

# CAPITAL IMPROVEMENT PLAN

*MORE THAN 150 YEARS OF HISTORY*



2023-

2027

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# Introduction



TO THE MAYOR AND BOARD OF ALDERMEN:

I am pleased to transmit to you the proposed 2023-2027 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 \$206,955,345 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 involved 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, appearing to read "Doug Lee", written in a cursive style.

Douglas Lee  
City Administrator



# CAPITAL IMPROVEMENT PLAN 2023-2027

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## Capital Plan

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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 2023 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

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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

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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 \$206,955,345 is recommended for capital spending. A breakdown of this \$207 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 \$207 million in total five-year capital spending, \$92 million (or 45%) 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

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Approximately \$207 million in capital projects are anticipated over the five-year period 2023-2027. For this five-year period, the largest single year of capital outlay will be fiscal year 2023 followed by fiscal year 2024. 2023 projects include the design of the new Public Works Facility, David Hoekel Parkway Phase 2D construction, Wentzville Parkway South – Phase 2 construction, water extensions, and lift station replacements. The fiscal year 2024 includes stormwater projects, construction of the new Highway Z widening improvements, Route N Phase 2B, downtown revitalization, construction of a two-million-gallon storage tank with water main improvements, a wet weather storage basin, 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

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## **General Fund**

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

## **Transportation Fund**

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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**

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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**

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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**

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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**

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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. The City plans to issue Certificates of Participation to fund the new Public Works Facility to be constructed off Interstate Drive in 2023.

## **American Rescue Plan Act Funding**

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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	2023	2024	2025	2026	2027	Five Year Total
Law Enforcement	62,338	62,338	62,338	62,338	62,338	311,690
Parks and Recreation	698,226	1,836,228	1,402,523	1,183,712	1,634,442	6,755,131
Engineering	919,000	3,305,000	425,000	125,000	125,000	4,899,000
Public Works	33,580,000	510,000	510,000	400,000	450,000	35,450,000
Transportation	34,098,000	27,525,000	11,075,000	22,660,000	17,950,000	113,308,000
Water	4,181,000	9,534,800	1,234,000	1,297,000	323,000	16,569,800
Wastewater	3,962,800	8,240,800	3,336,300	533,500	2,153,500	18,226,900
<b>TOTAL</b>	77,501,364	51,014,166	18,045,161	26,261,550	22,698,280	195,520,521

EQUIPMENT						
Department	2023	2024	2025	2026	2027	Five Year Total
Administration	50,000	-	-	-	36,000	86,000
Economic Development	-	-	32,000	-	-	32,000
Information Technology	-	-	85,000	-	-	85,000
Community Development	47,000	-	104,000	53,000	-	204,000
Law Enforcement	1,007,606	1,138,367	1,175,367	1,151,367	1,297,367	5,770,074
Parks and Recreation	320,500	306,000	369,300	334,500	259,950	1,590,250
Engineering	124,500	-	32,000	106,000	-	262,500
Public Works	305,000	268,000	203,000	312,000	297,500	1,385,500
Transportation	105,000	110,000	36,000	160,500	218,000	629,500
Water	44,000	40,000	142,000	164,000	147,000	537,000
Wastewater	186,000	56,000	150,000	74,000	387,000	853,000
<b>TOTAL</b>	2,189,606	1,918,367	2,328,667	2,355,367	2,642,817	11,434,824



# CITYWIDE CAPITAL IMPROVEMENT PLAN SUMMARY

TOTAL PROJECTS AND EQUIPMENT						
	2023	2024	2025	2026	2027	Five Year Total
<b>TOTAL</b>	79,690,970	52,932,533	20,373,828	28,616,917	25,341,097	206,955,345

FUNDING SUMMARY						
Source	2023	2024	2025	2026	2027	Five Year Total
Capital Fund	2,910,944	2,635,705	3,326,005	2,942,705	3,280,155	15,095,514
Park Fund	698,226	1,591,385	1,402,523	1,183,712	1,634,442	6,510,288
Dierbergs Contribution/Land Agreement	-	64,843	-	-	-	64,843
Recreation Trails Program Grant	-	150,000	-	-	-	150,000
Community Access Program Grant	-	30,000	-	-	-	30,000
Transportation Fund	13,393,180	9,495,282	5,481,178	7,600,000	6,145,000	42,114,640
St. Charles County	17,552,256	10,136,763	3,374,315	10,760,000	9,805,000	51,628,334
MoDOT	155,000	5,177,124	250,000	-	-	5,582,124
STP Funding	1,325,190	2,211,251	1,661,770	4,300,000	2,000,000	11,498,211
East-West Gateway TAP	2,400	428,080	-	-	-	430,480
CMAQ through EWGCOCG	1,169,974	76,500	307,737	-	-	1,554,211
Federal American Rescue Plan Act	2,550,000	5,450,000	-	-	-	8,000,000
State American Rescue Plan Act	500,000	12,500,000	-	-	-	13,000,000
Water Fund	3,321,000	1,894,800	1,234,000	1,297,000	323,000	8,069,800
Wastewater Fund	3,112,800	1,090,800	3,336,300	533,500	2,153,500	10,226,900
Certificate of Participation Issuance	33,000,000	-	-	-	-	33,000,000
<b>TOTAL</b>	79,690,970	52,932,533	20,373,828	28,616,917	25,341,097	206,955,345

**Administration**

# ADMINISTRATION

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Administration	City Website	50,000	-	-	-	-	50,000
Administration	Compact SUV	-	-	-	-	36,000	36,000
TOTAL		50,000	-	-	-	36,000	86,000

FUNDING SOURCE						
	2023	2024	2025	2026	2027	Five Year Total
Capital Fund	50,000	-	-	-	36,000	86,000
TOTAL	50,000	-	-	-	36,000	86,000



# CITY WEBSITE

**Fund:** Capital  
**Department:** Administration

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

**Description and Justification:** Funding used to update and optimize the City website in lieu of a mobile app to enhance engagement with Wentzville residents. A new website will be needed by this time and technology is evolving to allow the website to function much like an app, without requiring users to download/sign up for another tool. The City will work with a government-focused vendor to create a website that is designed and organized in a manner that allows visitors to easily find and access information; acts as a marketing tool for the City to highlight its programs, events and services, as well as its amenities and attractions to potential residents and businesses; is mobile-friendly; is easy to update and modify; and is able to incorporate components such as GIS mapping systems and online payments.

**Anticipated Benefit to the City:** A new website will create a modern digital platform that offers personalized experiences for new and existing residents and business owners, and other stakeholders. A new site can be built with a customized app-like display.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$50,000	\$50,000	-	-	-	-

# COMPACT SUV

**Fund:** Capital

**Department:** Administration

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

**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	2023	2024	2025	2026	2027
\$36,000	-	-	-	-	\$36,000

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**Economic Development**



# ECONOMIC DEVELOPMENT

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Economic Dev.	Compact SUV	-	-	32,000	-	-	32,000
TOTAL		-	-	32,000		-	32,000

FUNDING SOURCE						
	2023	2024	2025	2026	2027	Five Year Total
Capital Fund	-	-	32,000	-	-	32,000
TOTAL	-	-	32,000		-	32,000

# 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	2023	2024	2025	2026	2027
\$32,000	-	-	\$32,000	-	-

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# **Information Technology**



# INFORMATION TECHNOLOGY

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Finance	Incode Version 10	-	-	85,000	-	-	85,000
TOTAL		-	-	85,000	-	-	85,000

FUNDING SOURCE						
	2023	2024	2025	2026	2027	Five Year Total
Capital Fund	-	-	85,000	-	-	85,000
TOTAL	-	-	85,000	-	-	85,000

# 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	2023	2024	2025	2026	2027
\$85,000	-	-	\$85,000	-	-

**Community Development**

# COMMUNITY DEVELOPMENT

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Building Inspection	1/2-Ton Crew Cab 4x4 Pickup Truck	47,000	-	50,000	53,000	-	150,000
Building Inspection	Compact SUV (2)	-	-	54,000	-	-	54,000
TOTAL		47,000	-	104,000	53,000	-	204,000

FUNDING SOURCE						
	2023	2024	2025	2026	2027	Five Year Total
Capital Fund	47,000	-	104,000	53,000	-	204,000
TOTAL	47,000	-	104,000	53,000	-	204,000

# VEHICLES

**Fund:** Capital

**Department:** Community Development – Building Inspection

**Location:** Building Inspection

**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					
FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$150,000	\$47,000	-	\$50,000	\$53,000	-

COMPACT SUV					
FUNDING SCHEDULE					
Total	2023	2024	2025 (2)	2026	2027
\$54,000	-	-	\$54,000	-	-

**Law Enforcement**

# LAW ENFORCEMENT

PROJECT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Law Enforcement	Guaranteed Energy Savings Debt Service	62,338	62,338	62,338	62,338	62,338	311,690
<b>TOTAL</b>		62,338	62,338	62,338	62,338	62,338	311,690

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Law Enforcement	Speed Monitor Devices	12,900	-	-	-	-	12,900
Law Enforcement	Mini-Split A/C System	12,000	-	-	-	-	12,000
Law Enforcement	Drone and Sensors (2)	-	66,000	-	-	-	66,000
Law Enforcement	Long Gun Replacement	-	-	51,000	-	-	51,000
Law Enforcement	Copier	-	-	20,000	-	-	20,000
Law Enforcement	Water Heater	-	-	-	14,000	-	14,000
Law Enforcement	Firearms Simulator	-	-	-	-	125,000	125,000
Law Enforcement	Static License Plate Reader Cameras	52,500	52,500	52,500	52,500	52,500	262,500
Law Enforcement	911 Maintenance	63,259	63,259	63,259	63,259	63,259	316,295
Law Enforcement	Axon Program	244,947	278,608	278,608	278,608	278,608	1,359,379
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	540,000	594,000	624,000	655,000	688,000	3,101,000
Law Enforcement	Motorcycle and Equipment/Set-Up (less trade-in)	32,000	34,000	36,000	38,000	40,000	180,000
<b>TOTAL</b>		1,007,606	1,138,367	1,175,367	1,151,367	1,297,367	5,770,074



# LAW ENFORCEMENT

## TOTAL PROJECTS AND EQUIPMENT

	2023	2024	2025	2026	2027	Five Year Total
<b>TOTAL</b>	1,069,944	1,200,705	1,237,705	1,213,705	1,359,705	6,081,764

## FUNDING SOURCE

	2023	2024	2025	2026	2027	Five Year Total
Capital Fund	1,069,944	1,200,705	1,237,705	1,213,705	1,359,705	6,081,764
<b>TOTAL</b>	1,069,944	1,200,705	1,237,705	1,213,705	1,359,705	6,081,764

# 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	2023	2024	2025	2026	2027
\$311,690	\$62,338	\$62,338	\$62,338	\$62,338	\$62,338

# SPEED MONITOR DEVICES

**Fund:** Capital

**Department:** Law Enforcement

**Project Cost:** \$12,900 | **Outside Funding:** \$-0- | **City Cost:** \$12,900

**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	2023	2024	2025	2026	2027
\$12,900	\$12,900	-	-	-	-

# MINI-SPLIT A/C SYSTEM

**Fund:** Capital

**Department:** Law Enforcement

**Project Cost:** \$12,000 | **Outside Funding:** \$-0- | **City Cost:** \$12,000

**Description and Justification:** Purchase of a mini-split A/C ductless system for the IT room at the Law Enforcement Center as the new system is reaching end of life and will need replacement to maintain efficiency and reliability in the IT room.

**Anticipated Benefit:** Return efficiency to the IT room, keeping IT equipment from overheating.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$12,000	\$12,000	-	-	-	-

# 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	2023	2024	2025	2026	2027
\$66,000	-	\$66,000	-	-	-

# LONG GUN REPLACEMENT

**Fund:** Capital

**Department:** Law Enforcement

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

**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	2023	2024	2025	2026	2027
\$51,000	-	-	\$51,000	-	-

# COPIER

**Fund:** Capital

**Department:** Law Enforcement

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

**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	2023	2024	2025	2026	2027
\$20,000	-	-	\$20,000	-	-

# WATER HEATER

**Fund:** Capital

**Department:** Law Enforcement

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

**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	2023	2024	2025	2026	2027
\$14,000	-	-	-	\$14,000	-

# 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	2023	2024	2025	2026	2027
\$125,000	-	-	-	-	\$125,000

# STATIC LICENSE PLATE READER CAMERAS

**Fund:** Capital

**Department:** Law Enforcement

**Project Cost:** \$262,500    |    **Outside Funding:** \$-0-    |    **City Cost:** \$262,500

**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	2023	2024	2025	2026	2027
\$262,500	\$52,500	\$52,500	\$52,500	\$52,500	\$52,500



# 911 MAINTENANCE

**Fund:** Capital

**Department:** Law Enforcement

**Project Cost:** \$316,295    |    **Outside Funding:** \$-0-    |    **City Cost:** \$316,295

**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	2023	2024	2025	2026	2027
\$316,295	\$63,259	\$63,259	\$63,259	\$63,259	\$63,259

# AXON PROGRAM

**Fund:** Capital

**Department:** Law Enforcement

**Location:** 1019 Schroeder Creek Blvd.

**Project Cost:** \$1,359,379    |    **Outside Funding:** \$-0-    |    **City Cost:** \$1,359,379

**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 minimizes the impacts on the budget should this system require unexpected purchases.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$1,359,379	\$244,947	\$278,608	\$278,608	\$278,608	\$278,608

# EMERGENCY WARNING SIRENS

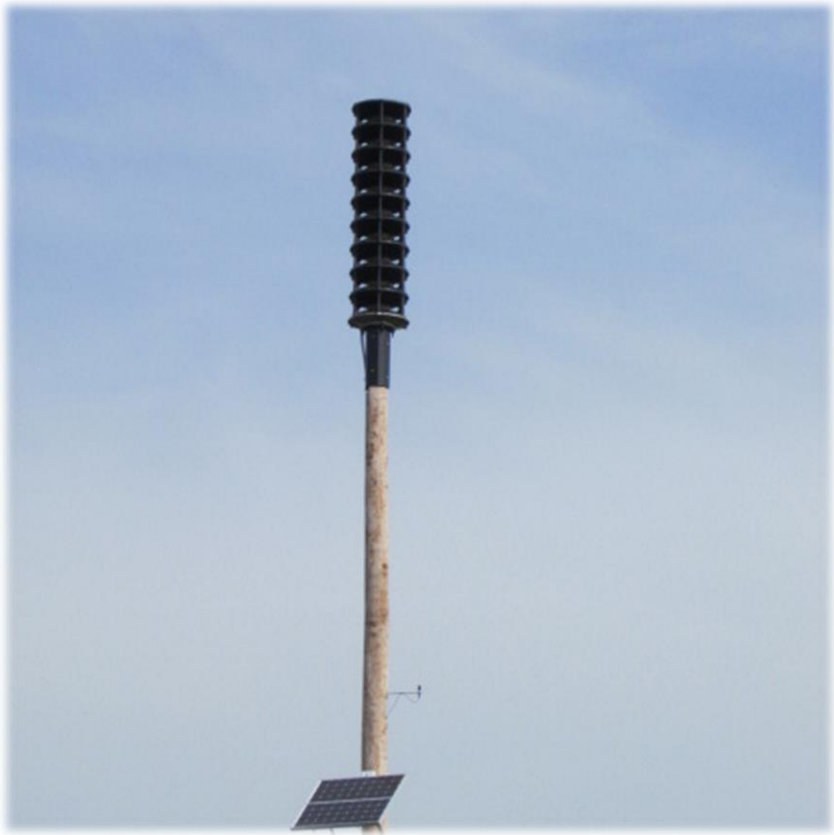
**Fund:** Capital  
**Department:** Law Enforcement  
**Location:** 1019 Schroeder Creek Blvd.

**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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$3,101,000	\$540,000	\$594,000	\$624,000	\$655,000	\$688,000

MOTORCYCLE					
FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$180,000	\$32,000	\$34,000	\$36,000	\$38,000	\$40,000



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**Parks and Recreation**

# PARKS & RECREATION

PROJECT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Maintenance	Public Park Facility Improvements	77,500	71,500	96,098	96,098	96,098	437,294
Maintenance	Maintenance Shed Build Out – Phase II	25,000	25,000	25,000	-	-	75,000
Maintenance	Preventative Maintenance Asphalt Parking Lots and Trails	63,353	54,000	48,391	48,391	48,391	262,526
Maintenance	Public Park Outdoor Improvements	71,750	76,875	87,125	87,125	87,125	410,000
Maintenance	Walk-In Freezer and Cooler	38,500	-	-	-	38,500	77,000
Ice Arena	HVAC Upgrade/Renovation	80,325	-	85,425	-	93,075	258,825
Maintenance	Heartland Park Trail Extension	-	486,486	-	-	-	486,486
Maintenance	Fireman's Park Renovations – Phase II	-	453,250	-	-	-	453,250
Maintenance	Progress Park Playground Resurfacing	-	117,731	-	-	-	117,731
Maintenance	Lighted Aeration Fountain at Heartland Park	-	87,413	-	-	-	87,413
Maintenance	Fishing Dock at Heartland Park	-	84,175	-	-	-	84,175
Maintenance	Synthetic Surfacing at Heartland Park Fields 1 and 2	-	-	555,555	-	582,750	1,138,305
Maintenance	Big Creek Phase II	-	-	163,131	-	-	163,131
Administration	Park Land Acquisition Reserve	-	-	-	200,000	200,000	400,000
Maintenance	Rotary Park – Phase II	-	-	-	129,500	-	129,500
Ice Arena	Ice Arena Flooring Replacement	-	-	-	105,800	-	105,800
Horticulture & For	Greenhouse	-	-	-	-	65,505	65,505
Ice Arena	Detention Basin at Ice Arena	-	-	-	-	51,000	51,000
Recreation	Summer Camp Mobile Application	-	-	-	-	30,200	30,200
Administration	Land Acquisition Payback	341,798	341,798	341,798	341,798	341,798	1,708,990
<b>Parks &amp; Recreation Funded Equipment:</b>							
Ice Arena	Ice Resurfacers	-	-	-	130,000	-	130,000
Ice Arena	Ammonia Chiller Compressor	-	38,000	-	45,000	-	83,000
<b>TOTAL</b>		698,226	1,836,228	1,402,523	1,183,712	1,634,442	6,755,131

# PARKS & RECREATION

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
<b>Capital Funded Projects:</b>							
Ice Arena	Ice Arena Debt Service	100,000	100,000	100,000	100,000	100,000	500,000
Maintenance	ADA Sidewalk Replacement	25,000	-	25,000	-	25,000	75,000
Administration	Midsize 4x4 SUV	39,000	-	-	-	-	39,000
Horticulture & For.	3/4-Ton 4x4 Pickup Truck	36,000	-	-	-	-	36,000
Recreation	1/2-Ton 4x4 Extended Cab Pickup Truck	32,000	-	-	-	-	32,000
Maintenance	LED Informational Sign	17,000	-	-	-	-	17,000
Horticulture & For	Sprayer	15,000	-	-	-	-	15,000
Horticulture & For	60" Zero Turn Mower	12,000	-	-	-	-	12,000
Horticulture & For	72" Zero Turn Mowers	14,000	14,000	14,000	-	-	42,000
Horticulture & For	Zero-Turn Mower	14,000	14,000	-	-	-	28,000
Maintenance	Mini-Excavator	-	65,000	-	-	-	65,000
Horticulture & For	Skid Loader	-	65,000	-	-	-	65,000
Admin/Recreation	AWD Crossover	-	31,000	64,000	-	-	95,000
Horticulture & For	Utility Tractor	-	-	47,600	-	-	47,600
Horticulture & For	Air Compressor	-	-	28,000	-	-	28,000
Horticulture & For	Articulating Slope Mower	-	-	25,000	-	-	25,000
Horticulture & For	Compact Utility Tractor	-	-	18,700	-	-	18,700
Horticulture & For	Turf Sprayer	-	-	15,000	-	-	15,000
Horticulture & For	Utility Vehicle	-	-	15,000	-	-	15,000

# PARKS & RECREATION

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Administration	4x4 Pickup Truck with Police Package	-	-	-	53,000	-	53,000
Horticulture & For	Stump Grinder	-	-	-	50,000	-	50,000
Administration	1-Ton 4x4 Pickup Truck	-	-	-	60,000	-	60,000
Horticulture & For	4x4 Sports Field Turf Utility Vehicle	-	-	-	25,000	-	25,000
Horticulture & For	6x4 Turf Utility Vehicle	-	-	-	15,000	-	15,000
Horticulture & For	Bunker Rake/Groomer	-	-	-	14,500	-	14,500
Horticulture & For	Compost Turner	-	-	-	-	27,000	27,000
Horticulture & For	Compact 4x4 Utility Tractor	-	-	-	-	22,000	22,000
Administration	4x4 Utility Vehicle with Police Package	-	-	-	-	18,500	18,500
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
Recreation	Holiday Lights Display	16,500	17,000	17,000	17,000	17,000	84,500
TOTAL		320,500	306,000	369,300	334,500	259,950	1,590,250

TOTAL PROJECTS AND EQUIPMENT						
	2023	2024	2025	2026	2027	Five Year Total
TOTAL	1,018,726	2,142,228	1,771,823	1,518,212	1,894,392	8,345,381



# PARKS & RECREATION

FUNDING SOURCE						
	2023	2024	2025	2026	2027	Five Year Total
Capital Fund	320,500	306,000	369,300	334,500	305,950	1,636,250
Park Fund	698,226	1,591,385	1,402,523	1,183,712	1,634,442	6,510,288
Dierbergs Contribution/Land Agreement from 2005	-	64,843	-	-	-	64,843
Recreation Trails Program Grant	-	150,000	-	-	-	150,000
Community Access Program Grant	-	30,000	-	-	-	30,000
<b>TOTAL</b>	1,018,726	2,142,228	1,771,823	1,518,212	1,894,392	8,345,381

# PUBLIC PARK FACILITY IMPROVEMENTS

**Fund:** Parks & Recreation

**Department:** Maintenance

**Location:** Citywide

**Project Cost:** \$437,294 | **Outside Funding:** \$-0- | **City Cost:** \$437,294

**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:

**2023:** Replace a treadmill (4 of 5) @ PPRC (\$7,500); Fitness Equipment Replacement (8 of 8) @ PPRC (\$4,000); Progress Park Window Replacement (\$10,000); PPC Restroom Reno (\$19,000); PPRC Roof Membrane (\$10,000); PPFF Restroom (\$7,000); Emergency Contingency (\$20,000)

**2024:** Replace a treadmill (5 of 5) @ PPRC (\$7,500); Fitness Equipment Replacement (5 of 8) @ PPRC (\$4,000); Ice Arena Storefront Door Replacement (\$20,000); Ice Arena Office Reno and Work Stations (\$20,000); 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	2023	2024	2025	2026	2027
\$437,294	\$77,500	\$71,500	\$96,098	\$96,098	\$96,098

# 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	2023	2024	2025	2026	2027
\$75,000	\$25,000	\$25,000	\$25,000	-	-

# PREVENTATIVE MAINTENANCE PROGRAM FOR ASPHALT PARKING LOTS AND TRAILS

**Fund:** Parks & Recreation

**Department:** Maintenance

**Location:** Citywide

**Project Cost:** \$262,526 | **Outside Funding:** \$-0- | **City Cost:** \$262,526

**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:

- **2023:** Crack seal and top coat asphalt trail in Rotary Park, parking lots in Heartland and Peruque Valley Parks, new parking spaces at Rotary Park entrance
- **2024:** Parking lot extension at Rotary Park/Kolb Building
- **Pending Projects:**
  - 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
  - Install new trail in missing section of PVP near Peruque Creek

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	2023	2024	2025	2026	2027
\$262,526	\$63,353	\$54,000	\$48,391	\$48,391	\$48,391

# PUBLIC PARK OUTDOOR IMPROVEMENTS

**Fund:** Parks & Recreation

**Department:** Maintenance

**Location:** Citywide

**Project Cost:** \$410,000 | **Outside Funding:** \$-0- | **City Cost:** \$410,000

**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:

**2023:** entrance sign at Peruque Valley Park (\$35,000); Ice Arena vinyl dumpster enclosure (\$10,000); Backstop at Memorial Park baseball field (\$25,000)

**2024:** entrance sign at Progress Park (\$18,000), irrigation/seed at WAP (\$23,000); RP HNL yard ret wall (\$24,000); motorized security gate at Peruque Valley Park (\$10,000)

**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	2023	2024	2025	2026	2027
\$410,000	\$71,750	\$76,875	\$87,125	\$87,125	\$87,125

# WALK-IN FREEZER AND COOLER

**Fund:** Parks & Recreation

**Department:** Maintenance

**Location:** Progress Park

**Project Cost:** \$77,000 | **Outside Funding:** \$-0- | **City Cost:** \$77,000

**Description and Justification:** Funds will be used to purchase a replacement of the Progress Park Center exterior all-in-one walk-in freezer (purchased in 2000) and interior walk-in cooler (purchased in 2013). These units are expected to have a life cycle of 20 years.

**Anticipated Benefit to the City:** The current unit has passed its expected useful life and is in need of replacement to avoid escalating maintenance costs.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$77,000	\$38,500	-	-	-	\$38,500
	Freezer				Cooler

# ICE ARENA HVAC UPGRADE/RENOVATION

**Fund:** Parks & Recreation

**Department:** Ice Arena

**Project Cost:** \$258,825 | **Outside Funding:** \$-0- | **City Cost:** \$258,825

**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	2023	2024	2025	2026	2027
\$258,825	\$80,325	-	\$85,425	-	\$93,075

# 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	2023	2024	2025	2026	2027
\$486,486	-	\$486,486	-	-	-
Dierberg's	-	\$64,843	-	-	-
Grant	-	\$150,000	-	-	-



# FIREMAN’S PARK RENOVATIONS – PHASE II

**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 1950s.

**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	2023	2024	2025	2026	2027
\$453,250	-	\$453,250	-	-	-

# 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	2023	2024	2025	2026	2027
\$117,731	-	\$117,731	-	-	-

# 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	2023	2024	2025	2026	2027
\$87,413	-	\$87,413	-	-	-
CAP Grant	-	\$15,000	-	-	-

# 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 largely seeded with a native mix of plants as they have gotten established obstruct access to the lake and make 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. The geese once established are difficult to get rid of. The geese tend to populate bodies of water that have gentle sloping shorelines, open fields of vision, and a nearby food source. A well-maintained vegetative buffer will prevent the establishment of a resident population of geese but also conflicts with those wishing to use the lake as a recreational fishing amenity.

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	2023	2024	2025	2026	2027
\$84,175	-	\$84,175	-	-	-
CAP Grant	-	\$15,000	-	-	-

# 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	2023	2024	2025	2026	2027
\$1,138,305	-	-	\$555,555	-	\$582,750

# BIG CREEK PHASE II

**Fund:** Parks & Recreation

**Department:** Maintenance

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

**Project Cost:** \$163,131 | **Outside Funding:** \$-0- | **City Cost:** \$163,131

**Description and Justification:** Funds will be used to design and construct a canoe/kayak launch on the Big Creek north of the Water Treatment Plant on land owned by the City. The plan would be to:

- Incorporate vehicle access to the launch site consisting of a gravel road with “fencing” along the road to prevent vehicles from leaving the road and causing damage to the crops in that area.
- Re-evaluate and incorporate appropriate safety measures to ensure vehicles cannot access the creek.
- If necessary, incorporate shoreline reinforcement measures to prevent high water events, erosion, or wear and tear by users from impacting the shoreline.
- Consider as part of the design the potential for expanded services such as rentals/returns.
- Finish design and installation of electric infrastructure to include emergency, security and parking lot lighting for the site that may not have been completed within Phase I.
- Design and install ADA accessible route to boat launch area within the creek bed.
- Design and install Gabion wall for the bank stabilization and ADA accessible route.
- Design and install free parking infrastructure.
- Design and install upgraded trail infrastructure to include dust free surfaces.
- Design and install of entrance monuments and wayfinding signage for the site.
- Design and install of native landscape for screening of this facility from surrounding parcels.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$163,131	-	-	\$163,131	-	-



# RESERVE FOR PARK LAND ACQUISITION

**Fund:** Parks & Recreation

**Department:** Maintenance

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

**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	2023	2024	2025	2026	2027
\$400,000	-	-	-	\$200,000	\$200,000

# ROTARY PARK – PHASE II

**Fund:** Parks & Recreation  
**Department:** Maintenance

**Project Cost:** \$129,500 | **Outside Funding:** \$-0- | **City Cost:** \$129,500

**Description and Justification:** Funds will be used to design and construct a number of additional improvements to Rotary Park. These funds will be utilized to include adding additional roadway, bridges, parking areas, and amenities as defined in the planning process. There will be architecture and engineering work necessary for completing this work since this will involve a master planning process. The intent of this project is to develop land that was purchased in 2022 an have the timing of these improvements coincide somewhat with the relevant phase of the buildout of the Dave Hoekel Parkway.

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

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$129,500	-	-	-	\$129,500	-



# 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	2023	2024	2025	2026	2027
\$105,800	-	-	-	\$105,800	-

# 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 form 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 form 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	2023	2024	2025	2026	2027
\$65,505	-	-	-	-	\$65,505

# 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	2023	2024	2025	2026	2027
\$51,000	-	-	-	-	\$51,000

# SUMMER CAMP MOBILE APPLICATION

**Fund:** Parks & Recreation

**Department:** Recreation

**Project Cost:** \$30,200 | **Outside Funding:** \$-0- | **City Cost:** \$30,200

**Description and Justification:** Funds will be used to purchase a custom mobile application for Apple and Android tablets/phones for the Summer Camp Program.

**Anticipated Benefit to the City:** The mobile application provides staff the ability to securely track camp registrations and pertinent camper information (photograph, medical information, emergency contact information, and release contact information), the ability to check campers in and out through a digital camp roster system, the ability to administer individual camp program details in parental/camper app (example: daily activities, field trips, upcoming activities, staff bios and photographs, and weekly app themes). The mobile application provides parents/campers the ability to securely provide information on camper to be accessed by staff members, the ability to view camp details in a "My Day" format (example, daily activities, field trips, upcoming activities, and essential parent communications), the ability to view camp staff bios and photographs, and the ability to communicate with camp staff.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$30,200	-	-	-	-	\$30,200

## 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. Beginning in 2023, the Park Fund will transfer \$341,798 annually for 20 years to fully restore and pay back the General fund by 2042.

FUNDING SCHEDULE – PAY BACK TO CAPITAL FUND						
Total	2023	2024	2025	2026	2027	FUTURE
\$6,835,960	\$341,798	\$341,798	\$341,798	\$341,798	\$341,798	\$5,126,970

# 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.

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



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$130,000	-	-	-	\$130,000	-

# AMMONIA CHILLER COMPRESSOR

**Fund:** Parks & Recreation

**Department:** Ice Arena

**Project Cost:** \$83,000 | **Outside Funding:** \$-0- | **City Cost:** \$83,000

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

- **2023:** Compressor #1 – Model C6-W06A/Serial 98206/HYD 450 HP/(L.P. 300)/AIR HP 300 (L.P. 180)
- **2025:** 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	2023	2024	2025	2026	2027
\$83,000	-	\$38,000	-	\$45,000	-

# 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	2023	2024	2025	2026	2027	FUTURE
\$2,000,000	\$400,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$1,100,000

# ADA SIDEWALK REPLACEMENT/IMPROVEMENTS

**Fund:** Capital

**Department:** Maintenance

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

**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	2023	2024	2025	2026	2027
\$75,000	\$25,000	-	\$25,000	-	\$25,000



# MIDSIZE 4X4 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 new vehicle for the Assistant Parks and Recreation Director in the Administration Division. This position routinely travels with passenger to and from off campus locations such as trainings, conferences, and meetings. The SUV seats eight with third row seat option while providing more cabin space and hauling capacity when needed. The additional space also provides more flexibility for staff use as the vehicle ages and may be used in other parts of the Parks and Recreation Department fleet. The vehicle is one of two of this size in the Department's fleet. The anticipated Life Cycle of a new unit is expected to be 10 years or 100,000 miles.

3/4-TON 4X4 PICKUP TRUCK WITH STANDARD CAB					
FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$39,000	\$39,000	-	-	-	-

# 3/4-TON 4X4 PICKUP TRUCK

**Fund:** Capital

**Department:** Horticulture & Forestry

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

**Description and Justification:** In the Park Operations Division, the funds will be used to purchase a replacement truck for the Horticulture & Forestry Unit. The unit is currently used in a variety of roles in the department including being used to pull equipment trailers, haul materials/supplies to/from jobsites and to handle general transportation needs. The replacement vehicle will be outfitted as a 3/4-Ton 4x4 pickup truck with a standard cab. The anticipated life cycle of a new unit in this category is expected to be 10 years or 100,000 miles. Snow plow and salt spreaders will not be included with the purchase of any of these vehicles and, if needed, will be the responsibility of the Street department's budget. Truck #802 is currently 18-years old and has 94,429 miles on it.

## 3/4-TON 4X4 PICKUP TRUCK WITH STANDARD CAB

### FUNDING SCHEDULE

Total	2023	2024	2025	2026	2027
\$36,000	\$36,000	-	-	-	-

# 1/2-TON 4X4 EXTENDED CAB PICKUP TRUCK

**Fund:** Capital

**Department:** Recreation

**Project Cost:** \$32,000 | **Outside Funding:** \$-0- | **City Cost:** \$32,000

**Description:** Funds will be used to replace a 2006 Chevy Colorado pickup with and extended cab. This vehicle was transferred from Public Works in 2018. This vehicle is used in daily Recreation Division for hauling materials, supplies and equipment to and from various parks. A pickup truck is necessary for hauling concession items and sport-related equipment throughout the year. The anticipated life cycle of a new unit is expected to be 10 years or 100,000 miles. Because this vehicle was kept in the fleet after its expected lifespan, replacement will be scheduled within the five-year plan.

**Justification:** This is a straight forward vehicle replacement scheduled to avoid escalating maintenance costs. Truck #804 is currently 16-years old and 74,359 miles on it.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$32,000	\$32,000	-	-	-	-

# LED INFORMATIONAL SIGN

**Fund:** Capital

**Department:** Maintenance

**Project Cost:** \$17,000 | **Outside Funding:** \$-0- | **City Cost:** \$17,000

**Description and Justification:** Funds will be utilized to purchase two mobile LED informational signs for the Park and Recreation Department. The unit currently in use was passed down from the Street Division and needs 10 of the 24 display panels replaced along with new batteries. The Department inherited two of these informational signs and was able to salvage one working sign by using parts from the other. As this sign continues to age so does the technology and replacement parts are becoming more costly. Over time it is going to be more cost effective to replace the older signs and convert to the newer LED technology. The estimated cost is in line with a recent purchase of a new sign made by the Street Division.

**Anticipated Benefit:** The sign will be used for marketing and information sharing purposes to notify residents of upcoming programs/events taking place as well as a means for communicating road closures when they are going to occur.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$17,000	\$17,000	-	-	-	-

# SPRAYER

**Fund:** Capital

**Department:** Horticulture & Forestry

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

**Description and Justification:** This L.T. Rich Z-Max sprayer will be used for applying liquid and granular fertilization, spraying pre- and post-emergent chemical applications and performing aeration and slit seeding in small areas. This equipment will further increase our efficiency in implementing the lawn care program. Currently the only means of performing these types of applications is with a walk-behind spreader and hand-held sprayers. Staff maintains 60+ acres of irrigated turf and walks the most of that to make the necessary applications. The Z-Max carries 50 gallons of liquid and a total of 300 lbs. of fertilizer. With a 4.0 GPM pump and a 60" boom, the Z-Max can spray from 1/4 gallon up to the 1.5 gallons per 1,000 square feet which allows for up to 150,000 square feet of coverage without refilling. This contrasts with the typical granular applicator which hold 50lbs or the five-gallon hand held pump sprayer. Typical life span for a mower like this in park setting is about 2,000 hours.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$15,000	\$15,000	-	-	-	-

## 60” ZERO-TURN MOWER

**Fund:** Capital

**Department:** Horticulture & Forestry

**Project Cost:** \$12,000 | **Outside Funding:** \$-0- | **City Cost:** \$12,000

**Description and Justification:** Funds will be used to purchase a replacement 60” zero-turn mower for the Horticulture and Forestry Division. The unit being replaced is a 61” Scag Cheetah purchased in 2016. This zero-turn unit has a 60" wide mowing deck which is ideal for park related mowing and is used daily during the mowing season to mow parks and public areas in the park system. This unit will have passed its 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.

**Anticipated Benefit:** The City will see increased productivity.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$12,000	\$12,000	-	-	-	-

## 72” ZERO-TURN MOWERS

**Fund:** Capital

**Department:** Horticulture & Forestry

**Project Cost:** \$42,000 | **Outside Funding:** \$-0- | **City Cost:** \$42,000

**Description and Justification:** Funds will be used to purchase three replacement 72” zero-turn mowers for the Horticulture and Forestry Division. The units being replaced are 72” Scag Cheetah zero turn mowers. This unit has a 72" wide mowing deck which is ideal for park related mowing and is used daily during the mowing season to mow parks and public areas in the park system. This unit will have passed its expected useful life and is in need of replacement to avoid escalating maintenance costs.

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

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$42,000	\$14,000	\$14,000	\$14,000	-	-

# ZERO-TURN MOWER

**Fund:** Capital

**Department:** Horticulture & Forestry

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

**Description and Justification:** Funds will be used to purchase replacement zero turn mowers for two John Deere 997 Z-Trac mowers that were bought in 2010. These zero turn units have a 6' wide mowing deck which is ideal for park related mowing and is used daily during the mowing season to mow parks and public areas in the park system. This unit will have passed its 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 5-7 years or 1,800 hours.

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

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$28,000	\$14,000	\$14,000	-	-	-

# MINI-EXCAVATOR

**Fund:** Capital

**Department:** Maintenance

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

**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 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, in the case of an emergency, would leave the Park Operations Division with the resources to complete their work.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$65,000	-	\$65,000	-	-	-



# SKID LOADER

**Fund:** Capital

**Department:** Horticulture & Forestry

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

**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. This equipment is largely used for grading ballfields or pad sites, planting trees, sod installations, stump grinding, loading of 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 to the staff. 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.

The anticipated life cycle for a mower like this in park setting is expected to be around 5-7 years or 2,500 hours.

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



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$65,000	-	\$65,000	-	-	-

# ONE-TON PICKUP TRUCK WITH EXTENDED CAB

**Fund:** Capital

**Department:** Maintenance

**Project Cost:** \$58,150 | **Outside Funding:** \$-0- | **City Cost:** \$58,150

**Description:** Funds will be used to purchase 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	2023	2024	2025	2026	2027
\$58,150	-	-	-	-	\$58,150

# AWD CROSSOVER

**Fund:** Capital

**Department:** Recreation and Administration

**Project Cost:** \$95,000 | **Outside Funding:** \$-0- | **City Cost:** \$95,000

**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 in daily Recreation Division for hauling materials, supplies and equipment to and from job sites. Vehicle #800 is currently 14-years-old with 52,602 miles. Vehicle #805 is currently 19-years-old with 48,021 miles.

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

FUNDING SCHEDULE					
Total	2023	2024	2025 (2)	2026	2027
\$95,000	-	\$31,000	\$64,000	-	-
		Administration	Recreation		

# UTILITY TRACTOR

**Fund:** Capital

**Department:** Horticulture & Forestry

**Project Cost:** \$47,600 | **Outside Funding:** \$-0- | **City Cost:** \$47,600

**Description:** Funds will be used to purchase a replacement 80HP John Deere 4x4 compact utility tractor with turf tires for the Park Horticulture and Forestry staff. This unit is used by the Horticulture & Parks 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 and parts are hard to obtain due to the age of the unit.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$47,600	-	-	\$47,600	-	-

# 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 blow down irrigation systems as part of our annual winterization process and to use jackhammers or other pneumatic tools in inventory. The expected useful lifetime of this machine is 20 years.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$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 2016 Stienner 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	2023	2024	2025	2026	2027
\$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, Unit #JD770. This unit is used by Horticulture & Parks 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 and parts are hard to obtain due to the age of the unit.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$18,700	-	-	\$18,700	-	-

# TURF SPRAYER

**Fund:** Capital

**Department:** Horticulture & Forestry

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

**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 park related 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 a mower like this in park setting is expected to be around 10 years.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$15,000	-	-	\$15,000	-	-

# 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:** These utility vehicles will replace machines that have exceeded its expected useful life that is in need of replacement to avoid escalating maintenance costs and parts that are increasingly hard to obtain due to the age of the unit.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$15,000	-	-	\$15,000	-	-

# 4X4 PICKUP TRUCK WITH POLICE PACKAGE

**Fund:** Capital

**Department:** Administration

**Project Cost:** \$53,000 | **Outside Funding:** \$-0- | **City Cost:** \$53,000

**Description and Justification:** Funds will be used to purchase a replacement 4x4 pickup with complete police package, light bars, radios, computer, cage, and equipment storage. The unit will have markings identifying it as Park Ranger. This unit is used by the Park Ranger Division to patrol parks, respond to incidents in the park and to assist Police Department when available. Currently, the Police Ranger on duty gets whatever vehicle is left over and since it is a shared unit the on-duty Park Ranger needs to load and unload their equipment at the end of each shift. Staff is recommending that this unit be a 4x4 unit to be able to get in and out of muddy areas and to be able to transport the officer to off-road areas in the park where a traditional rear wheel drive unit could not reach. Staff is also recommending that the unit have a dedicated AED unit installed as part of the basic equipment package to ensure Rangers have the ability to respond to life threatening scenarios in the more remote locations that they are required to visit. Truck #73 is 5-years old, with 45,466 miles on it.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$53,000	-	-	-	\$53,000	-

# STUMP GRINDER

**Fund:** Capital

**Department:** Horticulture & Forestry

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

**Description and Justification:** This pull behind unit is used on a weekly basis by the forestry crew in the execution of tree removals. 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	2023	2024	2025	2026	2027
\$50,000	-	-	-	\$50,000	-

# 1-TON 4X4 PICKUP TRUCK

**Fund:** Capital

**Department:** Administration

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

**Description and Justification:** Funds will be used to purchase a replacement standard 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. Truck #801 is 5-years old with 18,402 miles on it.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$60,000	-	-	-	\$60,000	-



## 4X4 SPORTS FIELD TURF UTILITY VEHICLE

**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 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, spraying 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	2023	2024	2025	2026	2027
\$25,000	-	-	-	\$25,000	-

## 6X4 TURF UTILITY VEHICLE

**Fund:** Capital

**Department:** Horticulture & Forestry

**Project Cost:** \$53,000 | **Outside Funding:** \$-0- | **City Cost:** \$15,000

**Description and Justification:** Funds will be used to purchase a 6X4 utility vehicle as part of a scheduled replacement program. Because of its light duty construction, the current utility vehicle has very limited use beyond transporting personnel and minor equipment to/from job sites. Staff is proposing to replace this unit with a more functional heavy duty utility vehicle with a payload capable of handling bulk materials. The 6x4 utility vehicle has one of the bigger payload capacities (1,500 lbs.) on the market and has a proven track record for the type of use being proposed. Public Works has expressed interest in this unit for conducting their slab condition survey.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$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 purchase a replacement for the 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 and parts are increasingly hard to obtain due to the age of the unit.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$14,500	-	-	-	\$14,500	-

# 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 its purchase of mulch and compost material within 3-4 years. Additionally, the City could start a resident program to provide materials compost/mulch at a low (or no) cost to residents.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$27,000	-	-	-	-	\$27,000

# COMPACT 4X4 UTILITY TRACTOR

**Fund:** Capital

**Department:** Horticulture & Forestry

**Project Cost:** \$22,000 | **Outside Funding:** \$-0- | **City Cost:** \$22,000

**Description and Justification:** Funds will be used to purchase a replacement 2010 John Deere 2520 4x4 compact utility tractor with turf tires. This unit is used by the Horticulture & Parks 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	2023	2024	2025	2026	2027
\$22,000	-	-	-	-	\$22,000

# 4X4 UTILITY VEHICLE WITH POLICE PACKAGE

**Fund:** Capital

**Department:** Administration

**Project Cost:** \$18,500 | **Outside Funding:** \$-0- | **City Cost:** \$18,500

**Description and Justification:** Funds will be used to purchase a replacement 4x4 utility vehicle with complete police package, light bars, and equipment storage. The unit will have markings identifying it as Park Ranger. Current equipment was purchased in 2016. The Park Ranger Division will use this unit to patrol the remote areas of the parks, respond to incidents in the park and to assist Police Department with crowd control at special events when required. Staff is recommending that this unit be a 4x4 unit to be able to get in and out of muddy areas and to be able to transport the officer to offroad areas in the park where a traditional RWD unit could not reach. Staff has been in communication with other municipalities to determine how they equip their Park Rangers and this is very common. Staff is also recommending that Rangers have the ability to respond to life threatening scenarios in the more remote locations that they are required to visit.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$18,500	-	-	-	-	\$18,500

# 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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$9,000	-	-	-	-	\$9,000

# HOLIDAY LIGHTS DISPLAY

**Fund:** Capital

**Department:** Recreation

**Location:** Rotary Park

**Project Cost:** \$84,500 | **Outside Funding:** \$-0- | **City Cost:** \$84,500

**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	2023	2024	2025	2026	2027
\$84,500	\$16,500	\$17,000	\$17,000	\$17,000	\$17,000

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# Engineering



# ENGINEERING

PROJECT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Eng – Stormwater	ARPA Stormwater Projects (Federal)	144,000	660,000	-	-	-	804,000
Eng – Stormwater	ARPA Stormwater Projects (State)	500,000	2,500,000	-	-	-	3,000,000
Eng – Stormwater	Victoria Park Ave. Stormwater Improvements	175,000	-	-	-	-	175,000
Engineering	Demolition – 310 W. Pearce Blvd.	-	20,000	200,000	-	-	220,000
Engineering	I-70 Landscaping Replacement and Renovation	-	25,000	100,000	-	-	125,000
Eng – Stormwater	Stormwater Maintenance Reserve	100,000	100,000	125,000	125,000	125,000	575,000
TOTAL		919,000	3,305,000	425,000	125,000	125,000	4,899,000

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Eng – Stormwater	Pipe Pole Camera	21,000	-	-	-	-	21,000
Eng – Stormwater	Equipment Trailer	17,500	-	-	-	-	17,500
Engineering/Strm	1/2-Ton Crew Cab 4x4 Pickup Truck	86,000	-	-	106,000	-	192,000
Engineering	Compact SUV	-	-	32,000	-	-	32,000
TOTAL		124,500	-	32,000	106,000	-	262,500

# ENGINEERING

TOTAL PROJECTS AND EQUIPMENT						
	2023	2024	2025	2026	2027	Five Year Total
<b>TOTAL</b>	1,043,500	3,305,000	457,000	231,000	125,000	5,161,500

FUNDING SOURCE						
Source	2023	2024	2025	2026	2027	Total
Capital Fund	203,500	145,000	457,000	231,000	125,000	1,161,500
Federal American Rescue Plan Act	340,000	660,000	-	-	-	1,000,000
State American Rescue Plan Act	500,000	2,500,000	-	-	-	3,000,000
<b>TOTAL</b>	1,043,500	3,305,000	457,000	231,000	125,000	5,161,500

# ARPA STORMWATER PROJECTS (FEDERAL)

**Fund:** Capital

**Department:** Engineering – Stormwater

**Location:** Citywide

**Project Cost:** \$804,000 | **Outside Funding:** \$804,000 | **City Cost:** \$-0-  
 Planning, Engineering, and Pre-Construction - \$90,000  
 Construction - \$714,000  
 Federal American Rescue Plan Act - \$804,000

**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.

YEAR	2023	2024
602 E. Pitman Ave.	\$10,000	\$45,000
Meyer Rd. Twin CMP Replacement	\$17,000	\$22,000
504/505 Cheryl Ann	\$20,000	\$45,000
521/524 Pilgrim	\$90,000	\$400,000
Northview Box Access	\$7,000	\$18,000
Main St. (West of Church St.)	-	\$130,000

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$804,000	\$144,000	\$660,000	-	-	-
Federal ARPA	\$144,000	\$660,000	-	-	-

# ARPA STORMWATER PROJECTS (STATE)

**Fund:** Capital

**Department:** Engineering – Stormwater

**Location:** Citywide

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

Planning and Engineering - \$500,000

Construction - \$2,500,000

State American Rescue Plan Act (Missouri Department of Natural Resources) - \$3,000,000

**Description and Justification:** Existing, federal ARPA funds may be leveraged for additional state funding for eligible stormwater projects to improve water quality, system capacity and system resilience. The focus for additional state funding is replacing/lining aged pipes citywide and stream bank stabilization improvements to help protect public infrastructure. These projects would be in addition to those listed under the ARPA Stormwater Projects (Federal) line item.

**Anticipated Benefit:** State funding allows the City to leverage federal funding as a match to achieve more comprehensive and large-scale improvements to undersized, deteriorated or impacted public infrastructure that otherwise do not have a dedicated revenue source to complete.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$1,000,000	\$500,000	\$2,500,000	-	-	-
MO DNR ARPA	\$500,000	\$2,500,000	-	-	-

# VICTORIA PARK AVE. STORMWATER IMPROVEMENTS

**Fund:** Capital

**Department:** Engineering – Stormwater

**Location:** Victoria Park Ave., Golden Gate Pkwy., Central Park Ave.

**Project Cost:** \$210,700 | **Outside Funding:** \$175,000 | **City Cost:** \$35,700

Planning and Engineering - \$35,700

Construction - \$175,000

Federal American Rescue Plan Act (83%) - \$175,000

**Description and Justification:** Significant bypass of storm drains results in street ponding in excess of 9", posing access issues and safety concerns. Consultant evaluation found that inlets along these streets do not collect the intended flow and could potentially be modified to carry what was designed for the 15-year-20-minute storm event to mitigate street ponding issues. This project will construct the proposed solutions to add 50 feet of storm drains, three new curb or trench inlets, and modifications to the system to recover the intended inlet intake at five existing inlet locations.

**Anticipated Benefit:** Optimizing public infrastructure intake capacity and minimizing potential claims for impacts to private property.



## FUNDING SCHEDULE

Total	PRIOR	2023	2024	2025	2026	2027
\$210,700	\$35,700	\$175,000	-	-	-	-
Federal ARPA	-	\$175,000	-	-	-	-

# DEMOLITION – 310 W. PEARCE BLVD.

**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	2023	2024	2025	2026	2027
\$220,000	-	\$20,000	\$200,000	-	-

# I-70 LANDSCAPING REPLACEMENT AND RENOVATION

**Fund:** Capital

**Department:** Engineering

**Location:** I-70 at Wentzville Parkway

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

**Description and Justification:** The funds will be utilized for slope stabilization repair and replacement of the I-70 landscaping along the Wentzville Parkway Interchange. Included in this project will be updated “Wentzville” lettering for the bridge façade.

**Anticipated Benefit:** The landscaping improvements at this interchange have reached maturity and the appearance has become overgrown. Erosion of the slope has occurred in some locations and the irrigation system has become exposed. Contracted removal of some of the landscaping would allow for repair of the eroded slopes and replanting of more manageable landscaping with an improved appearance.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$125,000	-	\$25,000	\$100,000	-	-



# STORMWATER MAINTENANCE RESERVE

**Fund:** Capital

**Department:** Engineering – Stormwater

**Location:** Citywide

**Project Cost:** \$575,000 | **Outside Funding:** \$-0- | **City Cost:** \$575,000

**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	2023	2024	2025	2026	2027
\$575,000	\$625,000	\$100,000	\$100,000	\$125,000	\$120,000	\$125,000



# PIPE POLE CAMERA

**Fund:** Capital

**Department:** Engineering - Stormwater

**Project Cost:** \$21,000 | **Outside Funding:** \$21,000 | **City Cost:** \$-0-  
Federal American Rescue Plan Act - \$21,000

**Description and Justification:** Increase GPS survey equipment by one for a total of two. The GPS survey equipment is currently split amongst all department staff for field staking, data collection and quantity measurements for various capital projects. The addition of this GPS unit will ensure availability amongst staff to keep up with the current and projected workload from the increased number of capital projects.

**Anticipated Benefit:** The equipment will allow staff to continue to efficiently complete construction management services in house for capital projects. The GPS equipment is essential for field data collection for the various projects, and this addition will allow staff to keep up with the increase in management of capital projects.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$21,000	\$21,000	-	-	-	-
Federal ARPA	\$21,000	-	-	-	-

# EQUIPMENT TRAILER

**Fund:** Capital

**Department:** Engineering – Stormwater

**Project Cost:** \$17,500 | **Outside Funding:** \$-0- | **City Cost:** \$17,500

**Description and Description:** Purchase of a 20,000 lb. equipment trailer that will be used to haul the rubber tire skid steer loader (transferred from Streets) and attachments used for different situations of stormwater maintenance.

**Anticipated Benefit:** Reduces conflicts for using Street Department's equipment trailer when their skid steer is scheduled for other streets/asphalt projects. Replacement of 2000 model trailer that is getting close to being undersized for the size of equipment.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$17,500	\$17,500	-	-	-	-

# 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	2023 (2)	2024	2025	2026 (2)	2027
\$192,000	\$86,000	-	-	\$106,000	-
	Engineering			Engineering and Stormwater	

COMPACT SUV – Engineering					
FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$32,000	-		\$32,000	-	-

**Public Works**

# PUBLIC WORKS

PROJECT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
PW – Admin	Public Works Facility	33,000,000	-	-	-	-	33,000,000
PW – Facility Op.	Public Works Facility – Long-Term Retrofit	110,000	110,000	110,000	-	-	330,000
PW – Admin	General Land Acquisition	400,000	400,000	400,000	400,000	400,000	2,000,000
PW – Streets	Bear Creek Drive Lighting Upgrade	70,000	-	-	-	-	70,000
PW – Streets	David Hoekel Parkway Lighting at Interstate	-	-	-	-	50,000	50,000
<b>TOTAL</b>		33,580,000	510,000	510,000	400,000	450,000	35,450,000

# PUBLIC WORKS

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
PW – Street Sign.	High Lift Track Loader	275,000	-	-	-	-	275,000
PW – Street Sign.	Equipment Trailer	17,500	-	-	-	-	17,500
PW – Admin	Multi-Purpose Standby Generator	12,500	-	-	-	-	12,500
PW – Street Sign.	Temporary Traffic Signal/Flagger Unit	-	90,000	-	-	-	90,000
PW – Facility Op.	Electrical Van	-	46,000	-	-	-	46,000
PW – Facility Op.	Forklift	-	38,000	-	-	-	38,000
PW – Facility Op.	Dump Trailer	-	15,000	-	-	-	15,000
PW – Admin	1/2-Ton Crew Cab 4x4 Pickup Truck	-	48,000	-	-	-	48,000
PW – Facility Op.	Compact SUV	-	31,000	-	-	-	31,000
PW	3/4-Ton 4x4 Pickup Truck	-	-	84,000	88,000	-	172,000
PW – Street Sign.	Vibratory Roller	-	-	60,000	-	-	60,000
PW	One-Ton Service Truck	-	-	59,000	124,000	-	183,000
PW – Street Sign.	Medium-Duty Dump Truck	-	-	-	100,000	-	100,000
PW – Street Sign.	Dump Truck with Plow and Spreader	-	-	-	-	190,000	190,000
PW – Street Sign.	Chipper	-	-	-	-	75,000	75,000
PW – Street Sign.	Message Board	-	-	-	-	22,500	22,500
PW – Street Sign.	Paint Striper	-	-	-	-	10,000	10,000
<b>TOTAL</b>		305,000	268,000	203,000	312,000	297,500	1,385,500

# PUBLIC WORKS

TOTAL PROJECTS AND EQUIPMENT						
	2023	2024	2025	2026	2027	Five Year Total
<b>TOTAL</b>	33,885,000	778,000	713,000	712,000	747,500	36,835,500

FUNDING SOURCE						
Source	2023	2024	2025	2026	2027	Total
Capital Fund	885,000	778,000	713,000	712,000	747,500	3,835,500
Certificate of Participation Issuance	33,000,000	-	-	-	-	33,000,000
<b>TOTAL</b>	33,885,000	778,000	713,000	712,000	747,500	36,835,500

# 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 - \$1,600,000

Certificate of Participation Issuance - \$33,000,000

**Description and Justification:** The existing Public Works Facility at 4<sup>th</sup> 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 4<sup>th</sup> Street facility. Water and Facility inventory storage will also remain at the 4<sup>th</sup> 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	2023	2024	2025	2026	2027
\$36,110,241	\$3,110,241	\$33,000,000	-	-	-	-



# 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:** 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	2023	2024	2025	2026	2027
\$350,000	\$20,000	\$110,000	\$110,000	\$110,000	-	-

# 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	2023	2024	2025	2026	2027
\$2,000,000	\$861,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000

# BEAR CREEK DRIVE LIGHTING UPGRADE

**Fund:** Capital

**Department:** Public Works – Streets & Signals

**Project Cost:** \$70,000 | **Outside Funding:** \$-0- | **City Cost:** \$70,000

**Description and Justification:** Upgrade existing, unreliable solar lighting to hard-wired lighting on Bear Creek Drive. This is in response to numerous resident concerns about the low reliability of the existing solar lighting.

**Anticipated Benefit:** This lighting will improve reliability.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$70,000	\$70,000	-	-	-	-

# 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 intersection of David Hoekel Parkway and Interstate Drive to improve visibility of the intersection to oncoming traffic at night.

**Anticipated Benefit:** This lighting will improve safety at the intersection.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$50,000	-	-	-	-	\$50,000

# HIGH LIFT TRACK LOADER

**Fund:** Capital

**Department:** Public Works – Streets & Signals

**Project Cost:** \$275,000 | **Outside Funding:** \$-0- | **City Cost:** \$275,000

**Description and Justification:** Replace 2000 model 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. In addition to standard loading, dumping and material moving, this equipment is mainly used to move and level construction debris at the City fill site.

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

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$275,000	\$275,000	-	-	-	-

# EQUIPMENT TRAILER

**Fund:** Capital

**Department:** Public Works – Streets and Signals

**Project Cost:** \$17,500 | **Outside Funding:** \$-0- | **City Cost:** \$17,500

**Description and Description:** Purchase a 20,000 lb. equipment trailer to be used to haul the skid steer and/or mini-excavator.

**Anticipated Benefit:** Reduces conflicts for using Street Department's equipment trailer when their skid steer is scheduled for other streets/asphalt projects. Replacement of 2000 model trailer that is getting close to being undersized for the size of equipment.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$17,500	\$17,500	-	-	-	-

# MULTI-PURPOSE STANDBY GENERATOR

**Fund:** Capital

**Department:** Public Works – Administration

**Project Cost:** \$12,500 | **Outside Funding:** \$-0- | **City Cost:** \$12,500

**Description and Justification:** The building at 200 E. 4<sup>th</sup> 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	2023	2024	2025	2026	2027
\$12,500	\$12,500	-	-	-	-

# TEMPORARY TRAFFIC SIGNAL/FLAGGER UNIT

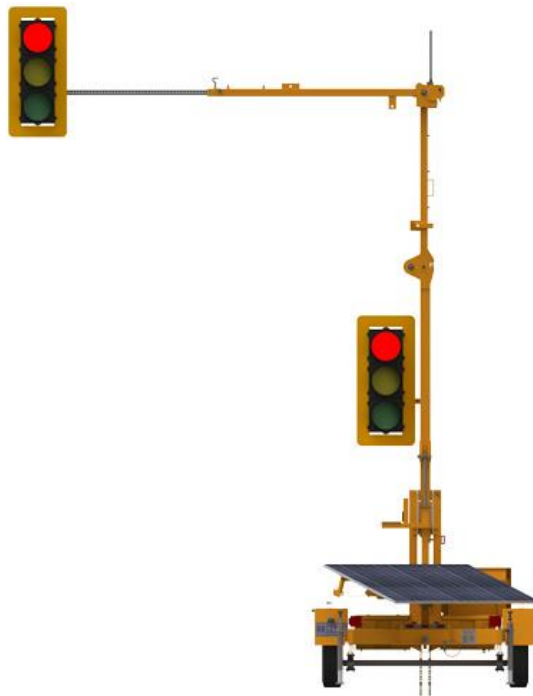
**Fund:** Capital

**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	2023	2024	2025	2026	2027
\$90,000	-	\$90,000	-	-	-

# ELECTRICAL VAN

**Fund:** Capital

**Department:** Public Works – Facility Operations

**Project Cost:** \$46,000 | **Outside Funding:** \$-0- | **City Cost:** \$46,000

**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	2023	2024	2025	2026	2027
\$46,000	-	\$46,000	-	-	-

# 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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$15,000	-	\$15,000	-	-	-



# 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	2023	2024	2025	2026	2027
\$48,000	-	\$48,000	-	-	-

## COMPACT SUV – Facility Operations

### FUNDING SCHEDULE

Total	2023	2024	2025	2026	2027
\$31,000	-	\$31,000	-	-	-

## 3/4-TON 4x4 PICK TRUCK

### FUNDING SCHEDULE

Total	2023	2024	2025 (2)	2026 (2)	2027
\$172,000	-	-	\$84,000	\$88,000	-
			Fleet and Streets and Signals	Streets and Signals	

# 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	2023	2024	2025	2026	2027
\$60,000	-	-	\$60,000	-	-

# ONE-TON SERVICE TRUCK

**Fund:** Capital

**Department:** Public Works – Fleet and Facility Operations

**Project Cost:** \$183,000 | **Outside Funding:** \$-0- | **City Cost:** \$183,000

**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	2023	2024	2025	2026 (2)	2027
\$183,000	-	-	\$59,000*	\$124,000**	-
* Truck for Fleet					
** Two Trucks for Facility Operations					

## MEDIUM-DUTY DUMP TRUCK

**Fund:** Capital

**Department:** Public Works – Streets & Signals

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

**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	2023	2024	2025	2026	2027
\$100,000	-	-	-	\$100,000	-

## DUMP TRUCK WITH PLOW AND SPREADER

**Fund:** Capital

**Department:** Public Works – Streets & Signals

**Project Cost:** \$190,000 | **Outside Funding:** \$-0- | **City Cost:** \$190,000

**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	2023	2024	2025	2026	2027 (2)
\$190,000	-	-	-	-	\$190,000

# 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	2023	2024	2025	2026	2027
\$75,000	-	-	-	-	\$75,000

# MESSAGE BOARD

**Fund:** Capital

**Department:** Public Works – Streets & Signals

**Project Cost:** \$22,500 | **Outside Funding:** \$-0- | **City Cost:** \$22,500

**Description and Justification:** Replacement of aging 2016 message board.

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

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$10,000	-	-	-	-	\$10,000

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# Transportation

# TRANSPORTATION

PROJECT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Transp. – Admin	David Hoekel Parkway Phase 2D	10,050,000	-	-	-	-	10,050,000
Transp. – Admin	Wentzville Parkway South - Phase 2	9,500,000	-	-	-	-	9,500,000
Transp. – Admin	Wentzville Parkway South - Phase 2A	1,200,000	-	-	-	-	1,200,000
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	Highway Z and Interstate Drive Intersection Improvements	2,200,000	-	-	-	-	2,200,000
Transp. – Admin	Highway Z and Interstate Drive Right Turn Lane	200,000	-	-	-	-	200,000
Transp. – Admin	West Pearce Blvd. – May Road to Goodfellow Pavement Rehabilitation	1,400,000	-	-	-	-	1,400,000
Transp. – Admin	Citywide Fiber Partnership	500,000	-	-	-	-	500,000
Transp. – Admin	Peine Road Safety Improvements	600,000	2,200,000	-	-	-	2,800,000
Transp. – Admin	Historic Downtown Revitalization	500,000	1,000,000	500,000	1,000,000	-	3,000,000
Transp. – Admin	Highway 61 Outer Road – Phase 2A – Parkway Turn Lane	75,000	2,500,000	-	-	-	2,575,000
Transp. – Admin	Pearce at Linn Intersection Improvements	100,000	175,000	625,000	-	-	900,000
Transp. – Admin	Railroad Bridge Overpass at Luetkenhaus Blvd.	250,000	-	-	-	-	250,000
Transp. – Admin	Wentzville Parkway Sidewalk	3,000	600,000	-	-	-	603,000
Transp. – Admin	Wilmer Road Safety Improvements	300,000	-	450,000	2,650,000	-	3,400,000
Transp. – Admin	Mexico Road Safety Improvements	510,000	450,000	4,500,000	-	-	5,460,000
Transp. – Admin	Route N – Phase 2A	-	-	-	6,000,000	-	6,000,000
Transp. – Admin	Route N – Phase 2B	-	6,000,000	-	-	-	6,000,000
Transp. – Admin	North Point Prairie Road Study	-	400,000	-	-	-	400,000
Transp. – Admin	Railroad Quiet Zone	-	70,000	600,000	-	-	670,000
Transp. – Admin	Highway 61 Outer Road – Phase 2	-	50,000	200,000	8,500,000	-	8,750,000



# TRANSPORTATION

PROJECT							
Transp. – Admin	Highway 61 Outer Road – Phase 3	-	-	50,000	100,000	4,000,000	4,150,000
Transp. – Admin	North Service Road Curve Realignment	-	-	-	100,000	100,000	200,000
Transp. – Admin	David Hoekel Parkway Phase 3	-	-	750,000	400,000	10,000,000	11,150,000
Transp. – Admin	Quartz Canyon/Wilmer Meadow Connection	-	-	-	-	250,000	250,000
Transp.–Streets	Contracted Street and Sidewalk Maintenance	4,000,000	3,400,000	3,400,000	3,500,000	3,600,000	17,900,000
<b>Transportation Funded Equipment:</b>							
Transp. – Streets	Single-Axle Asphalt Patch Truck	200,000	-	-	-	-	200,000
Transp.–Streets	Single-Axle Dump Truck w/Plow and Spreader	-	180,000	-	190,000	-	370,000
Transp.–Streets	Tandem-Axle Dump Truck w/Plow and Spreader	-	-	-	220,000	-	220,000
<b>TOTAL</b>		34,098,000	27,525,000	11,075,000	22,660,000	17,950,000	113,308,000

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Transp. – Streets	Track Skid Loader	75,000	-	-	-	-	75,000
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	30,000	35,000	36,000	37,000	38,000	176,000
<b>TOTAL</b>		105,000	110,000	36,000	160,500	218,000	629,500

# TRANSPORTATION

TOTAL PROJECTS AND EQUIPMENT						
	2023	2024	2025	2026	2027	Five Year Total
<b>TOTAL</b>	34,203,000	27,635,000	11,111,000	22,820,500	18,168,000	113,937,500

FUNDING SOURCE						
Source	2023	2024	2025	2026	2027	Total
Capital Fund	105,000	110,000	36,000	160,500	218,000	629,500
Transportation Fund	13,393,180	9,495,282	5,481,178	7,600,000	6,145,000	42,114,640
St. Charles County Cost Share	17,552,256	10,136,763	3,374,315	10,760,000	9,805,000	51,628,334
MoDOT Cost Share	155,000	5,177,124	250,000	-	-	5,582,124
Federal STP	1,325,190	2,211,251	1,661,770	4,300,000	2,000,000	11,498,211
Federal TAP	2,400	428,080	-	-	-	430,480
Federal CMAQ	1,169,974	76,500	307,737	-	-	1,554,211
Federal American Rescue Plan Act	500,000	-	-	-	-	500,000
<b>TOTAL</b>	34,203,000	27,635,000	11,111,000	22,820,500	18,168,000	113,937,500

# DAVID HOEKEL PARKWAY – PHASE 2D

**Fund:** Transportation

**Department:** Administration

**Location:** David Hoekel Parkway between Goodfellow Road and West Meyer

**Project Cost:** \$10,705,000 | **Outside Funding:** \$7,065,600 | **City Cost:** \$3,639,400

Planning and Engineering (2020) - \$430,000

Right of Way (2022) - \$275,000

Construction (2023) – \$10,000,000

St. Charles County (66%) - \$7,065,600

**Description and Justification:** This phase of David Hoekel Parkway will complete the connection from Goodfellow Road to West Meyer Road, in accordance with the City's Thoroughfare Plan. This section of roadway will provide greater connectivity for the community by providing access from I-70 to a major east west collector in West Meyer Road. The project will be designed to accommodate the eventual complete four-lane cross section. However, the initial construction will be planned only as a two-lane roadway based on current demand and budget constraints. Most of the right of way necessary for this project was acquired through dedications associated with new subdivisions along the project route.

**Anticipated Benefit:** Improve safety for drivers as well as add an additional platform for commercial growth and development. This extension will better allow full utilization of the I-70 DHP Interchange by making connection with a major east west collector.



## FUNDING SCHEDULE

Total	PRIOR	2023	2024	2025	2026	2027
\$10,705,000	\$655,000	\$10,050,000	-	-	-	-
St. Charles County	\$524,000	\$6,541,600	-	-	-	-

# WENTZVILLE PARKWAY SOUTH – PHASE 2

**Fund:** Transportation

**Department:** Administration

**Location:** Veterans Memorial Drive to Interstate Drive

**Project Cost:** \$10,902,860 | **Outside Funding:** \$8,000,000 | **City Cost:** \$2,902,860

Planning/Engineering - \$700,000

Pre-Construction - \$702,860

Construction - \$9,500,000

St. Charles County (80%) - \$8,000,000

**Description and Justification:** Phase 2 of this project will extend Wentzville Parkway South to reach Interstate Drive and provide a critical north-south arterial for the City and region. The road will initially construct a two-lane cross section to minimize cost but will be designed to accommodate the future construction of a four-lane cross section. The project will also include the construction of a grade separated bridge over the railroad to allow uninterrupted access to and from the north and south side of the City and decrease the need to use the railroad crossings at Wilmer Road and at Hepperman Road.

**Anticipated Benefit:** The project will complete an arterial roadway (as planned in the City's Thoroughfare Plan) to provide a major connection between the north and south side of the City as well as uninterrupted access over the Norfolk Southern Railroad. The new roadway will also increase utilization of Interstate Drive as a major east-west collector.



## FUNDING SCHEDULE

Total	PRIOR	2023	2024	2025	2026	2027
\$10,902,860	\$1,402,860	\$9,500,000	-	-	-	-
St. Charles County	\$1,122,288	\$6,877,712	-	-	-	-

# WENTZVILLE PARKWAY SOUTH – PHASE 2A

**Fund:** Transportation

**Department:** Administration

**Location:** Interstate Drive to 1,200 feet South of Interstate Drive

**Project Cost:** \$1,462,000 | **Outside Funding:** \$682,000 | **City Cost:** \$780,000

Planning/Engineering - \$262,000

Pre-Construction - \$100,000

Construction - \$1,100,000

Private Developer (18%) - \$262,000

St. Charles County (29%) - \$420,000

**Description and Justification:** This project would extend a two-lane road section and accompanying multi-use trail south from Interstate Drive to the northernmost entrance of the proposed Boulevard at Wilmer Road subdivision. This extension will help with the eventual extension of Wentzville Parkway South to tie in with Wilmer Road near Peruque Creek and possibly work to divert additional traffic volume from Highway Z. Phase 2A of Wentzville Parkway South was originally submitted for construction in 2019 as a public/private partnership with Payne Family Homes, which planned to participate financially in this roadway extension project. Design activity was delayed in 2022 based on the development status.



**Anticipated Benefit:** The project will use a developer/County/City partnership to extend an arterial roadway south to provide primary access to a future residential development as well as the continued extension of Wentzville Parkway South to Wilmer Road near Peruque Creek to provide a north south transportation route.

## FUNDING SCHEDULE

Total	PRIOR	2023	2024	2025	2026	2027
\$1,462,000	\$262,000	\$1,200,000	-	-	-	-
Private Developer	\$262,000	-	-	-	-	-
St. Charles County	-	\$420,000	-	-	-	-

# GREAT OAKS BLVD. EXTENSION

**Fund:** Transportation

**Department:** Administration

**Location:** Great Oaks Blvd. – Great Oaks to Timber Trace

**Project Cost:** \$2,580,000 | **Outside Funding:** \$1,696,000 | **City Cost:** \$884,000

Planning/Engineering - \$180,000

Pre-Construction - \$200,000

Construction - \$2,200,000

St. Charles County (66%) - \$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.



FUNDING SCHEDULE						
Total	PRIOR	2023	2024	2025	2026	2027
\$2,580,000	\$380,000	\$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 Peruque Creek and the addition of a traffic signal at the intersection of Highway Z and Peruque Hill Parkway/Peruque Ridge Boulevard.

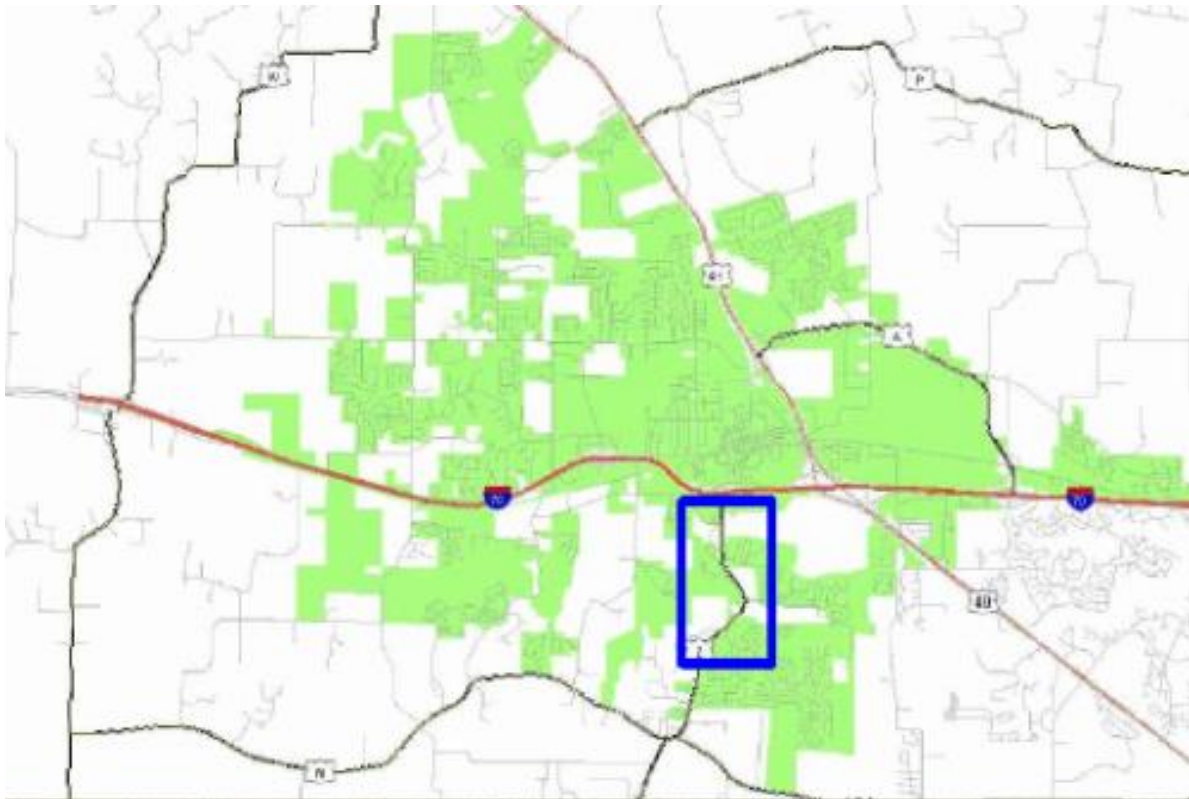
**Anticipated Benefit:** This project will reduce congestion, improve travel time, improve ride quality, improve safety, and increase capacity for residents that travel both northbound and southbound on Highway Z. This project will complement improvements at the intersection of Highway Z at Interstate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

## FUNDING SCHEDULE

Total	PRIOR	2023	2024	2025	2026	2027
\$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





# HIGHWAY Z AND INTERSTATE DRIVE INTERSECTION IMPROVEMENTS

**Fund:** Transportation

**Department:** Administration

**Location:** Intersection of Highway Z and Interstate Drive

**Project Cost:** \$2,632,433 | **Outside Funding:** \$1,800,000 | **City Cost:** \$832,433

Planning/Engineering - \$382,433

Pre-Construction - \$50,000

Construction - \$2,200,000

St. Charles County (23%) - \$600,000

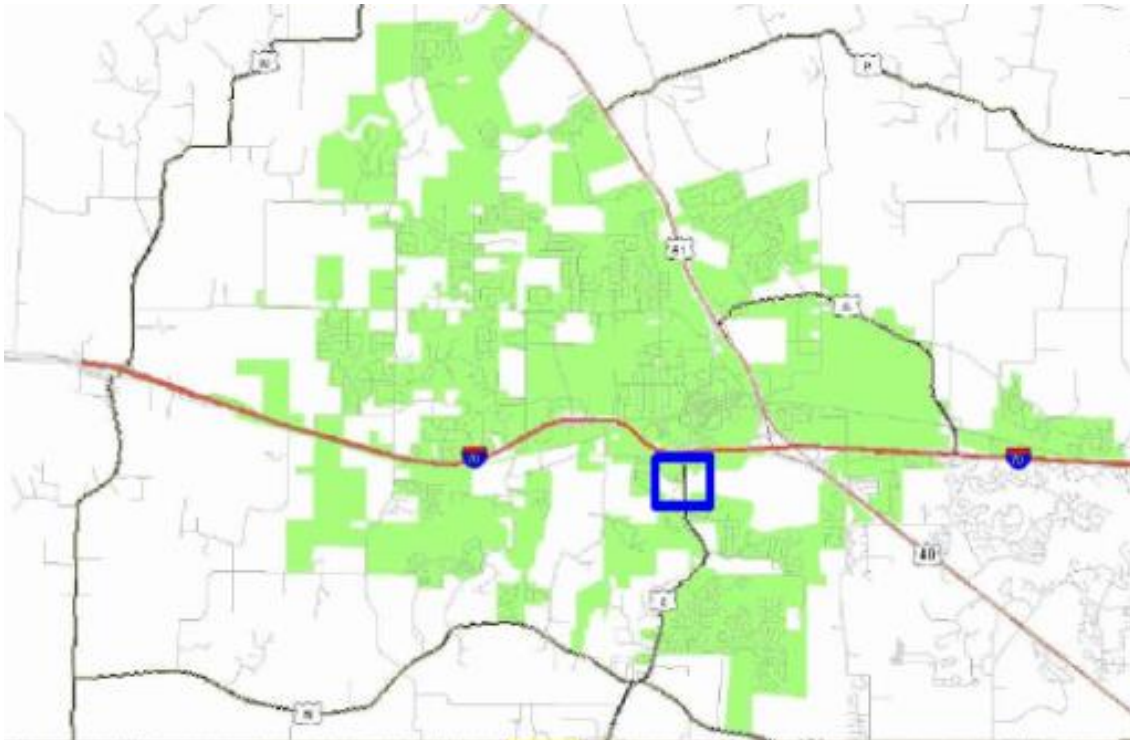
Federal CMAQ (46%) - \$1,200,000

**Description and Justification:** Route Z south of I-70 experiences significant delays and traffic queuing in the morning and evening rush hours, and improvements to the intersection of Route Z at Interstate Drive have been identified to help solve this situation. This project will increase capacity and decrease wait times at the intersection of Route Z and Interstate Drive through pavement widening to accommodate eastbound to northbound dual left-turn lanes, the addition of a dedicated right-turn lane from southbound Route Z to westbound Interstate Drive, and preparations for additional capacity improvements to Highway Z that will be completed through a separate project in 2024. Also associated with this project will be re-striping Route Z north of Interstate Drive to accommodate two through lanes between Interstate Drive and Interstate 70.

**Anticipated Benefit:** This project will result in reduced congestion and improved travel time for residents who use Highway Z and/or Interstate Drive.

FUNDING SCHEDULE						
Total	PRIOR	2023	2024	2025	2026	2027
\$2,632,433	\$432,433	\$2,200,000	-	-	-	-
St. Charles County	\$108,108	\$491,892	-	-	-	-
Federal CMAQ	\$216,216	\$983,784	-	-	-	-

# HIGHWAY Z AND INTERSTATE DRIVE INTERSECTION IMPROVEMENTS



# HIGHWAY Z AND INTERSTATE DRIVE RIGHT TURN LANE

**Fund:** Transportation

**Department:** Administration

**Location:** Northbound Route Z to Eastbound Interstate Dr.

**Project Cost:** \$227,591 | **Outside Funding:** \$160,000 | **City Cost:** \$67,591

Planning/Engineering - \$22,591

Pre-Construction - \$5,000

Construction - \$200,000

Federal CMAQ (70%) - \$160,000

**Description and Justification:** This project will construct a dedicated right to turn lane from northbound Route Z to eastbound Interstate Drive, which is intended to reduce congestion in the Route Z corridor and provide improved access for drivers needing to use Interstate Drive to reach Highway 64 via the Prospect Road Interchange. This project was originally planned as an independent project but will be constructed in conjunction with the Highway Z and Interstate Drive improvements in 2023. Completing these two projects together will be more efficient, resulting in a shorter construction period and lower costs.

**Anticipated Benefit:** Reduced congestion and improved travel time for residents headed north on Route Z into downtown Wentzville or heading east on Interstate Dr. to Highway 64.



## FUNDING SCHEDULE

Total	PRIOR	2023	2024	2025	2026	2027
\$227,591	\$27,591	\$200,000	-	-	-	-
Federal CMAQ	\$22,073	\$137,927	-	-	-	-

# WEST PEARCE BLVD. – MAY ROAD TO GOODFELLOW PAVEMENT REHABILITATION

**Fund:** Transportation

**Department:** Administration

**Location:** West Pearce Boulevard

**Project Cost:** \$1,538,200 | **Outside Funding:** \$1,120,000 | **City Cost:** \$418,200  
 Pre-Construction - \$138,200  
 Construction - \$1,400,000  
 Federal STP (73%) - \$1,120,000

**Description:** This project involves pavement resurfacing that includes pavement repairs, a two-inch mill and overlay of the existing roadway pavement along approximately 8,000 feet of West Pearce Boulevard, generally from May Road to Goodfellow. The schedule for this project is timed to follow and complement the recently completed David Hoekel Parkway/I-70 Interchange.

**Justification:** The existing roadway has deteriorated and is in need of surface maintenance. An asphalt mill and overlay will improve the condition and smoothness of the road surface and will extend the serviceable life of the roadway.

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



FUNDING SCHEDULE						
Total	PRIOR	2023	2024	2025	2026	2027
\$1,538,200	\$138,202	\$1,400,000	-	-	-	-
Federal STP	\$110,562	\$1,009,438	-	-	-	-

# CITYWIDE FIBER PARTNERSHIP

**Fund:** Transportation

**Department:** Administration

**Project Cost:** \$500,000 | **Outside Funding:** \$500,000 | **City Cost:** \$-0-  
Federal American Rescue Plan Act - \$500,000

**Description and Justification:** The City plans to work with St. Charles County to share the cost to develop a fiber system that connects all City facilities. The City fiber network of approximately 22 miles is proposed to interconnect all City buildings, City Parks, the Wastewater Treatment Plant, and Water Towers with a means of communications and data. This network would also share interconnectivity with the County's existing Gateway Green Light fiber network serving our traffic signals.

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

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$500,000	\$500,000	-	-	-	-
Federal ARPA	\$500,000	-	-	-	-



# PEINE ROAD SAFETY IMPROVEMENTS

**Fund:** Transportation

**Department:** Administration

**Location:** Peine Road from Somerset Manor Drive to Highway 61

**Project Cost:** \$3,122,453 | **Outside Funding:** \$2,250,000 | **City Cost:** \$872,453

Planning/Engineering - \$322,453

Pre-Construction - \$600,000

Construction - \$2,200,000

St. Charles County (32%) - \$1,000,000

Federal STP (40%) - \$1,250,000

**Description and Justification:** This project involves adding 3-foot 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	2023	2024	2025	2026	2027
\$3,122,453	\$322,453	\$600,000	\$2,200,000	-	-	-
St. Charles County	\$128,982	\$80,000	\$791,018	-	-	-
Federal STP	\$161,227	\$100,000	\$988,773	-	-	-

# HISTORIC DOWNTOWN REVITALIZATION

**Fund:** Transportation  
**Department:** Administration  
**Location:** Historic Downtown

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

**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.

**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	2023	2024	2025	2026	2027
\$3,000,000	\$4,350,000	\$500,000	\$1,000,000	\$500,000	\$1,000,000	-







# 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

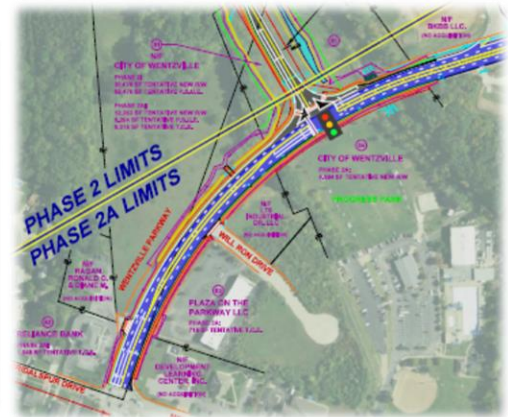
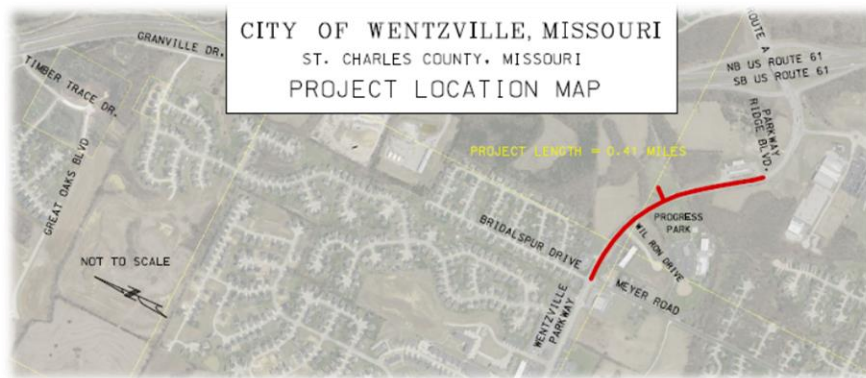
Construction (2024) - \$2,500,000

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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$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	-	-

# RAILROAD BRIDGE OVERPASS AT LUETKENHAUS BLVD.

**Fund:** Transportation  
**Department:** Administration  
**Location:** Luetkenhaus Blvd. south of Pearce Blvd.

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

**Description and Justification:** The City may have an opportunity to partner with Norfolk Southern Railroad as they are planning to replace the existing railroad overpass over Luetkenhaus Blvd. The width of this structure currently accommodates only the two lanes of Luetkenhaus Blvd. The City is interested in having the structure lengthened to provide more space for Luetkenhaus Blvd. and have the potential to add pedestrian facilities along Luetkenhaus Blvd. in the future. These funds are intended to help Norfolk Southern Railroad offset the cost of a longer bridge structure and/or provide visual enhancements to the new bridge.

**Anticipated Benefit:** The expanded Norfolk Southern railroad overpass would allow for pedestrian facilities to be installed. This would allow for another safe crossing of the railroad within the downtown corridor. Visual enhancements to the bridge could provide a more welcoming entry into downtown Wentzville.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$250,000	\$250,000	-	-	-	-

# WENTZVILLE PARKWAY SIDEWALK

**Fund:** Transportation

**Department:** Administration

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

**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	2023	2024	2025	2026	2027
\$677,495	\$74,495	\$3,000	\$600,000	-	-	-
Federal TAP	\$55,360	\$2,400	\$428,080	-	-	-

# WILMER ROAD SAFETY IMPROVEMENTS

**Fund:** Transportation

**Department:** Administration

**Location:** Wilmer Road (Interstate Drive to Peruque Creek)

**Project Cost:** \$3,400,000 | **Outside Funding:** \$2,400,000 | **City Cost:** \$680,000

Planning and Engineering (2023) - \$300,000

Pre-Construction (2025) - \$450,000

Construction (2026) - \$2,650,000

St. Charles County (80%) - \$2,720,000

**Description and Justification:** This project will add four-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 of the Wilmer Road corridor in anticipation of increased traffic volumes associated with continued residential growth in the area.



## FUNDING SCHEDULE

Total	2023	2024	2025	2026	2027
\$3,000,000	\$300,000	-	\$450,000	\$2,650,000	-
St. Charles County	\$240,000	-	\$360,000	\$2,120,000	-



# MEXICO ROAD SAFETY IMPROVEMENTS

**Fund:** Transportation

**Department:** Administration

**Location:** Mexico Rd. from Josephville Rd. to Midland Park Dr.

**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	2023	2024	2025	2026	2027
\$5,460,000	\$510,000	\$450,000	\$4,500,000	-	-
Federal STP	\$183,230	\$80,000	\$1,536,770	-	-
St. Charles County	\$259,875	\$232,000	\$2,068,125	-	-

# HIGHWAY N PHASE 2A AND 2B

**Fund:** Transportation

**Department:** Administration

**Location:** Highway N

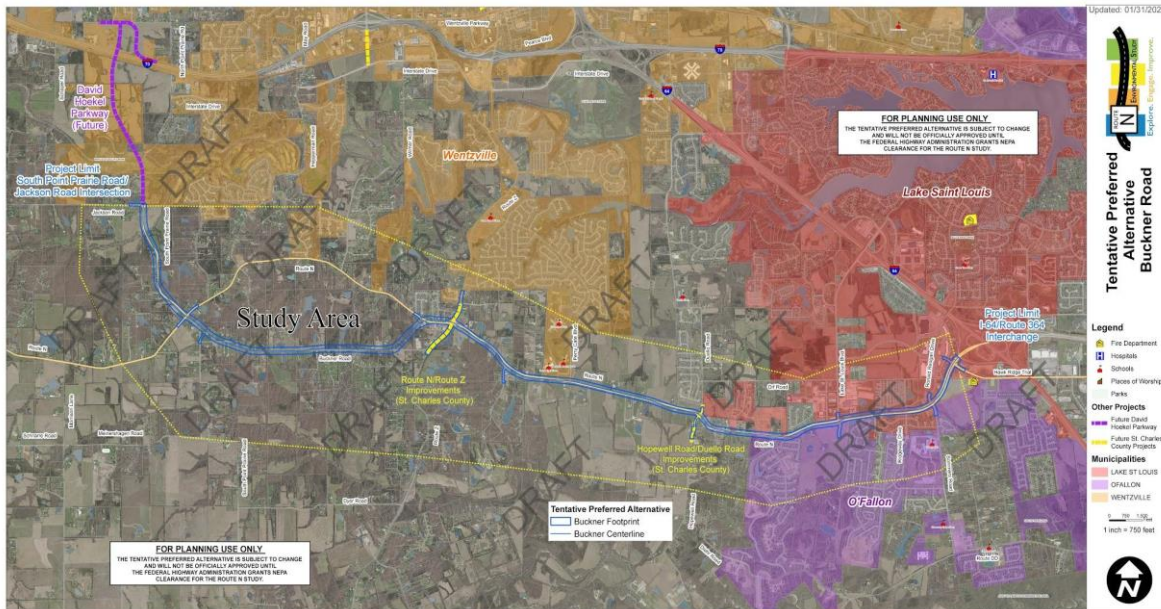
**Project Cost:** \$12,000,000 | **Outside Funding:** \$10,800,000 | **City Cost:** \$1,200,000

Phase 2A – St. Charles County (80%) - \$4,800,000

Phase 2B – 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 STP but funding is being set aside by St. Charles County for Phases 2A and 2B. St. Charles County has indicated they may seek up to 20% participation from Wentzville for design/construction of Phase 2A. Phase 2B is planned for 2024 and Phase 2A for 2026.

**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 – Phase 2A

Total	2023	2024 (Phase 2B)	2025	2026 (Phase 2A)	2027
\$12,000,000	-	\$6,000,000	-	\$6,000,000	-
St. Charles County	-	\$6,000,000	-	\$4,800,000	-

# NORTH POINT PRAIRIE ROAD STUDY

**Fund:** Transportation

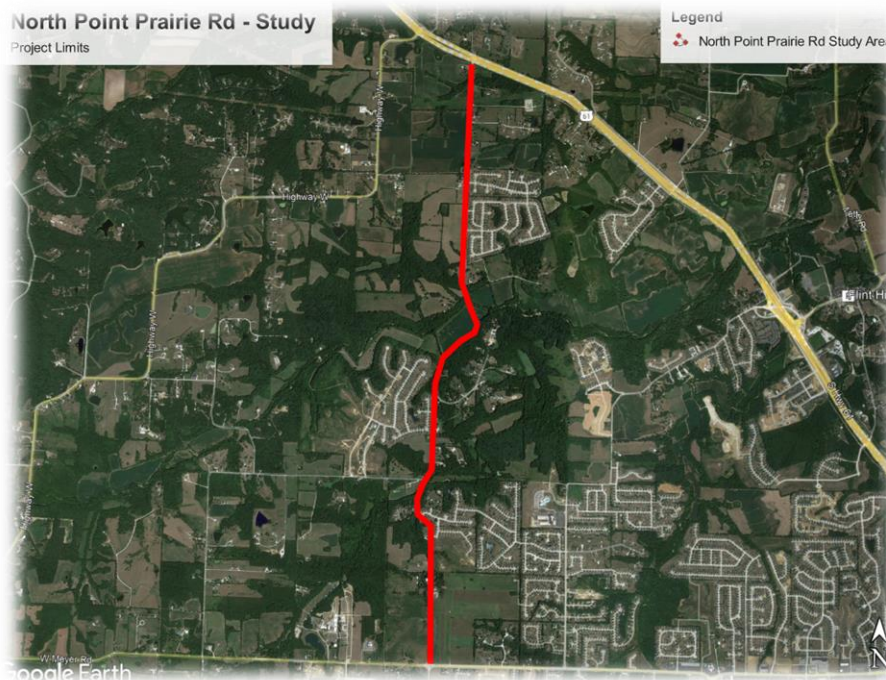
**Department:** Administration

**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 and future projections to develop conceptual plans that will help guide future improvements along North Point Prairie.

**Anticipated Benefit:** The study will provide an evaluation to 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	2023	2024	2025	2026	2027
\$400,000	-	\$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

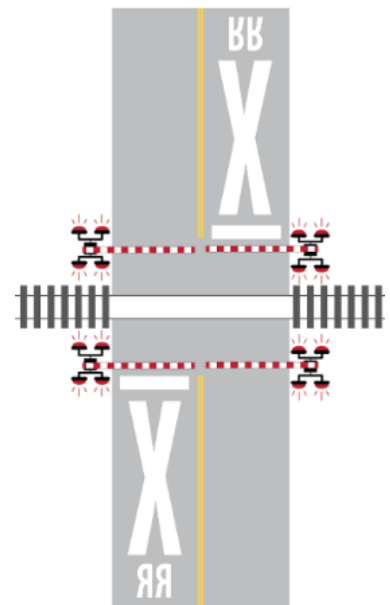
Pre-Construction - \$10,000

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 may be able to fund 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	2023	2024	2025	2026	2027
\$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:** \$9,288,200 | **Outside Funding:** \$8,305,560 | **City Cost:** \$982,640

Design - \$588,200

Pre-Construction - \$200,000

Construction - \$8,500,000

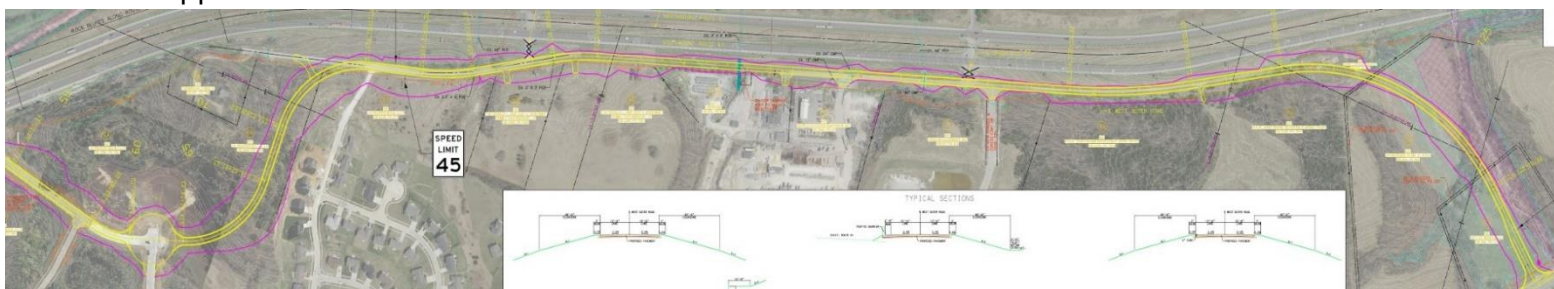
St. Charles County (80% of design to date) - \$430,560

St. Charles County (40% of planned project) - \$3,500,000

Federal STP (50% of planned project) - \$4,375,000

**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 plans to seek outside funding through both the St. Charles County Road Board and the Federal STP or State Cost Share grant program in 2023.

**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	2023	2024	2025	2026	2027
\$9,288,200	\$538,200	-	\$50,000	\$200,000	\$8,500,000	-
Federal STP	-	-	\$25,000	\$100,000	\$4,250,000	-
St. Charles County	\$430,560	-	\$20,000	\$80,000	\$3,400,000	-

# HIGHWAY 61 OUTER ROAD – PHASE 3

**Fund:** Transportation

**Department:** Administration

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

**Project Cost:** \$4,688,200 | **Outside Funding:** \$4,165,560 | **City Cost:** \$522,640

Design - \$588,200

Pre-Construction - \$100,000

Construction - \$4,000,000

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

St. Charles County (40% of planned project) - \$1,660,000

Federal STP (50% of planned project) - \$2,075,000

**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.

**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	2023	2024	2025	2026	2027
\$4,688,200	\$538,200	-	-	\$50,000	\$100,000	\$4,000,000
Federal STP	-	-	-	\$25,000	\$50,000	\$2,000,000
St. Charles County	\$430,560	-	-	\$20,000	\$40,000	\$1,600,000



# DAVID HOEKEL PARKWAY PHASE 3

**Fund:** Transportation

**Department:** Administration

**Location:** West Meyer Road to North Point Prairie

**Project Cost:** \$11,150,000 | **Outside Funding:** \$8,920,000 | **City Cost:** \$2,230,000

Planning and Engineering - \$750,000

Pre-Construction - \$400,000

Construction - \$10,000,000

St. Charles County (80%) - \$8,920,000

**Description and Justification:** This project will extend two lanes of David Hoekel Parkway north of West Meyer Road to North Point Prairie Drive, as envisioned in the City's Thoroughfare Plan. The extension of David Hoekel Parkway will relieve pressure on North Point Prairie Drive and Scotti Road as areas in northern Wentzville develop.

**Anticipated Benefit:** Construction of David Hoekel Parkway will provide a roadway that meets today's design standards that will more efficiently and more safely move traffic than the existing roadway network.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$11,150,000	-	-	\$750,000	\$400,000	\$10,000,000
St. Charles County	-	-	\$600,000	\$320,000	\$8,000,000

# QUARTZ CANYON/WILMER MEADOW CONNECTION

**Fund:** Transportation

**Department:** Administration

**Location:** Quartz Canyon Drive 900 feet south of Interstate Drive

**Project Cost:** \$2,500,000 | **Outside Funding:** \$1,250,000 | **City Cost:** \$1,250,000

Design - \$250,000

Pre-Construction (2028) - \$50,000

Construction (2029) - \$2,200,000

St. Charles County (50%) - \$1,250,000

**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 Hauk 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 (FY23-FY27)	2023	2024	2025	2026	2027
\$250,000	-	-	-	-	\$250,000
St. Charles County	-	-	-	-	\$125,000



# CONTRACTED STREET AND SIDEWALK MAINTENANCE – ASPHALT AND CONCRETE REPLACEMENT

**Fund:** Transportation

**Department:** Streets

**Location:** Citywide

**Project Cost:** \$17,900,000 | **Outside Funding:** \$-0- | **City Cost:** \$17,900,000  
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	2023	2024	2025	2026	2027
Total (FY23-FY27) \$17,900,000	\$3,200,000	\$4,000,000	\$3,400,000	\$3,400,000	\$3,500,000	\$3,600,000
St. Charles County	\$500,000	\$900,000	-	-	-	-

# SINGLE-AXLE ASPHALT PATCH TRUCK

**Fund:** Capital

**Department:** Transportation – Streets

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

**Description and Justification:** Replacement trucks that operate three to four days a week patching streets.

**Anticipated Benefit:** The anticipated benefit for the replacement of this equipment is increased reliability and reduction in maintenance and repair costs and the ability to address potholes proactively.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$200,000	\$200,000	-	-	-	-

# SINGLE-AXLE DUMP TRUCK WITH PLOW AND SPREADER

**Fund:** Transportation

**Department:** Transportation – Streets

**Project Cost:** \$370,000 | **Outside Funding:** \$-0- | **City Cost:** \$370,000

**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	2023	2024	2025	2026	2027
\$370,000	-	\$180,000	-	\$190,000	-



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

**Fund:** Transportation

**Department:** Transportation – Streets

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

**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	2023	2024	2025	2026	2027
\$220,000	-	-	-	\$220,000	-

# TRACK SKID LOADER

**Fund:** Capital

**Department:** Transportation – Streets

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

**Description and Justification:** Replace an outdated model of similar nature that has been in service for many years and exhibits considerable wear and tear. 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 situations of street work. These attachments exert enormous pressures/vibrations on the loader.

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

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$75,000	\$75,000	-	-	-	-

# 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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$180,000	-	-	-	-	\$180,000

# TRAFFIC SIGNAL DETECTION CAMERA/PED CROSSING UPDATES

**Fund:** Capital

**Department:** Transportation – Streets

**Project Cost:** \$176,000 | **Outside Funding:** \$-0- | **City Cost:** \$176,000

**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	2023	2024	2025	2026	2027
\$176,000	\$30,000	\$35,000	\$36,000	\$37,000	\$38,000



**Water**

# WATER

PROJECT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Water	2-MG Water Storage Tank with Water Main Improvements	860,000	7,900,000	-	-	-	8,760,000
Water	2-MG GM Ground Storage Tank Coating Interior	40,000	580,000	800,000	-	-	1,420,000
Water	Well #5 Improvements	-	10,000	100,000	-	-	110,000
Water	Coating Interior and Exterior of Tower #2	-	-	-	1,000,000	-	1,000,000
Water	In-House Waterline Interconnections	125,000	125,000	125,000	125,000	125,000	625,000
Water	Waterline Extensions and Replacement	2,825,000	625,000	-	-	-	3,450,000
Water	Large Diameter Pipe Contractor Repairs	100,000	100,000	100,000	100,000	100,000	500,000
<b>Water Funded Equipment:</b>							
Water	Ditch Witch Hydro Excavation Trailer	125,000	-	-	-	-	125,000
Water	Natural Gas Generators	20,000	-	-	-	-	20,000
Water	16' HDPE Fusion Box Trailer	13,000	-	-	-	-	13,000
Water	HDPE Butt Fusion Machine	-	120,000	-	-	-	120,000
Water	Portable Light Tower	-	8,800	-	-	-	8,800
Water	Hydrant Buddy Exerciser	-	6,000	-	-	-	6,000
Water	Mobile Generator and Light Tower	-	-	36,000	-	-	36,000
Water	Electro-Fusion Processor	-	-	-	12,000	-	12,000
Water	Hand-Operated Portable Valve Exerciser	-	-	-	-	13,000	13,000
Water	Ductile Iron Pipe Cutting Saw	-	-	-	-	12,000	12,000
Water	Metrotech vLoc/9800 Locator	13,000	-	13,000	-	13,000	39,000
Water	Large Diameter Valves	60,000	60,000	60,000	60,000	60,000	300,000
<b>TOTAL</b>		4,181,000	9,534,800	1,234,000	1,297,000	323,000	16,569,800

# WATER

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Water	3/4-Ton 4x4 Pickup Truck	36,000	40,000	42,000	44,000	92,000	254,000
Water	10k-100k Skid Generator	8,000	-	-	-	-	8,000
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	-	-	-	-	55,000	55,000
TOTAL		44,000	40,000	142,000	164,000	147,000	537,000

TOTAL PROJECTS AND EQUIPMENT						
	2023	2024	2025	2026	2027	Five Year Total
TOTAL	4,225,000	9,574,800	1,376,000	1,461,000	470,000	17,106,800

FUNDING SOURCE						
	2023	2024	2025	2026	2027	Five Year Total
Capital Fund	44,000	40,000	142,000	164,000	147,000	537,000
Water Fund	3,321,000	1,894,800	1,234,000	1,297,000	323,000	8,069,800
Federal American Rescue Plan Act	860,000	2,640,000	-	-	-	3,500,000
State American Rescue Plan Act	-	5,000,000	-	-	-	5,000,000
TOTAL	4,225,000	9,574,800	1,376,000	1,461,000	470,000	17,106,800



# 2-MG WATER STORAGE TANK WITH WATER MAIN IMPROVEMENTS

**Fund:** Water

**Department:** Water

**Location:** Interstate Drive/Wilmer Rd.

**Project Cost:** \$8,760,000 | **Outside Funding:** \$8,500,000 | **City Cost:** \$260,000

Design - \$860,000

Construction - \$7,900,000

Federal American Rescue Plan Act - \$3,500,000

State American Rescue Plan Act - \$5,000,000

**Description and Justification:** The construction of a new elevated spheroid water storage tank in order to provide the City with a cost effective and reliable water storage supply during peak demand months and 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. 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 both drinking water and fire protection and to keep up with commercial, industrial and residential growth demands.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$8,760,000	\$860,000	\$7,900,000	-	-	-
Federal ARPA	\$860,000	\$2,640,000	-	-	-
State ARPA	-	\$5,000,000	-	-	-

# 2-MG GM GROUND STORAGE TANK COATING INTERIOR

**Fund:** Water  
**Department:** Water  
**Location:** East Booster Station (Edinger Road)

**Project Cost:** \$1,420,000 | **Outside Funding:** \$-0- | **City Cost:** \$1,420,000

**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	2023	2024	2025	2026	2027
\$1,420,000	\$40,000	\$580,000	\$800,000	-	-

# 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	2023	2024	2025	2026	2027
\$110,000	-	\$10,000	\$100,000	-	-

# 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	2023	2024	2025	2026	2027
\$1,000,000	-	-	-	\$1,000,000	-

# IN-HOUSE WATERLINE INTERCONNECTIONS

**Fund:** Water  
**Department:** Water  
**Location:** City Wide

**Project Cost:** \$625,000 | **Outside Funding:** \$-0- | **City Cost:** \$625,000

**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	2023	2024	2025	2026	2027
\$625,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000

# WATERLINE EXTENSIONS AND REPLACEMENTS

**Fund:** Water

**Department:** Water

**Location:** City Wide

**Project Cost:** \$3,450,000 | **Outside Funding:** \$-0- | **City Cost:** \$3,450,000

PROJECT DESCRIPTION				
YEAR	LOCATION	SIZE (IN)	LENTH (FT)	COST (\$)
2023	Waterline Replacement Interstate Drive East	8/12	1,660	125,000
2023	Upsize DHP Ph II 8" to 12"	12	1,800	250,000
2023	Upsize Hwy A Corridor 8" to 16"	16	4,500	550,000
2024	E. Pearce Blvd. from Patricia to Schroeder Creek Blvd.	12	1,000	125,000
2023	Highway Z Casing Design and Construct	30	230	600,000
2023	Upsize Interstate Dr. Pinewoods to Meadowside 8" to 16"	16	250	300,000
2023	Highway 70/Railroad Casing	24	600	1,000,000
2024	William Dierberg Dr. from Schroeder Creek Blvd. to Wentzville Parkway	16	2,400	500,000

**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.

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

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$3,450,000	\$2,825,000	\$625,000	-	-	-



# 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	2023	2024	2025	2026	2027
\$500,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

# DITCH WITCH HYDRO EXCAVATION TRAILER

**Fund:** Water  
**Department:** Water

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

**Description and Justification:** A Ditch Witch HX-50 fluid excavator to replace the current trailer for fluid excavating tight spots, high profile utility areas, meter pits and valve boxes, etc. The HX-50 is also used for Daylighting utilities before excavating to ensure that other utilities are not disrupted during excavating.

**Anticipated Benefit:** A Ditch Witch HX-50 fluid excavator to expand equipment capability for the lead and copper inventory requirements.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$125,000	\$125,000	-	-	-	-



# 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	2023	2024	2025	2026	2027
\$20,000	\$20,000	-	-	-	-

# 16' HDPE FUSION BOX TRAILER

**Fund:** Water

**Department:** Water

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

**Description and Justification:** A 16-foot enclosed box trailer would safely transport and store the current 412 HDPE fusion machine and the anticipated new 618 fusion machine along with all of the parts and equipment that needs to be kept together with each machine. The existing smaller enclosed trailer will be repurposed for traffic control and other jobsite related safety equipment.

**Anticipated Benefit:** The 412 machine is currently in a trailer too small for it and all of its parts and equipment don't fit into the trailer with it. Having a bigger trailer would ensure all parts and equipment needed to fuse would be onsite eliminating the need for trips back to the shop during an emergency repair.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$13,000	\$13,000	-	-	-	-

# HDPE BUTT FUSION MACHINE

**Fund:** Water

**Department:** Water

**Project Cost:** \$120,000 | **Outside Funding:** \$-0- | **City Cost:** \$120,000

**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	2023	2024	2025	2026	2027
\$120,000	-	\$120,000	-	-	-

# PORTABLE LIGHT TOWER

**Fund:** Water

**Department:** Water

**Project Cost:** \$8,800 | **Outside Funding:** \$-0- | **City Cost:** \$8,800

**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 quicker 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	2023	2024	2025	2026	2027
\$8,800	-	\$8,800	-	-	-

# HYDRANT BUDDY EXERCISER

**Fund:** Water

**Department:** Water

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

**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 operatable 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	2023	2024	2025	2026	2027
\$6,000	-	\$6,000	-	-	-

# MOBILE GENERATOR AND LIGHT TOWER

**Fund:** Water  
**Department:** Water

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

**Description and Justification:** A towable generator/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 towable generator/light tower will provide safety to the crew and will also save time and money in quicker after dark repairs of the distribution system. Would also be available for other divisions to use in the event of emergencies.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$36,000	-	-	\$36,000	-	-

# ELECTRO-FUSION PROCESSOR

**Fund:** Water

**Department:** Water

**Location:** Citywide

**Project Cost:** \$12,000 | **Outside Funding:** \$-0- | **City Cost:** \$12,000

**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	2023	2024	2025	2026	2027
\$12,000	-	-	-	\$12,000	-

# HAND-OPERATED PORTABLE VALVE EXERCISER

**Fund:** Water

**Department:** Water

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

**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	2023	2024	2025	2026	2027
\$13,000	-	-	-	-	\$13,000

# DUCTILE IRON PIPE CUTTING SAW

**Fund:** Water

**Department:** Water

**Project Cost:** \$12,000 | **Outside Funding:** \$-0- | **City Cost:** \$12,000

**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	2023	2024	2025	2026	2027
\$12,000	-	-	-	-	\$12,000

# METROTECH VLOC/9800 LOCATOR

**Fund:** Water

**Department:** Water

**Location:** Citywide

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

**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	2023	2024	2025	2026	2027
\$39,000	\$13,000	-	\$13,000	-	\$13,000



# LARGE DIAMETER VALVES

**Fund:** Water

**Department:** Water

**Project Cost:** \$300,000 | **Outside Funding:** \$-0- | **City Cost:** \$300,000

**Description and Justification:** Large diameter InsertaValves 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	2023	2024	2025	2026	2027
\$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:** \$254,000 | **Outside Funding:** \$-0- | **City Cost:** \$254,000

**Description:** Purchase of a 3/4-ton 4x4 pickup truck used to heavy duty field operations.

**Justification:** 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	2023	2024	2025	2026	2027
\$254,000	\$36,000	\$40,000	\$42,000	\$44,000	\$92,000

# 10K-100K SKID GENERATOR

**Fund:** Capital

**Department:** Water

**Location:** Citywide

**Project Cost:** \$8,000 | **Outside Funding:** \$-0- | **City Cost:** \$8,000

**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	2023	2024	2025	2026	2027
\$8,000	\$8,000	-	-	-	-

# 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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$120,000	-	-	-	\$120,000	-

# 1/2-TON CREW CAB 4X4 PICKUP TRUCK

**Fund:** Capital  
**Department:** Water

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

**Description and Justification:** Purchase of a 1/2-ton 4x4 pickup truck 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	2023	2024	2025	2026	2027
\$55,000	-	-	-	-	\$55,000

**Wastewater**

# WASTEWATER

PROJECT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Wastewater	Biosolids Land Acquisition Payback	227,800	227,800	227,800	-	-	683,400
Wastewater	East Lift Station Replacement	1,000,000	-	-	-	-	1,000,000
Wastewater	Legion Lift Station	700,000	-	-	-	-	700,000
Wastewater	Norfolk and Southern Lift Station Replacement	600,000	-	-	-	-	600,000
Wastewater	Water Reclamation Center Storage Pad and Pedestrian Bridge	120,000	-	-	-	-	120,000
Wastewater	Gravity Sewer Upsizing Agreement – Sutton Farms	105,000	-	-	-	-	105,000
Wastewater	MSP Lift Station Replacement	425,000	3,675,000	-	-	-	4,100,000
Wastewater	Wet Weather Storage Basin	425,000	3,675,000	-	-	-	4,100,000
Wastewater	Shop Renovation and Equipment	30,000	30,000	-	-	-	60,000
Wastewater	Streambank Sewer Rehabilitation	125,000	125,000	125,000	125,000	125,000	625,000
Wastewater	Bypass Trunk Relief	-	200,000	2,100,000	-	-	2,300,000
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	15,000	18,000	12,500	8,500	8,500	62,500
<b>Wastewater Funded Equipment:</b>							
Wastewater	Lift Station Spare Pumps, VFDs and Replacement	100,000	120,000	121,000	100,000	150,000	591,000
Wastewater	Pump Controllers	70,000	-	-	-	-	70,000
Wastewater	Metrotech vLoc/9800 Locator	13,000	-	-	-	-	13,000
Wastewater	Camera Reel	7,000	-	-	-	-	7,000
Wastewater	Sewer Camera Trailer	-	170,000	-	-	-	170,000
Wastewater	Backhoe	-	-	-	-	170,000	170,000
<b>TOTAL</b>		3,962,800	8,240,800	3,336,300	533,500	2,153,500	18,226,900

# WASTEWATER

EQUIPMENT							
Department	Description	2023	2024	2025	2026	2027	Five Year Total
Wastewater	Skid Steer and Brush Hog	100,000	-	-	-	-	100,000
Wastewater	One-Ton 4x4 Service Pickup Truck	-	56,000	-	62,000	65,000	183,000
Wastewater	Mini-Excavator	-	-	100,000	-	-	100,000
Wastewater	Zero-Turn Mower	-	-	-	12,000	-	12,000
Wastewater	Crane Truck	-	-	-	-	165,000	165,000
Wastewater	One-Ton Dump Truck with Snow Plow and Spreader	-	-	-	-	100,000	100,000
Wastewater	Traffic Control/Emergency Response Trailer	-	-	-	-	16,000	16,000
Wastewater	1/2-Ton Crew Cab 4x4 Pickup Trucks	86,000	-	50,000	-	-	136,000
Wastewater	1/2-Ton Extended Cab 4x4 Pickup Trucks	-	-	-	-	41,000	41,000
TOTAL		186,000	56,000	150,000	74,000	387,000	853,000

TOTAL PROJECTS AND EQUIPMENT						
	2023	2024	2025	2026	2027	Five Year Total
TOTAL	4,148,800	8,296,800	3,486,300	607,500	2,540,500	19,079,900

FUNDING SOURCE						
	2023	2024	2025	2026	2027	Five Year Total
Capital Fund	186,000	56,000	150,000	74,000	387,000	853,000
Wastewater Fund	3,112,800	1,090,800	3,336,300	533,500	2,153,500	10,226,900
Federal American Rescue Plan Act Funding	850,000	2,150,000	-	-	-	3,000,000
State American Rescue Plan Act Funding	-	5,000,000	-	-	-	5,000,000
TOTAL	4,148,800	8,296,800	3,486,300	607,500	2,540,500	19,079,900



# 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	2023	2024	2025	2026	2027
\$2,442,377	\$1,758,977	\$227,800	\$227,800	\$227,800	-	-

# EAST LIFT STATION REPLACEMENT

**Fund:** Wastewater  
**Department:** Wastewater  
**Location:** 1520 E. Pitman Avenue

**Project Cost:** \$1,112,000 | **Outside Funding:** \$-0- | **City Cost:** \$1,112,000  
Planning/Engineering - \$112,000  
Construction - \$1,000,000

**Description:** This is a replacement of a 1977 lift station that runs inefficiently and has safety issues. Project will replace 45-year-old, dry-well lift station with submersible pumps and controls. The concrete wet well at this station is showing high deterioration from the hydrogen sulfide (H2S). The Engineering Division recommends replacement with the addition of an eight-hour retention tank.

**Justification:** The lift station will be replaced with the City Design Standard submersible pump lift station. This type of lift station is proposed for safety, uniformity, ease of maintenance and lift-cycle costs. This project may include public/private partnership opportunities.

**Anticipated Benefit:** More efficient system for pumping system, increased reliability and operation redundancies needed to ensure continuous operation of this lift station.



FUNDING SCHEDULE						
Total	PRIOR	2023	2024	2025	2026	2027
\$1,112,000	\$112,000	\$1,000,000	-	-	-	-

# 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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$600,000	\$600,000	-	-	-	

# WATER RECLAMATION CENTER STORAGE PAD AND PEDESTRIAN BRIDGE

**Fund:** Wastewater  
**Department:** Wastewater  
**Location:** Water Reclamation Center

**Project Cost:** \$120,000 | **Outside Funding:** \$-0- | **City Cost:** \$120,000

**Description and Justification:** Recent storm events have caused flood damage to Wastewater equipment at the Water Reclamation Center in areas previously understood to be above the area of potential flood impact. In effort to protect future equipment from flood damage a one-acre graveled storage pad is being proposed at a higher elevation. The pad will be secured using chain link fencing and gates. A pedestrian bridge will allow for access to aeration basins from clarifiers without need for personnel to enter flood waters. The City will pursue any eligible cost sharing available through FEMA to assist with project funding.

**Anticipated Benefit:** The storage pad will allow for wastewater equipment at the Water Reclamation Center to be stored at an elevation safe from potential flood impact during severe storm events to allow equipment to avoid flood damage and be utilized during emergency flood response operations. The pedestrian bridge will allow for continued safe operation of Water Reclamation Center without need to enter flood waters.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$120,000	\$120,000	-	-	-	

# GRAVITY SEWER UPSIZING AGREEMENT – SUTTON FARMS

**Fund:** Wastewater

**Department:** Wastewater

**Project Cost:** \$105,000 | **Outside Funding:** \$-0- | **City Cost:** \$105,000

**Description and Justification:** In November 2021, an agreement was signed by the Board of Aldermen to upsize a sanitary sewer line from 10-inch to 15-inch in order to meet the City's Wastewater Collections Master Plan and anticipated future growth.

**Anticipated Benefit:** The upsizing of this gravity main follows the City's Wastewater Collections Master Plan and will allow for anticipated future growth to utilize this sewer for gravity wastewater collection and eliminating the need for additional lift stations.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$105,000	\$105,000	-	-	-	-

# MSP LIFT STATION REPLACEMENT

**Fund:** Wastewater

**Department:** Wastewater

**Location:** 2455 Mette Rd.

**Project Cost:** \$4,100,000 | **Outside Funding:** \$4,000,000 | **City Cost:** \$100,000

Federal American Rescue Plan Act Funding - \$1,500,000

State American Rescue Plan Act Funding - \$2,500,000

**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 panel.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$4,100,000	\$425,000	\$3,675,000	-	-	-
Federal ARPA	\$425,000	\$1,075,000	-	-	-
State ARPA	-	\$2,500,000	-	-	-



# WET WEATHER STORAGE BASIN

**Fund:** Wastewater

**Department:** Wastewater

**Location:** Water Reclamation Center

**Project Cost:** \$4,100,000 | **Outside Funding:** \$4,000,000 | **City Cost:** \$1,600,000

Federal American Rescue Plan Act Funding - \$1,500,000

State American Rescue Plan Act Funding - \$2,500,000

**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.

**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	2023	2024	2025	2026	2027
\$4,100,000	\$425,000	\$3,675,000	-	-	-
Federal ARPA	\$425,000	\$1,075,000	-	-	-
State ARPA	-	\$2,500,000	-	-	-



# 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 inhouse.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$60,000	\$30,000	\$30,000	-	-	-

# STREAMBANK SEWER REHABILITATION

**Fund:** Wastewater

**Department:** Wastewater

**Project Cost:** \$625,000 | **Outside Funding:** \$-0- | **City Cost:** \$625,000

**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	2023	2024	2025	2026	2027
\$625,000	\$125,000	\$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	2023	2024	2025	2026	2027
\$2,300,000	-	\$200,000	\$2,100,000	-	-

# 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	2023	2024	2025	2026	2027
\$500,000	-	-	\$500,000	-	-



# ST. LUKES LIFT STATION

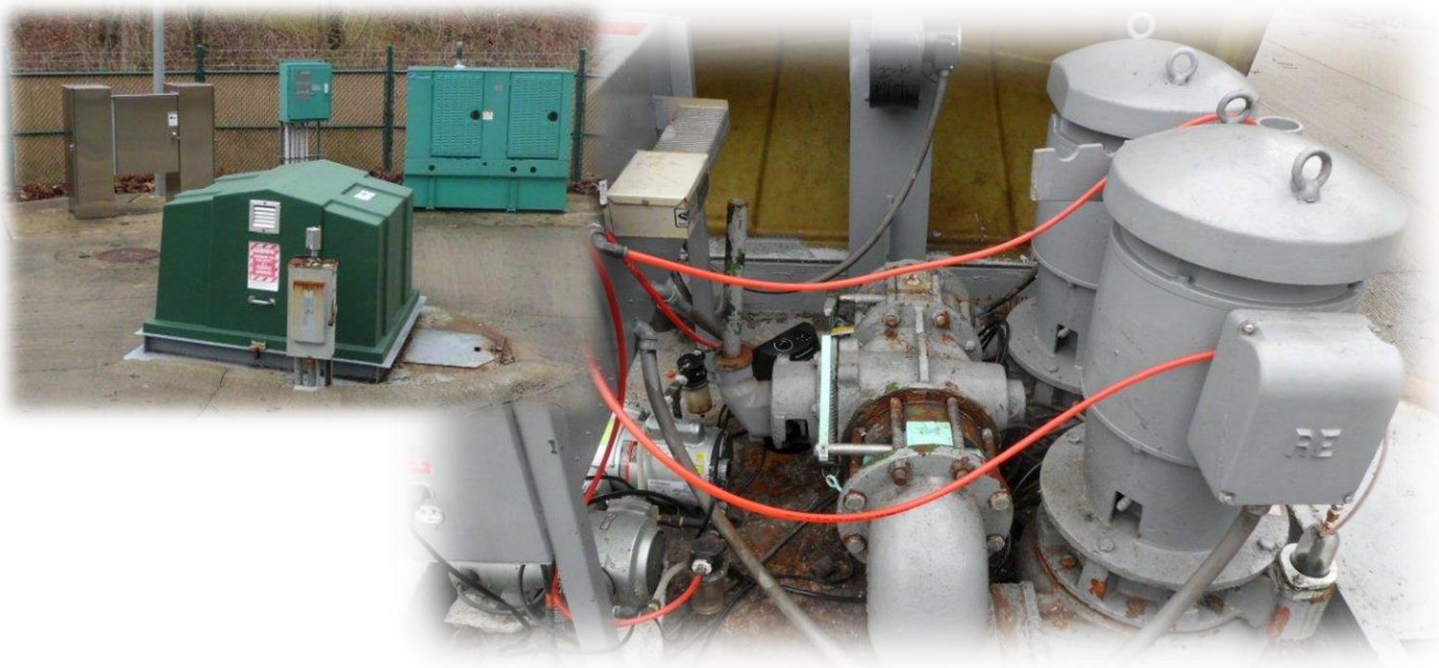
**Fund:** Wastewater  
**Department:** Wastewater  
**Location:** St. Luke’s Lift Station

**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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$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	2023	2024	2025	2026	2027
\$1,700,000	-	-	-	-	\$1,700,000



# HVAC UNITS

**Fund:** Wastewater

**Department:** Wastewater

**Location:** Water Reclamation Center

**Project Cost:** \$62,500 | **Outside Funding:** \$-0- | **City Cost:** \$62,500

**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	2023	2024	2025	2026	2027
\$62,500	\$15,000	\$18,000	\$12,500	\$8,500	\$8,500

# LIFT STATION SPARE PUMPS, VFDs & REPLACEMENT

**Fund:** Wastewater

**Department:** Wastewater

**Location:** Lift Stations Citywide

**Project Cost:** \$591,000 | **Outside Funding:** \$-0- | **City Cost:** \$591,000

**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	2023	2024	2025	2026	2027
\$591,000	\$100,000	\$120,000	\$121,000	\$100,000	\$150,000

# PUMP CONTROLLERS

**Fund:** Wastewater

**Department:** Wastewater

**Project Cost:** \$70,000 | **Outside Funding:** \$-0- | **City Cost:** \$70,000

**Description and Justification:** Upgrade PLC controllers from existing Motorola system at four lift stations. The Motorola system is obsolete by 15+ years and is failing. The goal is to do the four remaining stations this year.

**Anticipated Benefit:** These units offer more “up to date” technology that is easier for the operator to use and make changes which cuts down on the need for contractors to make these adjustments for staff.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$70,000	\$70,000	-	-	-	-

# METROTECH VLOC/9800 LOCATOR

**Fund:** Wastewater

**Department:** Wastewater

**Location:** Citywide

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

**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	2023	2024	2025	2026	2027
\$13,000	\$13,000	-	-	-	-

# CAMERA REEL

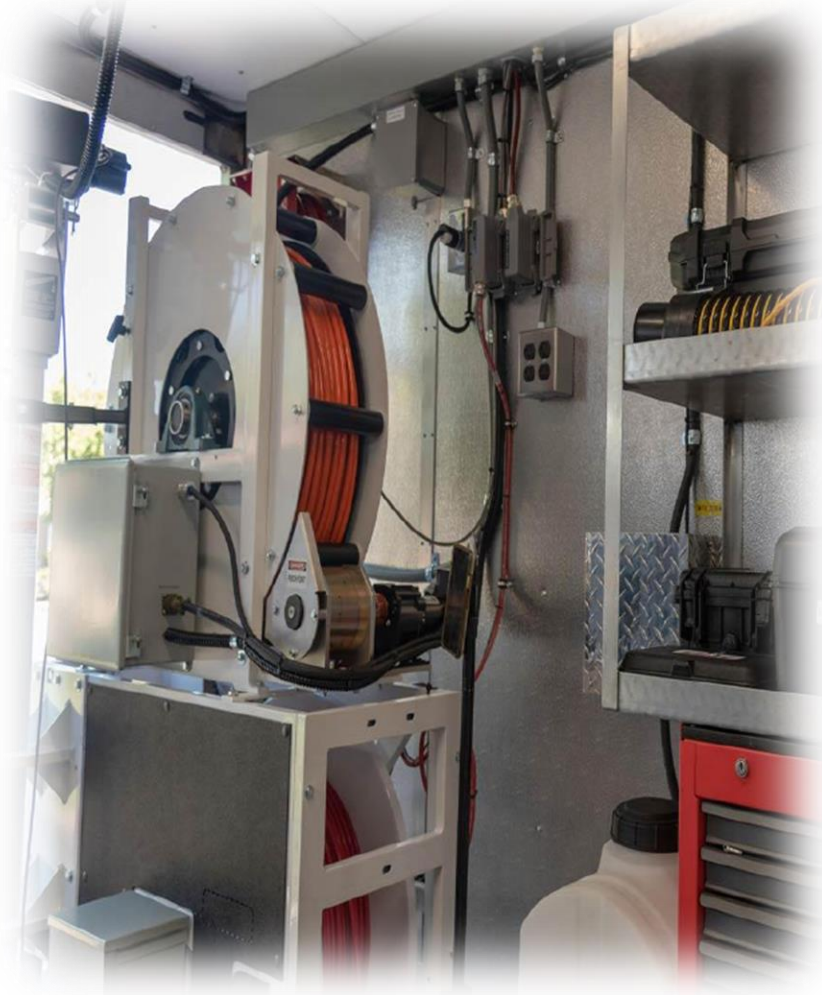
**Fund:** Wastewater

**Department:** Wastewater

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

**Description and Justification:** Replacement of the sewer camera cable and reel.

**Anticipated Benefit:** The replacement reel is needed to provide uninterrupted service in the event the current reel and cable is damaged.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$7,000	\$7,000	-	-	-	-

# SEWER CAMERA TRAILER

**Fund:** Capital

**Department:** Wastewater

**Project Cost:** \$170,000 | **Outside Funding:** \$-0- | **City Cost:** \$170,000

**Description and Justification:** Purchase a sewer camera transporter system trailer to replace an obsolete system purchased in 2016 that is near the end of its useful life.

**Anticipated Benefit:** The replacement will increase efficiency, productivity, safety, and reliability for the Wastewater Collection Division's sewer maintenance program.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$170,000	-	\$170,000	-	-	-

# 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.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$170,000	-	-	-	-	\$170,000

# SKID STEER AND BRUSH HOG

**Fund:** Capital

**Department:** Wastewater

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

**Description and Justification:** Purchase of skid steer and brush hog for sanitary sewer, manhole repair projects and easement maintenance.

**Anticipated Benefit:** Replacement of a 14-year-old skid steer to improve reliability, efficiency, productivity while also minimizing downtime and expensive repairs.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$100,000	\$100,000	-	-	-	-

# ONE-TON 4X4 SERVICE PICKUP TRUCK

**Fund:** Capital

**Department:** Wastewater

**Project Cost:** \$183,000 | **Outside Funding:** \$-0- | **City Cost:** \$183,000

**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	2023	2024	2025	2026	2027
\$183,000	-	\$56,000	-	\$62,000	\$65,000



# MINI-EXCAVATOR

**Fund:** Capital

**Department:** Wastewater

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

**Description and Justification:** Purchase of a replacement mini-excavator for sanitary sewer and manhole repair projects.

**Anticipated Benefit:** Allows the Wastewater Division to maintain the high level of repair service to Wentzville residents by having a reliable piece of equipment for projects and emergency repairs. The equipment improves reliability, efficiency and productivity by minimizing downtime and expensive repairs.



FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$100,000	-	-	\$100,000	-	-

# ZERO-TURN MOWER

**Fund:** Capital

**Department:** Wastewater

**Project Cost:** \$12,000 | **Outside Funding:** \$-0- | **City Cost:** \$12,000

**Description and Justification:** Purchase of a new replacement zero-turn mower for cutting grass at Reclamation Center and Lift Stations.

**Anticipated Benefit:** Allows the Wastewater Division to maintain the Reclamation Center and Lift Station grounds citywide.

FUNDING SCHEDULE					
Total	2023	2024	2025	2026	2027
\$12,000	-	-	-	\$12,000	

# CRANE TRUCK 4X4

**Fund:** Capital

**Department:** Wastewater

**Project Cost:** \$165,000 | **Outside Funding:** \$-0- | **City Cost:** \$165,000

**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	2023	2024	2025	2026	2027
\$165,000	-	-	-	-	\$165,000

# ONE-TON DUMP TRUCK WITH SNOW PLOW AND SPREADER

**Fund:** Capital

**Department:** Wastewater

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

**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	2023	2024	2025	2026	2027
\$100,000	-	-	-	-	\$100,000

# 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	2023	2024	2025	2026	2027
\$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	2023 (2)	2024	2025	2026	2027
\$136,000	\$86,000	-	\$50,000	-	-

FUNDING SCHEDULE – EXTENDED CAB					
Total	2023	2024	2025	2026	2027
\$41,000	-	-	-	-	\$41,000



**City of Wentzville**

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