	-	-	13,000
Water	Hand-Operated Portable Valve Exerciser	-	-	-	14,000	-	14,000
Water	Ductile Iron Pipe Cutting Saw	-	-	-	13,000	-	13,000
Water	Metrotech vLoc/9800 Locator	-	15,000	-	17,000	-	32,000
Water	Large Diameter Valves	60,000	60,000	60,000	60,000	60,000	300,000
TOTAL		14,077,000	5,255,000	6,843,000	434,000	400,000	27,009,000

WATER

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Water	3/4-Ton 4x4 Pickup Truck	62,100	41,300	42,350	153,760	113,920	413,430
Water	10k-100k Skid Generator	10,000	-	-	-	-	10,000
Water	1.5-Ton 4x4 Dump Truck with Plow and Spreader	-	100,000	-	-	-	100,000
Water	Mini-Excavator	-	-	120,000	-	-	120,000
Water	1/2-Ton Crew Cab 4x4 Pickup Truck	-	-	-	68,200	-	68,200
TOTAL		72,100	141,300	162,350	221,960	113,920	711,630

TOTAL PROJECTS AND EQUIPMENT							
	2024	2025	2026	2027	2028	Five Year Total	
TOTAL	14,149,100	5,396,300	7,005,350	655,960	513,920	27,720,630	

FUNDING SOURCE							
	2024	2025	2026	2027	2028	Five Year Total	
Capital Fund	72,100	141,300	162,350	221,960	113,920	711,630	
Water Fund	(5,923,000)	5,255,000	6,843,000	434,000	400,000	7,009,000	
Bond Issue	20,000,000	-	-	-	-	20,000,000	
TOTAL	14,149,100	5,396,300	7,005,350	655,960	513,920	27,720,630	

NEW WATER STORAGE TANK WITH WATER MAIN IMPROVEMENTS

Fund: Water
Department: Water
Location: Interstate Drive/Wilmer Rd.

Project Cost: \$9,860,000 | **Outside Funding:** \$860,000 | **City Cost:** \$9,000,000
 Design - \$860,000
 Construction - \$9,000,000
 Federal American Rescue Plan Act - \$860,000
 Bond Issue - \$9,000,000

Description and Justification: The construction of a new elevated spheroid water storage tank or ground storage tank in order to provide the City with needed water storage supply during peak demand months, year-round storage source for fire protection, and additional water storage during mechanical or equipment failure. Construction of large capacity (16-inch) transmission water main from existing main near Water Tower #3 located on Schroeder Creek Blvd. and continuing south along Schroeder Creek Blvd., under Interstate 70 through a bored casing, under railroad tracks through bored casing to connect with transmission main along Wilmer Road and then east on Interstate Drive to the future Public Works Facility site or nearby parcel along Interstate Drive. This transmission main will be necessary to support a new Water Tower.

Anticipated Benefit: Stabilizes the City’s ability to reliably provide adequate water supply for drinking water, lawn irrigation, and fire protection and to keep up with commercial, industrial and residential growth demands.

FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$9,860,000	\$860,000	\$9,000,000	-	-	-	-
Federal ARPA	\$860,000	-	-	-	-	-
Bond Issue		\$9,000,000	-	-	-	-

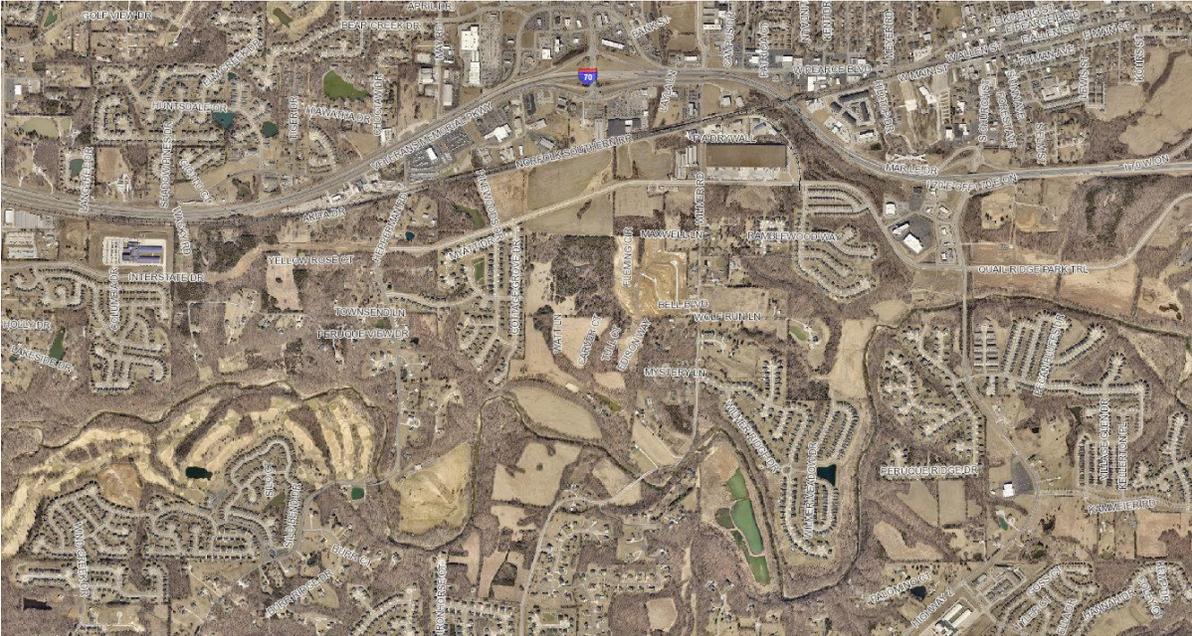
LAND AND EASEMENTS FOR WATER STORAGE

Fund: Water
Department: Water
Location: South Side of Interstate 70

Project Cost: \$600,000 | **Outside Funding:** \$-0- | **City Cost:** \$600,000

Description and Justification: The purchase of land and/or easements on the south side of Interstate 70 for future use of a potable water storage tank.

Anticipated Benefit: The land will be utilized to build storage for potable water to support increased flows stemming from growth on the south side of Interstate 70.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$600,000	\$600,000	-	-	-	-

2-MG GM GROUND STORAGE TANK COATING INTERIOR

Fund: Water

Department: Water

Location: East Booster Station (Edinger Road)

Project Cost: \$2,000,000 | **Outside Funding:** \$-0- | **City Cost:** \$2,000,000
Bond Issue - \$2,000,000

Description: Take the two-million-gallon ground storage tank out of service and prep and paint; the interior floor, roof and walls of the tank. Renovate the existing underground booster station serving this ground storage tank to include an above ground package station.

Justification: Water tanks need to be re-coated inside and out on a regular as needed basis to protect the tower from corrosion and failure. At this time, only the interior needs to be coated, but the exterior top will also be coated if funding permits.

Anticipated Benefit: Making the investment to coat water tanks on a regular as needed basis greatly extends the life of the City’s tank infrastructure.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$2,000,000	\$700,000	\$1,300,000	-	-	-
Bond Issue	\$2,000,000	-			

WELL #5 IMPROVEMENTS

Fund: Water

Department: Water

Location: 180 N. Callahan Rd.

Project Cost: \$110,000 | **Outside Funding:** \$-0- | **City Cost:** \$110,000

Description and Justification: Well #5 site improvements needed including second entrance, pipe rack complete with cover, and well house maintenance and repairs.

Anticipated Benefit: The covered pipe rack will help reduce sun fade and maintain the pipe integrity from sun bleaching. The secondary driveway entrance will reduce the amount of time needed to load and unload pipe from the yard either being delivered from an outside source or loaded by the Wentzville Water Division in emergency situations. The well house upgrades will ensure that the well is protected and able to function properly to provide drinking water to the City of Wentzville.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$110,000	\$10,000	\$100,000	-	-	-

DEEP AQUIFER WATER WELL

Fund: Water
Department: Water

Project Cost: \$6,000,000 | **Outside Funding:** \$-0- | **City Cost:** \$6,000,000
 Bond Issue - \$6,000,000

Description and Justification: Design and construction of a new deep water well and necessary appurtenances to produce and treat additional potable water supply for the City’s system.

Anticipated Benefit: The new deep water well will allow for production of up to one million gallons per day of additional potable water. This additional supply is necessary to support the continued residential, commercial, and industrial growth demands within the City’s water system. This project funding may be reallocated to an alternate Master Plan project in the event the updated Master Plan findings prioritize transmission main interconnection projects in lieu of this new well.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$6,000,000	-	\$600,000	\$5,400,000	-	-
Bond Issue	\$6,000,000				

COATING INTERIOR AND EXTERIOR OF TOWER #2

Fund: Water

Department: Water

Location: Rotary Park

Project Cost: \$1,000,000 | **Outside Funding:** \$-0- | **City Cost:** \$1,000,000

Description and Justification: Rehabilitate existing Water Tower #2 by replacing existing coatings on both interior and exterior of the tower. The existing coatings on the tower are approaching the end of their life cycle and will require replacement in order to extend the life of Water Tower #2.

Anticipated Benefit: The coating systems for Tower #2 are approaching the end of their life cycle and require replacement to maintain protection of Tower #2. A new coating system is anticipated to have a life cycle of 20 years.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$1,000,000	-	-	\$1,000,000	-	-

WEST BOOSTER PUMP STATION HVAC SYSTEM

Fund: Water

Department: Water

Location: West Booster Pump Station

Project Cost: \$20,000 | **Outside Funding:** \$-0- | **City Cost:** \$20,000

Description and Justification: Replacement of the existing HVAC unit in the West Booster Pump Station for temperature regulation of vital electrical components in the booster station which provides water to the City.

Anticipated Benefit: Replacing the existing HVAC unit will ensure that the vital electrical components in the West Booster Pump Station are thermally controlled properly and maintain the capability to provide drinking water to the City.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$20,000	-	-	\$20,000	-	-

IN-HOUSE WATERLINE INTERCONNECTIONS

Fund: Water
Department: Water
Location: City Wide

Project Cost: \$1,100,000 | **Outside Funding:** \$-0- | **City Cost:** \$1,100,000

Justification: Projects include replacement and upsizing of deteriorated water main sections to improve pressure and fire flow capability while reducing maintenance cost and system repair downtime. By utilizing City staff to complete these projects, waterlines are replaced at a lower cost.

Anticipated Benefit: Waterline projects will reduce maintenance cost, water outages, precautionary boil advisories while increasing pressures and fire flow capabilities.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$1,100,000	\$200,000	\$210,000	\$220,000	\$230,000	\$240,000

WATERLINE EXTENSIONS AND REPLACEMENTS

Fund: Water

Department: Water

Location: City Wide

Project Cost: \$6,000,000 | **Outside Funding:** \$-0- | **City Cost:** \$6,000,000
Bond Issue - \$3,000,000

PROJECT DESCRIPTION				
YEAR	LOCATION	SIZE (IN)	LENTH (FT)	COST (\$)
2024	Upsize DHP Ph II 8” to 12”	12	1,800	250,000
2024	Upsize Highway A Corridor 8” to 16”	16	4,500	550,000
2024	Upsize Highway Z East 8” to 16”	16	4,500	600,000
2024	Quail Ridge to Prospect 16” (Partial)	16	4,000	800,000
2024	Highway 70/Railroad Casing (MoDOT)	24	600	1,000,000
2025	Wilmer Road Extension to Highway N 16” and 12”	16	5,000	1,600,000
2025	E. Pearce Blvd. from Patricia to Schroeder Creek Blvd.	12	1,000	200,000
2025	North Point Prairie 12” Extension to Langtree	12	2,200	400,000
2025	Upsize Highway Z East along Interstate Drive 8” to 16”	16	3,000	600,000

Justification: Projects include replacement and upsizing of deteriorated water main sections to improve pressure and fire flow capability as recommended in the 2015 Masterplan while reducing maintenance cost and system repair downtime. Projects also include recommended masterplan extensions to provide adequate flow to fill storage towers.

Anticipated Benefit: Waterline projects will reduce maintenance cost, water outages, precautionary boil advisories while increasing pressures and fire flow capabilities.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$6,000,000	\$3,200,000	\$2,800,000	-	-	-
Bond Issue	\$3,000,000				

LARGE DIAMETER PIPE CONTRACTOR REPAIRS

Fund: Water
Department: Water

Project Cost: \$500,000 | **Outside Funding:** \$-0- | **City Cost:** \$500,000

Description and Justification: In the event of an emergency repair of a large diameter water main (over 12") a contractor would be called in to make the repair with the assistance of one or two water operators to help with turning valves and overseeing the repairs are made properly.

Anticipated Benefit: By having a contractor make the repairs the City of Wentzville Water Division could remain fully staffed to take on their regular duties and reduce fatigue from the amount of overtime required to make large diameter pipe repairs.

FUNDING SCHEDULE					
TOTAL	2024	2025	2026	2027	2028
\$500,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

NATURAL GAS GENERATORS

Fund: Water
Department: Water
Location: Citywide

Project Cost: \$20,000 | **Outside Funding:** \$-0- | **City Cost:** \$20,000

Description and Justification: Natural gas generators would allow for tower operations during extended periods of power outages to maintain pressure in the water system. This emergency power would also allow for Supervisors to monitor tower levels and alarms during emergency events through SCADA communications. The four locations that backup power is needed are Towers 1, Tower 2, Tower 4 and the Public Works offices for SCADA central controls.

Anticipated Benefit: Generators would allow for the City water system and towers to remain operational during extended periods of power loss. It would also allow for Supervisors to make changes to the system and see alarms that could impact water services.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$20,000	\$20,000	-	-	-	-

HDPE BUTT FUSION MACHINE

Fund: Water
Department: Water

Project Cost: \$130,000 | **Outside Funding:** \$-0- | **City Cost:** \$130,000

Description and Justification: Purchase of a TracStar 618 that would allow the Water Division to fuse HDPE pipe up to 18 inches in diameter where the current machine can only fuse up to 12 inches in diameter pipe.

Anticipated Benefit: By allowing the Water Division to fuse 16-inch and 18-inch HDPE pipe, the Water Division would be able to install transmission mains and make repairs in house eliminating some occasions where contractors need to be hired.

FUNDING SCHEDULE					
TOTAL	2024	2025	2026	2027	2028
\$130,000	\$130,000	-	-	-	-

PORTABLE LIGHT TOWER

Fund: Water
Department: Water

Project Cost: \$10,000 | **Outside Funding:** \$-0- | **City Cost:** \$10,000

Description and Justification: A portable light tower would help staff in the event of projects or distribution system repairs taking place after dark. The mast elevates allowing more light to be distributed over the entire worksite allowing for the crew to see what they are doing as well as be seen by others with the crews proper reflective Hi-Vis PPE.

Anticipated Benefit: The portable light tower will provide safety to the crew and will also save time and money in after dark repairs of the distribution system. Jobsite safety providing visibility for crews working in high traffic areas and adds to the ability to provide lighting to multiple breaks at the same time.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$10,000	\$10,000	-	-	-	-

HYDRANT BUDDY EXERCISER

Fund: Water

Department: Water

Project Cost: \$7,000 | **Outside Funding:** \$-0- | **City Cost:** \$7,000

Description and Justification: A fire hydrant exerciser would assist the Water Division during the Hydrant flushing program on the stiffer, more difficult hydrants to operator rendering them operable again after being exercised.

Anticipated Benefit: The hydrant buddy exerciser would help complete the hydrant flushing program on time and prevent injuries to employees operating stiff fire hydrants and help prevent employee shoulder and back injuries and help reduce the amount of worker compensation injuries.

FUNDING SCHEDULE					
TOTAL	2024	2025	2026	2027	2028
\$7,000	\$7,000	-	-	-	-

INTELLIGENT WATER SYSTEM MONITORING TECHNOLOGY

Fund: Water

Department: Water

Project Cost: \$100,000 | **Outside Funding:** \$-0- | **City Cost:** \$100,000

Description and Justification: This system will introduce water pressure monitoring equipment into the existing drinking water distribution system to improve the availability of information needed to assess peak system demand conditions and resolve issues before they develop into DNR compliance violations.

Anticipated Benefit: The drinking water system does not contain adequate pressure monitoring to assist operations and the engineering team with review and management of system pressures. Intelligent water system technology is available to provide operational information to improve system performance and troubleshoot problems.

FUNDING SCHEDULE					
TOTAL	2024	2025	2026	2027	2028
\$100,000	\$40,000	\$30,000	\$30,000	-	-

MOBILE GENERATOR AND LIGHT TOWER

Fund: Water

Department: Water

Project Cost: \$40,000 | **Outside Funding:** \$-0- | **City Cost:** \$40,000

Description and Justification: A towable generator/light tower would help in the event of repairs taking place after dark. The mast elevates allowing more light to be distributed over the entire worksite allowing for the crew to see what they are doing as well as be seen by others with reflective Hi-Vis PPE.

Anticipated Benefit: The towable generator/light tower will provide safety to the crew and will also save time and money in after dark repairs of the distribution system. Would also be available for other divisions to use in the event of emergencies.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$40,000	-	\$40,000	-	-	-

ELECTRO-FUSION PROCESSOR

Fund: Water
Department: Water
Location: Citywide

Project Cost: \$13,000 | **Outside Funding:** \$-0- | **City Cost:** \$13,000

Description and Justification: Georg Fischer MSA 340 Electro-fusion processor used for fusing couplings and saddles on water and wastewater HDPE mains are on a ten-year replacement plan. These replacements will assist with water distribution system repairs, maintenance, and installations.

Anticipated Benefit: Cycling out the electro-fusion processors at ten-years along with frequent calibrations and software updates keeps the City up-to-date on the fusion technology used in the HDPE water and sewer mains.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$13,000	-	-	\$13,000	-	-

HAND-OPERATED PORTABLE VALVE EXERCISER

Fund: Water
Department: Water

Project Cost: \$14,000 | **Outside Funding:** \$-0- | **City Cost:** \$14,000

Description and Justification: A hand operated portable valve exerciser will help the efficiency valve exercising program.

Anticipated Benefit: A hand operated portable valve exerciser would help the process of valve exercising the valves off site where the valve truck is not able to drive to ensuring that the valve exercising employee is able to exercise down the main which prevents the need to record the valve missed and come back to it at a later time saving fuel and man hours. Would help prevent employee shoulder and back injuries and help reduce the amount of worker compensation injuries.

FUNDING SCHEDULE					
TOTAL	2024	2025	2026	2027	2028
\$14,000	-	-	-	\$14,000	-

DUCTILE IRON PIPE CUTTING SAW

Fund: Water
Department: Water

Project Cost: \$13,000 | **Outside Funding:** \$-0- | **City Cost:** \$13,000

Description and Justification: Purchase of a hydraulic saw specifically designed for cutting ductile iron pipe during water main repairs.

Anticipated Benefit: A hydraulic saw specifically designed for cutting ductile iron pipe during water main repairs would improve repair times and is safer to use than a conventional chop saw which are known to kick back and severely injure the operator.

FUNDING SCHEDULE					
TOTAL	2024	2025	2026	2027	2028
\$13,000	-	-	-	\$13,000	-

METROTECH VLOC/9800 LOCATOR

Fund: Water
Department: Water
Location: Citywide

Project Cost: \$32,000 | **Outside Funding:** \$-0- | **City Cost:** \$32,000

Description: Metrotech v/Loc 9800 locator with GPS for mapping and used for locating water and sewer mains for Missouri One Call.

Justification: Locators are on a five-year replacement plan.

Anticipated Benefit: Cycling out locators at five years keeps the City up to date on the utility-locating technology to protect the water and sewer mains from damage.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$32,000	-	\$15,000	-	\$17,000	-

LARGE DIAMETER INSERTA-VALVES

Fund: Water

Department: Water

Project Cost: \$300,000 | **Outside Funding:** \$-0- | **City Cost:** \$300,000

Description and Justification: Large diameter Inserta-Valves can be installed without disruption of water service and allow valves to be installed in the distribution system where strategically needed to prevent more outages in the event of a water repair needed.

Anticipated Benefit: By adding valves into the City distribution system without having to turn the water off in order to do so the residents and customers would not have water disruptions and the valve placements would benefit the City when the water system is in need of repair it would allow less of a disruption by having the valves needed in strategic locations to assist with the water outages.

FUNDING SCHEDULE					
TOTAL	2024	2025	2026	2027	2028
\$300,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000

3/4-TON 4X4 PICKUP TRUCK

Fund: Capital

Department: Water

Location: Citywide

Project Cost: \$413,430 | **Outside Funding:** \$-0- | **City Cost:** \$413,430

Description and Justification: Purchase of a 3/4-ton 4x4 pickup truck used to heavy duty field operations:

2024: Utility Body

2025 and 2026: Regular Cab

2027: Regular Cab (Qty. 2) and Utility Body

2028: Regular Cab and Utility Body

A 3/4-ton truck will be used to conduct field and emergency heavy-duty operations and will need to have an electric brake controller, HD class v-hitch and emergency LED lights will be added to the truck.

Anticipated Benefit: Water is in need of additional vehicles due to recent addition of positions, so we are extending our vehicle replacement cycle from 10-year average age to 12-year average age, in an effort to reduce cost of increasing our fleet size while maintaining a reliable fleet to keep Water Operations running smoothly.

FUNDING SCHEDULE					
TOTAL	2024	2025	2026	2027	2028
\$413,430	\$62,100	\$41,300	\$42,350	\$153,760	\$113,920

10K-100K SKID GENERATOR

Fund: Capital
Department: Water
Location: Citywide

Project Cost: \$10,000 | **Outside Funding:** \$-0- | **City Cost:** \$10,000

Description and Justification: The purchase of the 10K-100K generator will be used for a portable backup source of power during emergency operations. This will allow the water system / wells to remain operational for an extended period of time during emergency events.

Anticipated Benefit: Provides portable power to locations with quick connect transfer switches. Areas with this type of connection currently include Well #6 and Well #5.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$10,000	\$10,000	-	-	-	-

1.5-TON 4X4 DUMP TRUCK WITH PLOW AND SPREADER

Fund: Capital
Department: Water

Project Cost: \$100,000 | **Outside Funding:** \$-0- | **City Cost:** \$100,000

Description and Justification: The purchase of a 1.5-ton dump truck will be used to conduct field and emergency heavy-duty operations and will need to have an electric brake controller, HD class V-hitch and emergency LED lights added to the truck. The truck will be outfitted with a snow plow and spreader.

Anticipated Benefit: The additional vehicle will reduce costs of increasing fleet size while maintaining a reliable fleet to keep water operations running smoothly.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$100,000	-	\$100,000	-	-	-

MINI-EXCAVATOR

Fund: Capital
Department: Water

Project Cost: \$120,000 | **Outside Funding:** \$-0- | **City Cost:** \$120,000

Description and Justification: Replacement of 2016 Bobcat E-55 mini-excavator for water distribution system repairs, maintenance and installations.

Anticipated Benefit: By 2026, the equipment will be reaching its end of service life before maintenance costs start to escalate. A new replacement would ensure the typical quick response times and quick repairs by having equipment that is in great condition and working properly without maintenance repair down times.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$120,000	-	-	\$120,000	-	-

1/2-TON CREW CAB 4X4 PICKUP TRUCK

Fund: Capital

Department: Water

Project Cost: \$68,200 | **Outside Funding:** \$-0- | **City Cost:** \$68,200

Description and Justification: Purchase of two 1/2-ton 4x4 pickup trucks used to conduct field and emergency operations. The truck will need an electric brake controller, HD class V hitch, and emergency LED lights.

Anticipated Benefit: Water is in need of additional vehicles due to recent addition of positions, so we are extending our vehicle replacement cycle from 10-year average age to 12-year average age, in an effort to reduce cost of increasing our fleet size while maintaining a reliable fleet to keep Water Operations running smoothly.

FUNDING SCHEDULE					
TOTAL	2024	2025	2026	2027	2028
\$68,200	-	-	-	\$68,200	-
				Qty. 2	



Wastewater

WASTEWATER

PROJECT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Wastewater	Biosolids Land Acquisition Payback	227,800	227,800	-	-	-	455,600
Wastewater	Legion Lift Station	700,000	-	-	-	-	700,000
Wastewater	Norfolk and Southern Lift Station Replacement	600,000	-	-	-	-	600,000
Wastewater	MSP Lift Station Replacement	5,500,000	-	-	-	-	5,500,000
Wastewater	Wet Weather Storage Basin	-	-	-	-	4,000,000	4,000,000
Wastewater	Shop Renovation and Equipment	30,000	-	-	-	-	30,000
Wastewater	Streambank Sewer Rehabilitation	250,000	125,000	125,000	125,000	125,000	750,000
Wastewater	Bypass Trunk Relief	200,000	2,100,000	-	-	-	2,300,000
Wastewater	Parking Lot Retaining Wall	15,000	-	-	-	-	15,000
Wastewater	Stone Meadows Lift Station Rehabilitation	-	500,000	-	-	-	500,000
Wastewater	St. Lukes Lift Station	-	200,000	-	-	-	200,000
Wastewater	Treatment Unit No. 3 Clarifier Rehab	-	50,000	-	-	-	50,000
Wastewater	Boone Trail Lift Station Replacement	-	-	150,000	-	-	150,000
Wastewater	Parr Rd. Lift Station Replacement	-	-	150,000	-	-	150,000
Wastewater	Water Reclamation Center – Phase 4 Design	-	-	-	1,700,000	-	1,700,000
Wastewater	HVAC Units	42,000	13,000	9,000	9,000	9,000	82,000
Wastewater Funded Equipment:							
Wastewater	Mobile Biosolids Storage Tank	85,000	-	-	-	-	85,000
Wastewater	Intelligent Wastewater System Monitoring Technology	40,000	30,000	30,000	-	-	100,000
Wastewater	Lift Station Spare Pumps, VFDs and Replacement	120,000	121,000	100,000	150,000	150,000	641,000
Wastewater	Backhoe	-	-	-	170,000	-	170,000
Wastewater	Sewer Jet Truck	-	-	-	-	480,000	480,000
Wastewater	Metrotech vLoc/9800 Locator	-	-	-	-	15,000	15,000
TOTAL		7,809,800	3,366,800	564,000	2,154,000	4,779,000	18,673,600

WASTEWATER

EQUIPMENT							
Department	Description	2024	2025	2026	2027	2028	Five Year Total
Wastewater	One-Ton 4x4 Service Pickup Truck	64,400	-	67,760	69,440	-	201,600
Wastewater	Utility Vehicle with Snow Removal Equipment	30,000	-	-	-	-	30,000
Wastewater	Equipment Trailer	8,500	-	-	-	-	8,500
Wastewater	Skid Steer Broom Attachment	8,000	-	-	-	-	8,000
Wastewater	Zero-Turn Mower	18,000	-	-	18,000	-	36,000
Wastewater	Crane Truck	-	-	-	189,441	-	189,441
Wastewater	One-Ton Dump Truck with Snow Plow and Spreader	-	-	-	124,000	-	124,000
Wastewater	Traffic Control/Emergency Response Trailer	-	-	-	16,000	-	16,000
Wastewater	1/2-Ton Crew Cab 4x4 Pickup Trucks	-	59,000	-	-	-	59,000
Wastewater	1/2-Ton Extended Cab 4x4 Pickup Trucks	-	-	-	50,840	-	50,840
TOTAL		128,900	59,000	67,760	467,721	-	723,381

TOTAL PROJECTS AND EQUIPMENT							
	2024	2025	2026	2027	2028	Five Year Total	
TOTAL	7,938,700	3,425,800	631,760	2,621,721	4,779,000	19,396,981	

FUNDING SOURCE							
	2024	2025	2026	2027	2028	Five Year Total	
Capital Fund	128,900	59,000	67,760	467,721	-	723,381	
Wastewater Fund	2,594,800	3,366,800	564,000	2,154,000	4,779,000	13,458,600	
Federal American Rescue Plan Act Funding	5,215,000	-	-	-	-	5,215,000	
TOTAL	7,938,700	3,425,800	631,760	2,621,721	4,779,000	19,396,981	

BIOSOLIDS LAND ACQUISITION PAYBACK

Fund: Wastewater
Department: Wastewater

Project Cost: \$2,442,377 | **Outside Funding:** \$-0- | **City Cost:** \$2,442,377

Description and Justification: In 2020, the City purchased land for biosolids land application for a total purchase price of \$2,442,377. Funds in the amount of \$1,303,377 were available in the Wastewater fund for this land purchase. The remaining funds in the amount of \$1,139,000 were transferred from the Capital fund reserve for land acquisition. The \$1,139,000 from the reserve will be fully restored and paid back by the Wastewater fund by 2025 in which transfers of \$227,800 will be completed annually.

Anticipated Benefit: To prevent expensive contracted removal expenses, maintain compliance with Current NPDES Permit and avoid MODNR and EPA violations.



FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$2,442,377	\$1,986,777	\$227,800	\$227,800	-	-	-

LEGION LIFT STATION REPLACEMENT

Fund: Wastewater
Department: Wastewater
Location: 506 Luetkenhaus Blvd.

Project Cost: \$700,000 | **Outside Funding:** \$-0- | **City Cost:** \$700,000

Description and Justification: Replacement of Legion Lift Station and control panel due to age (constructed in 1964), condition, and pumping capacity, in an effort to provide adequate service to the related sewer shed in lieu of the US 61 gravity main project per the Wastewater Master Plan. To be replaced with City design standard lift station.

Anticipated Benefit: This type of Lift Station is proposed for safety, uniformity, ease of maintenance, and life cycle costs. It will also increase flow capability, reliability, and operability at this location.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$700,000	\$700,000	-	-	-	-

NORFOLK AND SOUTHERN LIFT STATION REPLACEMENT

Fund: Wastewater
Department: Wastewater
Location: 101 Edinger Rd.

Project Cost: \$600,000 | **Outside Funding:** \$-0- | **City Cost:** \$600,000

Description and Justification: Replace Smith and loveless Lift Station (41 years old). Lift Station frame (can unit) has deteriorated to the point replacement is required. Station was constructed in 1981. The lift station will be replaced with the City design standard submersible pump lift station.

Anticipated Benefit: This type of station is proposed for safety, uniformity, ease of maintenance, and life cycle costs.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$600,000	\$600,000	-	-	-	

MSP LIFT STATION REPLACEMENT

Fund: Wastewater
Department: Wastewater
Location: 2455 Mette Rd.

Project Cost: \$5,925,000 | **Outside Funding:** \$5,640,000 | **City Cost:** \$285,000
 Federal American Rescue Plan Act Funding - \$5,640,000

Description: Replace existing dry well lift station with submersible lift station and control panel and upgrade to 14 to 16-MGD per Wastewater Masterplan capital recommendations. A sluice gate will be installed to control high flow events and direct flows as needed between the MSP and Highway P Lift Stations.

Justification: As identified in the Wastewater Collection System Master Plan, the lift station has exceeded its useful life and a new station is needed to provide capacity for future flows as well as to improve operator safety and add redundancy.

Anticipated Benefit: More efficient system for pumping system, increased reliability versus a 40-year-old deteriorating station.



FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$5,925,000	\$425,000	\$5,500,000	-	-	-	-
Federal ARPA	\$425,000	\$5,215,000	-	-	-	-

WET WEATHER STORAGE BASIN

Fund: Wastewater

Department: Wastewater

Location: Water Reclamation Center

Project Cost: \$4,000,000 | **Outside Funding:** \$-0- | **City Cost:** \$4,000,000

Description and Justification: 3-million-gallon wet weather storage basin to enable the Reclamation Center to manage increasing flows during extreme wet weather events and treatment unit repairs. This project is under design in 2023 in conjunction with MSP lift station. 2028 funding is projected for construction.

Anticipated Benefit: This will reduce operations and maintenance costs associated with elevated high flows during extreme wet weather events and repairs, and will enable the City to maintain compliance with current NPDES permit and avoid MODNR and EPA violations.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$4,000,000	-	-	-	-	\$4,000,000

SHOP RENOVATION AND EQUIPMENT

Fund: Wastewater
Department: Wastewater

Project Cost: \$60,000 | **Outside Funding:** \$-0- | **City Cost:** \$60,000

Description and Justification: The old press building has been stripped and will be renovated into a maintenance shop with the purchase related shop equipment.

Anticipated Benefit: Provide an adequate facility for maintenance to perform more wastewater equipment repairs in house.

FUNDING SCHEDULE						
Total	PRIOR	2024	2025	2026	2027	2028
\$60,000	\$30,000	\$30,000	-	-	-	-

STREAMBANK SEWER REHABILITATION

Fund: Wastewater
Department: Wastewater

Project Cost: \$750,000 | **Outside Funding:** \$-0- | **City Cost:** \$750,000

Description and Justification: Multiple existing sanitary sewers crossing or running near existing stream banks are experiencing severe exposure due to bank deterioration. These projects include sewer reconstruction, relocation, and streambank restoration and armoring in order to protect sanitary sewer infrastructure.

Anticipated Benefit: Exposed sanitary sewers near streambank results in water inflow and infiltration into the City's Wastewater system causing additional costs and operational issues at the Water Reclamation Center. In addition, exposed sewers and manholes near streams run the risk of catastrophic damage during storm events which would impact the surrounding environment. These projects will reduce exposure and increase protection of sanitary sewers near streams and as a result reduce inflow & infiltration.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$750,000	\$250,000	\$125,000	\$125,000	\$125,000	\$125,000

BYPASS TRUNK RELIEF

Fund: Wastewater
Department: Wastewater
Location: Highway 61, MSP and Highway P Lift Station

Project Cost: \$2,300,000 | **Outside Funding:** \$-0- | **City Cost:** \$2,300,000

Description and Justification: Replace and increase capacity of the trunk line in order to enable the Reclamation Center to receive increasing flows as the City experiences increased growth in the related sewer sheds. This will reduce all operations and maintenance costs associated with the existing main and improve system capacity and enable the Wastewater Reclamation Center lift station to receive the flows related to the increased growth.

Anticipated Benefit: Improving efficiency, safety, reliability of the collection system by adding additional flow capacity between Highway P Lift and the Reclamation Center per the Wastewater Masterplan recommendations.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$2,300,000	\$200,000	\$2,100,000	-	-	-

PARKING LOT RETAINING WALL

Fund: Wastewater
Department: Wastewater

Project Cost: \$15,000 | **Outside Funding:** \$-0- | **City Cost:** \$15,000

Description and Justification: Purchase of materials for replacement of the wooden tie parking lot retaining wall. The original wall has been repaired over the years and is now in need of replacement.

Anticipated Benefit: Expensive repairs to the existing employee parking area may be avoided with a timely replacement of the existing wall.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$15,000	\$15,000	-	-	-	-

STONE MEADOWS LIFT STATION REHABILITATION

Fund: Wastewater
Department: Wastewater
Location: 6057 Blake Thomas Dr.

Project Cost: \$500,000 | **Outside Funding:** \$-0- | **City Cost:** \$500,000

Description and Justification: Rehabilitate existing wet well and lift station due to structural concerns, reliability improvements, and increased inflow and infiltration in surrounding sewer shed.

Anticipated Benefit: Would provide a more efficient and reliable pump station and increased capacity and capability in anticipation of increased future flows at this and other pump stations served in this sewer shed.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$500,000	-	\$500,000	-	-	-

ST. LUKES LIFT STATION

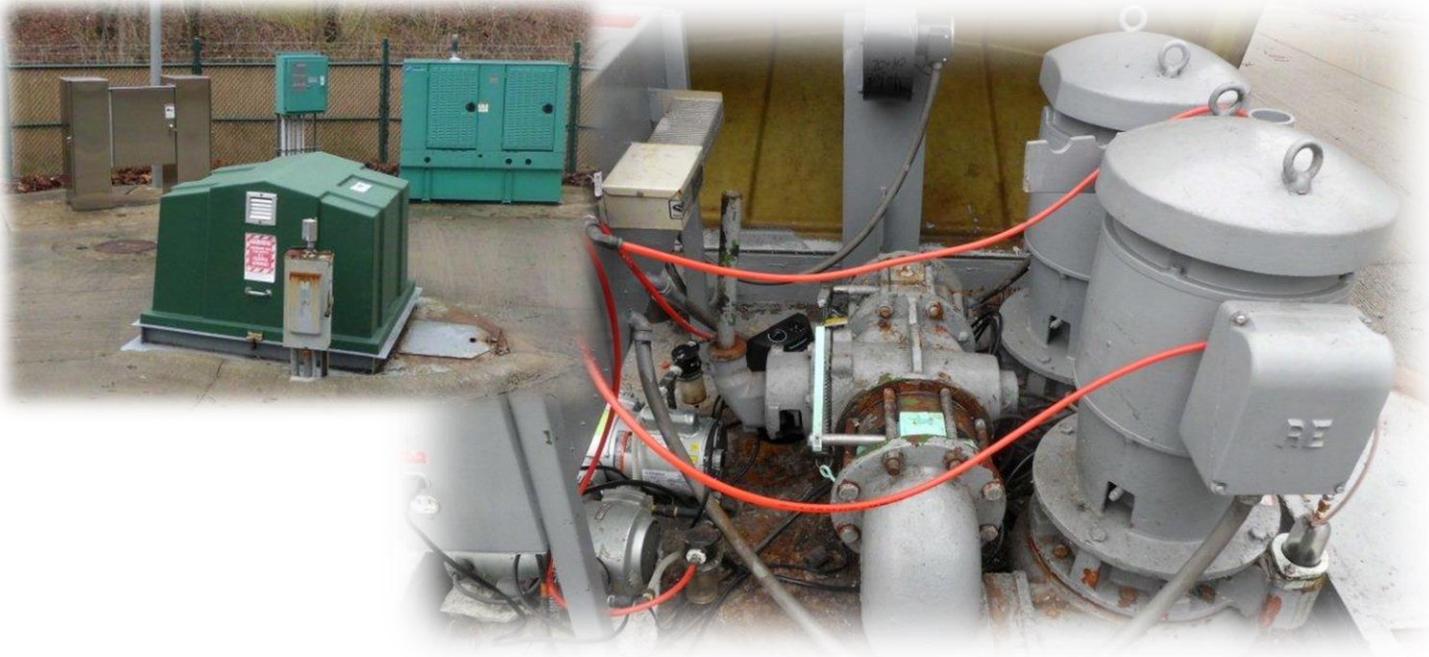
Fund: Wastewater
Department: Wastewater
Location: St. Luke’s Lift Station

Project Cost: \$200,000 | **Outside Funding:** \$-0- | **City Cost:** \$200,000

Description: Replace Smith and Loveless Lift Station (35 years old in 2020). Lift station frame (can unit) has deteriorated to the point replacement is required. Note: Station was constructed in 1985.

Justification: Replacement of the current station is needed due to age (34 years) of this type of station. Current condition of station makes extensive rehabilitation unfeasible.

Anticipated Benefit: New station will provide increased safety and reliability as well as increased pumping efficiency. Station will be re-engineered to conform to new service area and to better address the flow requirements of new subdivisions and the Quail Ridge Park Lift Station.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$200,000	-	\$200,000	-	-	-

TREATMENT UNIT NO. 3 CLARIFIER REHAB

Fund: Wastewater

Department: Wastewater

Location: Water Reclamation Center

Project Cost: \$50,000 | **Outside Funding:** \$-0- | **City Cost:** \$50,000

Description and Justification: Rehabilitation of 20-year-old treatment unit 3 clarifier as a preventative maintenance measure for continued and efficient operations until removal from service during the 2030 plant capacity expansion.

Anticipated Benefit: To prevent expensive contracted expenses, maintain compliance with current NPDES permits and avoid Missouri DNR and EPA violations.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$50,000	-	\$50,000	-	-	-

BOONE TRAIL LIFT STATION REPLACEMENT

Fund: Wastewater
Department: Wastewater
Location: Boone Trail Lift Station

Project Cost: \$150,000 | **Outside Funding:** \$-0- | **City Cost:** \$150,000

Description: Replace Smith and Loveless Lift Station (35 years old in 2020). The Lift station frame (can unit) has deteriorated to the point replacement is required.

Anticipated Benefit: The new station will provide increased safety and reliability as well as increased pumping efficiency.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$150,000	-	-	\$150,000	-	-

PARR ROAD LIFT STATION REPLACEMENT

Fund: Wastewater
Department: Wastewater
Location: Parr Road

Project Cost: \$150,000 | **Outside Funding:** \$-0- | **City Cost:** \$150,000

Description and Justification: Replace Smith & Loveless Lift Station. The lift station frame has deteriorated to the point where replacement is required. City will replace with similar design station.

Anticipated Benefit: New station will provide increased safety and reliability as well as increased pumping efficiency. Existing Smith and Loveless design will prove acceptable and cost effective at this site due to the longevity of the previous station and the flow characteristics of RK Stratmann (sole user).



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$150,000	-	-	\$150,000	-	-

WATER RECLAMATION CENTER – PHASE 4 DESIGN

Fund: Wastewater
Department: Wastewater
Location: St. Luke’s Lift Station

Project Cost: \$1,700,000 | **Outside Funding:** \$-0- | **City Cost:** \$1,700,000

Description and Justification: Design the Phase 4 expansion for the Water Reclamation Center.

Anticipated Benefit: With the steady growth of the City, the Water Reclamation Center flows continue to increase. This expansion design will allow the City to have additional treatment capacity fully designed and ready for construction bidding in the event of a large industrial user needing the City to build plant capacity ahead of schedule. This project is key to providing the needed capacity for Wentzville to stay in regulatory compliance with DNR and EPA and to more quickly respond to the needs of a large, new industrial user.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$1,700,000	-	-	-	\$1,700,000	-

HVAC UNITS

Fund: Wastewater
Department: Wastewater
Location: Water Reclamation Center and Lift Stations

Project Cost: \$82,000 | **Outside Funding:** \$-0- | **City Cost:** \$82,000

Description and Justification: Due to wear and tear caused by the corrosive environmental conditions there is a need to replace an HVAC Unit each year for the next 5 years.

Anticipated Benefit: Personnel and equipment require fully functioning heating and cooling in the wastewater buildings, in the long term will also reduce the constant need for repairs and associated costs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$82,000	\$42,000	\$13,000	\$9,000	\$9,000	\$9,000

MOBILE BIOSOLIDS STORAGE TANK

Fund: Wastewater
Department: Wastewater

Project Cost: \$85,000 | **Outside Funding:** \$-0- | **City Cost:** \$85,000

Description and Justification: The purchase of a mobile biosolids storage tank will increase efficiency and the effectiveness of liquid biosolids application. Currently, liquid application is the most affordable means of biosolids disposal, but it is labor intensive and time consuming. The implementation of a mobile tank into the application program will allow for onsite staging of liquid biosolids and reduce the amount of time the tractor is not in the field due to reloading, or waiting for the tanker truck to refill on the distant application sites. This will greatly increase application efficiency and allow liquid biosolids application to expand to more distant application sites and increase the amount of acreage available for biosolids application.

Anticipated Benefit: This tank can be transported by current tractors and the power take off (PTO) will power the mixing system and transfer pump. This style tank was selected in an effort to maximize the equipment the City already owns and eliminate the need for a tractor trailer style truck to move as other tanks of this nature would require. Landfill costs increased 310% in 2023 from \$18 a ton to \$75.68 a ton. Investing in the biosolids treatment process, application equipment, and supplemental programs presents the greatest opportunity to prevent the need to dispose biosolids in the landfill and support a “green” approach to the disposal.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$85,000	\$85,000	-	-	-	-

INTELLIGENT WASTEWATER SYSTEM MONITORING TECHNOLOGY

Fund: Wastewater
Department: Wastewater

Project Cost: \$100,000 | **Outside Funding:** \$-0- | **City Cost:** \$100,000

Description and Justification: Purchase of a wireless portable flow logger and sensors which will allow for installation and monitoring of wastewater flows throughout the City's wastewater collections system. Real-time flow assessments to support in-time maintenance and operational optimization: Sanitary sewer system performance optimization is one of the key aspects of the capacity, management, operation, and maintenance (CMOM) program and, as such, is tied to supporting Rainfall Derived Inflow and Infiltration (RDII) remediation programs. Recent industry advances include low-cost sensors and data storage, connectivity to the internet of things (IoT) for component operation and/or monitoring, faster data communication through advanced wireless networks, and the development of user interface technologies/dashboards.

Anticipated Benefit: Portable flow loggers will allow for staff to implement flow monitoring at selected sites within the wastewater collections system. Flow monitoring data will be utilized to develop understanding of actual system flows in order to plan for future capital improvements and replacements. Flow monitoring data will also be used to help develop priority areas for Inflow and Infiltration solutions to help limit amount of unnecessary flow reaching the City's Water Reclamation Center.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$100,000	\$40,000	\$30,000	\$30,000	-	-

LIFT STATION SPARE PUMPS, VFDs & REPLACEMENT

Fund: Wastewater
Department: Wastewater
Location: Lift Stations Citywide

Project Cost: \$641,000 | **Outside Funding:** \$-0- | **City Cost:** \$641,000

Description: Replacement and spare pumps, variable frequency drives and related equipment for the Wastewater Reclamation Center and Collections Systems.

Justification: These pumps and VFDs are being budgeted to replace due to age or lack of a spare pump, increased flows, repair, and rebuild history, new pump designs that increase electrical and hydraulic efficiency, and the ability of pumps to pump solids and debris commonly removed from the existing pumps.

Anticipated Benefit: Replacement of these pumps will increase efficiency, flow rate and reliability of the related stations for the City and reduce maintenance and repair costs associated with older pumps.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$641,000	\$120,000	\$121,000	\$100,000	\$150,000	\$150,000

BACKHOE

Fund: Wastewater

Department: Wastewater

Project Cost: \$170,000 | **Outside Funding:** \$-0- | **City Cost:** \$170,000

Description and Justification: Acquire a backhoe to assist with dry biosolids handling, utility stabilization, and creek crossing repair projects, manhole repairs and replacement, sewer force main repairs, and other projects.

Anticipated Benefit: This will allow the Wastewater Division to process biosolids, performance maintenance and repairs to access roads and sewer easements, creek crossings and utility stabilization projects, manhole raising and repair, and forcemain repair projects throughout the wastewater system. The equipment improves efficiency and productivity by minimizing time and trips in the field as well as providing an off-road option for installing and repairing concrete manholes. This piece will also provide backup equipment for water, stormwater, or street division in the event of multiple projects or equipment break downs.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$170,000	-	-	-	\$170,000	-

SEWER JET TRUCK

Fund: Wastewater
Department: Wastewater
Location: Citywide

Project Cost: \$480,000 | **Outside Funding:** \$-0- | **City Cost:** \$480,000

Description and Justification: Purchase a new sewer hydro jet/vacuum combination truck to replace a sewer jet truck purchased in 2016 that will be 12-years-old in 2028. In 2028, the 2016 truck will be obsolete, near the end of its useful life, and needing repairs.

Anticipated Benefit: Replacement of the old sewer jet truck with a new combination hydro jet/vacuum truck will increase efficiency, productivity, safety, and reliability for the Collections division’s sewer maintenance program and reduce maintenance costs.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$480,000	-	-	-	-	\$480,000

METROTECH VLOC/9800 LOCATOR

Fund: Wastewater
Department: Wastewater
Location: Citywide

Project Cost: \$15,000 | **Outside Funding:** \$-0- | **City Cost:** \$15,000

Description: Metrotech v/Loc 9800 locator used for locating water and sewer mains for Missouri One Call.

Justification: Locators are on a five-year replacement plan.

Anticipated Benefit: Cycling out locators at five years keeps the City up to date on the utility-locating technology to protect the water and sewer mains from damage.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$15,000	-	-	-	-	\$15,000

ONE-TON 4X4 SERVICE PICKUP TRUCK

Fund: Capital

Department: Wastewater

Project Cost: \$201,600 | **Outside Funding:** \$-0- | **City Cost:** \$201,600

Description and Justification: One-ton service trucks will be used to conduct field maintenance and emergency heavy-duty operations and will include an electric brake controller, HD class V hitch and emergency LED lights.

Anticipated Benefit: Rotating out 10-year-old trucks will reduce repair costs and improve reliability for emergency service.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$201,600	\$64,400	-	\$67,760	\$69,440	-

UTILITY VEHICLE WITH SNOW REMOVAL EQUIPMENT

Fund: Capital
Department: Wastewater

Project Cost: \$30,000 | **Outside Funding:** \$-0- | **City Cost:** \$30,000

Description and Justification: Purchase of a new utility vehicle to replace the 1998 Bobcat UTV retired in February 2023. The UTV is used for various purposes around the Water Reclamation Center (WRC) and on the farm such as spraying for weeds, getting soil samples across the several hundred acres used for land application, and grounds maintenance of the WRC and farm. Snow equipment is also requested to equip staff with the equipment needed to properly clean the sidewalks and parking lots.

Anticipated Benefit: The UTV allows staff to properly sample and maintain biosolid land application sites and perform ground maintenance of the WRC and farms. It will also provide staff with the proper tools to efficiently and effectively clear snow for safe passage of all employees.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$30,000	\$30,000	-	-	-	-

EQUIPMENT TRAILER

Fund: Capital

Department: Wastewater

Project Cost: \$8,500 | **Outside Funding:** \$-0- | **City Cost:** \$8,500

Description and Justification: Purchase of a new equipment trailer to transport the skid loader often to multiple land application sites miles away from the plant. The skid loader is used for dewatered biosolids loading outside of the plant and grounds maintenance at these remote sites.

Anticipated Benefit: The trailer allows staff to safely and efficiently move equipment to where it is needed, when it is needed. Currently, the Collections Division has the only weight rated trailer to move equipment and the Plant Operations Division often ends up delaying or rescheduling biosolids activities because of availability constraints.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$8,500	\$8,500	-	-	-	-

SKID STEER BROOM ATTACHMENT

Fund: Capital

Department: Wastewater

Project Cost: \$8,000 | **Outside Funding:** \$-0- | **City Cost:** \$8,000

Description and Justification: Purchase of a new skid loader broom attachment. The Water Reclamation Center driveways throughout the plant are used not only by vehicles but also equipment entering and leaving the fields multiple times a day applying biosolids and managing the WRC and farm grounds. The roads become very dirty and dusty.

Anticipated Benefit: Staff has learned that because of the amount of dust, they are changing the air handling unit filters much more often that should be required. These are multi-purpose units that perform the heating and cooling of the buildings and equipment and are essential for the safety of the employees as they exhaust hazardous gases and supply fresh air. The reduction in filter replacements presents a cost savings, but ultimately insures the proper ventilation of a safety sensitive building.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$8,000	\$8,000	-	-	-	-

ZERO-TURN MOWER

Fund: Capital

Department: Wastewater

Project Cost: \$36,000 | **Outside Funding:** \$-0- | **City Cost:** \$36,000

Description and Justification: Purchase of a new replacement zero-turn mower for cutting grass at Reclamation Center and Lift Stations. Staff resumed mowing the Water Reclamation Center and lift stations three years ago when contracted services were not able to keep up. Since then, staff has continued performed all grounds maintenance. The current mower has seen an elevated rate of aging due to this increased mowing and a second mower is now needed to help keep up. The need for a second mower increases with the additional lift stations that are being built and dedicated each year.

Anticipated Benefit: Allows the Wastewater Division to maintain the Reclamation Center and Lift Station grounds citywide.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$36,000	\$18,000	-	-	\$18,000	-

CRANE TRUCK 4X4

Fund: Capital
Department: Wastewater

Project Cost: \$189,441 | **Outside Funding:** \$-0- | **City Cost:** \$189,441

Description and Justification: Crane truck replacement of vehicle #508 to be used to conduct field and emergency heavy-duty operations. It is required that the truck have electric brake controller, HD class V hitch, and emergency LED light added to the truck.

Anticipated Benefit: Replacing the City’s 13-year-old crane truck (18-year old in 2027) with a new truck will increase efficiency, productivity, safety, and reliability of the Wastewater Collection Division’s sewer maintenance program.



FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$189,441	-	-	-	\$189,441	-

ONE-TON DUMP TRUCK WITH SNOW PLOW AND SPREADER

Fund: Capital

Department: Wastewater

Project Cost: \$124,000 | **Outside Funding:** \$-0- | **City Cost:** \$124,000

Description and Justification: Purchase of a one-ton regular cab dump body truck to replace current 10-year-old trucks. Trucks will be used to conduct field maintenance and emergency heavy-duty operations and emergency Snow Operations. Truck will include an electric brake controller, HD class V hitch, emergency LED lights, and snow removal equipment (plow and spreader).

Anticipated Benefit: Rotating out 10-year-old trucks will reduce repair costs and improve reliability for emergency service.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$124,000	-	-	-	\$124,000	-

TRAFFIC CONTROL/EMERGENCY RESPONSE TRAILER

Fund: Capital

Department: Wastewater

Project Cost: \$16,000 | **Outside Funding:** \$-0- | **City Cost:** \$16,000

Description and Justification: Urgent response traffic control trailer to facilitate and expedite responses for traffic control, urgent sanitary repairs, and bypass pumping operations.

Anticipated Benefit: The addition of this trailer and related equipment would increase efficiency, productivity, safety, and reliability for the Wastewater Collections Division's sewer maintenance program.

FUNDING SCHEDULE					
Total	2024	2025	2026	2027	2028
\$16,000	-	-	-	\$16,000	-

1/2-TON 4X4 PICKUP TRUCKS

Fund: Capital

Department: Wastewater

Description and Justification: Purchase of a 1/2-ton crew and regular cab trucks to replace current 10-year-old trucks. Trucks will be used to conduct field maintenance and emergency heavy-duty operations and will include an electric brake controller, HD class V hitch, and emergency LED lights.

Anticipated Benefit: Rotating out 10-year-old trucks will reduce repair costs and improve reliability for emergency service.

FUNDING SCHEDULE - CREW CAB					
Total	2024	2025	2026	2027	2028
\$59,000	-	\$59,000	-	-	-

FUNDING SCHEDULE - EXTENDED CAB					
Total	2024	2025	2026	2027	2028
\$50,840	-	-	-	\$50,840	-