

## LETTER OF INTRODUCTION FOR THE FIVE YEAR CAPITAL IMPROVEMENT PROGRAM

September 6, 2022

Honorable Mayor and Members of the Town Council,

Hereby submitted is the Five Year Capital Improvement Program (CIP) for the Town of Castle Rock, Colorado for the years 2023 through 2027. The 2023 Budget appropriates \$111,161,919 for Capital Improvement Program projects. The Funding Source information in the following pages is intended to identify the revenue that is planned to pay for the capital projects. While additional revenue is anticipated to be received each year, this information identifies only known sources of revenue at the time of development and what is necessary to fund the Capital Improvement Program.

The CIP summarizes all major capital expenditures to be made over the next five years. This budget contains a summary of revenue sources and CIP costs by fund and year in which the revenues and costs are anticipated. In order to be included in the CIP, the project must meet the following guidelines:

- Individual project costs are expected to be over \$25,000
- The resulting project has a useful life of more than one year
- The project results in the addition of a fixed asset, or extends the useful life of an existing asset or is a major software purchase
- The Town must have full ownership, or be a significant holder in a joint venture asset. For example, software that is licensed by the Town and owned by the vendor is not considered a capital asset of the Town.

During the preparation process, staff identified what would be necessary to meet existing levels of service to the community and which projects could reasonably be accomplished within each year, within the financial and staff limitations of the Town. Contractual obligations and/or needs were considered in setting the priorities.

Capital improvements are funded through a variety of sources including the use of reserves, impact fees, debt financing, grants, developer contributions, building use taxes and other operating revenues. All available current and future resources were considered when identifying funding sources for the identified capital improvements. For example, the estimated available reserve balance was calculated and shown as a funding source, as well as estimated impact fees, building use taxes, and other revenue sources. The CIP costs projected meet, but do not exceed, the limitations of those funding sources.

Sincerely,



David L. Corliss  
Town Manager

THIS PAGE IS A PLACE HOLDER FOR THE RESOLUTION  
APPROVING THE 2023-2027  
CAPITAL IMPROVEMENT PROGRAM

## 2023 - 2027 CAPITAL IMPROVEMENT PROGRAM SUMMARY - ALL FUNDS

### TOTAL CIP EXPENDITURES BY FUND AND YEAR

<b>Fund</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
General Fund	\$ 250,000	\$ 2,250,000	\$ -	\$ 800,000	\$ 500,000	\$ 3,800,000
General Long Term Planning	1,267,000	4,092,291	1,370,500	921,600	507,600	8,158,991
Transportation Fund	1,440,000	1,336,000	1,408,000	1,885,380	1,585,768	7,655,148
Transportation Capital Fund	21,640,900	16,600,300	21,400,000	11,864,000	10,665,000	82,170,200
Conservation Trust Fund	300,000	300,000	300,000	300,000	300,000	1,500,000
Parks and Rec Capital Fund	3,500,000	-	15,000,000	500,000	5,000,000	24,000,000
Water Fund	15,023,830	10,862,950	11,873,850	10,373,000	6,331,000	54,464,630
Water Resource Fund	50,820,546	21,966,130	27,998,770	32,621,250	61,023,750	194,430,446
Stormwater Fund	5,552,850	5,168,955	4,744,146	5,151,916	2,239,189	22,857,056
Wastewater Fund	7,124,690	4,327,470	4,409,930	3,575,500	3,275,000	22,712,590
Fleet Fund	3,587,103	2,887,295	2,791,631	3,114,447	2,945,570	15,326,046
Golf Fund	120,000	618,712	-	-	594,000	1,332,712
Community Center Fund	275,000	410,000	495,000	575,000	-	1,755,000
Fire Capital Fund	-	1,500,000	6,300,000	-	-	7,800,000
Lodging Tax Fund	210,000	-	-	-	-	210,000
Development Services Fund	50,000	-	-	-	-	50,000
<b>Total by Year</b>	<b>\$ 111,161,919</b>	<b>\$ 72,320,103</b>	<b>\$ 98,091,827</b>	<b>\$ 71,682,093</b>	<b>\$ 94,966,877</b>	<b>\$ 448,222,819</b>

### FUNDING SOURCE SUMMARY

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*

<b>Source</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Sales Tax	\$ 525,000	\$ 2,660,000	\$ 495,000	\$ 1,375,000	\$ 500,000	\$ 5,555,000
Residential Building Use Tax	1,902,000	1,339,800	1,241,700	1,471,100	620,600	6,575,200
Road and Bridge Tax	700,000	1,193,000	1,261,800	1,335,880	1,432,768	5,923,448
Colorado Lottery Funds	300,000	300,000	300,000	300,000	300,000	1,500,000
Interfund Loan	-	-	6,000,000	-	-	6,000,000
Impact Fees	25,140,900	18,100,300	36,700,000	12,364,000	15,665,000	107,970,200
Metered Water Sales	11,650,830	7,599,950	8,473,850	7,373,000	6,031,000	41,128,630
System Development Fees	41,923,999	19,970,453	22,272,617	26,435,701	37,859,353	148,462,123
Water Resources Fees	20,869,832	9,295,540	11,709,466	13,078,800	24,409,500	79,363,138
Stormwater Charges	952,565	1,132,092	2,160,833	1,258,665	1,294,086	6,798,241
Wastewater Service Charges	3,124,690	4,327,470	4,409,930	3,575,500	3,275,000	18,712,590
Vehicle Repl. Contributions	2,909,217	2,345,911	2,401,393	2,621,596	2,537,396	12,815,513
Vehicle Salvage	382,086	336,384	325,238	362,851	343,174	1,749,733
Transfers from Other Funds	295,800	205,000	65,000	130,000	65,000	760,800
Transfers In (Sales Tax)	105,000	2,895,491	275,000	-	40,000	3,315,491
Charges for Service	170,000	618,712	-	-	594,000	1,382,712
Lodging Tax	210,000	-	-	-	-	210,000
<b>Total by Year</b>	<b>\$ 111,161,919</b>	<b>\$ 72,320,103</b>	<b>\$ 98,091,827</b>	<b>\$ 71,682,093</b>	<b>\$ 94,966,877</b>	<b>\$ 448,222,819</b>

# 2023-2027 CAPITAL IMPROVEMENT PROGRAM

## TOWNWIDE

### SUMMARY OF ESTIMATED ONGOING OPERATING COSTS

#### BY FUND <sup>(1)</sup>

Department / Division	Project Name	2023	2024	2025	2026	2027
<b>Transportation Fund</b>						
	Traffic Signal Program	\$ 2,600	\$ 2,600	\$ 2,600	\$ 2,600	\$ 2,600
<b>Fire Capital Fund</b>						
	Station 156 Construction	-	-	-	2,500,000	2,500,000
<b>Water Fund</b>						
	Pump & Distribution System Upgrades	-	-	30,074	30,074	30,074
<b>Water Resources Fund</b>						
	WISE Project	-	-	-	5,200,000	5,200,000
	Chatfield Reallocation Project	270,000	270,000	270,000	270,000	270,000
	PCWPF Expansion	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000
	Castle Rock Reservoir	-	200,000	200,000	200,000	200,000
	Cherry Creek Basin Infrastructure	120,000	120,000	120,000	120,000	120,000
<b>Wastewater Fund</b>						
	PCWRA Projects	75,845	73,465	73,106	75,845	75,845
<b>Total Ongoing Operating Expenditures by Year</b>		<b>\$ 1,568,445</b>	<b>\$ 1,766,065</b>	<b>\$ 1,795,780</b>	<b>\$ 9,498,519</b>	<b>\$ 9,498,519</b>

**NOTE:** New vehicle additions to the fleet are incorporated and paid for in each individual department. Operating costs associated with a vehicle addition on average are \$986 for repair and maintenance and \$1,200 for fuel annually

(1) Existing Capital Improvement Programs included above reflect projects with known ongoing operating costs

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### GENERAL FUND

#### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Annual Trail Improvements	\$ 250,000	\$ 2,250,000	\$ -	\$ 800,000	\$ 500,000	\$ 3,800,000
<b>Total Expenditures by Year</b>	<b>\$ 250,000</b>	<b>\$ 2,250,000</b>	<b>\$ -</b>	<b>\$ 800,000</b>	<b>\$ 500,000</b>	<b>\$ 3,800,000</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Sales Tax	\$ 250,000	\$ 2,250,000	\$ -	\$ 800,000	\$ 500,000	\$ 3,800,000
<b>Total Funding Sources by Year</b>	<b>\$ 250,000</b>	<b>\$ 2,250,000</b>	<b>\$ -</b>	<b>\$ 800,000</b>	<b>\$ 500,000</b>	<b>\$ 3,800,000</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



Castle Rock Trail

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Annual Trail Improvements

Project Number: 75-14

Contact: Jeff Smullen, Assistant Director of Parks & Recreation

Department: Parks & Recreation Department

Category: Parks/Trails

Type: Replacement

Useful Life: 50 years

5 Year Historical Total \$ 8,636,895

2023-2027 Total 3,800,000

**CIP Project Total (2018-2027): \$ 12,436,895**

### Description and Justification

Annual trail improvements are funded by sales tax, a portion of which was enacted by voters to fund trail improvements throughout Castle Rock. As a result, the trails account receives an annual transfer from a portion of sales tax through the Town's Transportation Fund in addition to outside contributions, such as grant support when available. Public Works and the Parks and Recreation Department have worked to evaluate all potential projects and create a capital plan that addresses priorities for both sidewalks and trails.

2023: Ridgeline Open Space and Trails Bike Zone with technical features, ramps and jumps and construction documents for Macanta Open Space and Trails

2024: East Plum Creek Trailhead and parking at the Central Service Center

2024: Macanta and Cobblestone Open Space Trail Development

2026: Red Hawk Trail connections

2027: East Plum Creek Trailhead and parking southern portion (Montaine)

Expenditures	2023	2024	2025	2026	2027	Total
Construction Contracts	\$ 250,000	\$ 2,250,000	\$ -	\$ 800,000	\$ 500,000	\$ 3,800,000

<b>Total Expenditures</b>	<b>\$ 250,000</b>	<b>\$ 2,250,000</b>	<b>\$ -</b>	<b>\$ 800,000</b>	<b>\$ 500,000</b>	<b>\$ 3,800,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Sales Tax	\$ 250,000	\$ 2,250,000	\$ -	\$ 800,000	\$ 500,000	\$ 3,800,000

<b>Total Funding Sources</b>	<b>\$ 250,000</b>	<b>\$ 2,250,000</b>	<b>\$ -</b>	<b>\$ 800,000</b>	<b>\$ 500,000</b>	<b>\$ 3,800,000</b>
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### Operational Impact

Costs to maintain additional trails will be minimal and can be accommodated within current budgeted resources.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### GENERAL LONG TERM PLANNING FUND

#### TOWN MANAGER

#### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
<b><u>Police Department</u></b>						
Police Dept. Tyler Tech Records Software	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000
Police Dept. Radio Replacement	-	1,100,000	-	-	-	1,100,000
<b><u>Fire Department</u></b>						
Emergency Medical Services Equipment	-	295,491	-	-	-	295,491
Unmanned Aerial Vehicle Replacement	-	-	30,000	-	-	30,000
Thermal Imager Cameras (TIC)	105,000	-	-	-	-	105,000
Fire Dept. Radio Replacement	-	1,500,000	-	-	-	1,500,000
AED's and Stop the Bleed	-	-	275,000	-	40,000	315,000
<b><u>Parks Department</u></b>						
Synthetic Turf Replacement/Concrete	405,000	810,000	727,000	565,000	75,000	2,582,000
Security Cameras for Parks	100,000	100,000	100,000	100,000	100,000	500,000
<b><u>DoIT Department</u></b>						
Network Devices DoIT	532,000	286,800	238,500	256,600	292,600	1,606,500
<b>Total Expenditures by Year</b>	<b>\$ 1,267,000</b>	<b>\$ 4,092,291</b>	<b>\$ 1,370,500</b>	<b>\$ 921,600</b>	<b>\$ 507,600</b>	<b>\$ 8,158,991</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Residential Bldg Use Tax	\$ 1,162,000	\$ 1,196,800	\$ 1,095,500	\$ 921,600	\$ 467,600	\$ 4,843,500
Transfers In (Sales Tax)	105,000	2,895,491	275,000	-	40,000	3,315,491
<b>Total Funding Sources by Year</b>	<b>\$ 1,267,000</b>	<b>\$ 4,092,291</b>	<b>\$ 1,370,500</b>	<b>\$ 921,600</b>	<b>\$ 507,600</b>	<b>\$ 8,158,991</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



Public Safety Training Facility

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name Police Dept. Tyler Tech Records Software

Project Number:	70-43	5 Year Historical Total	\$	-
Contact:	Jack Cauley, Police Chief	2023-2027 Total		125,000
Department:	Police Department	<b>CIP Project Total (2018-2027):</b>	<b>\$</b>	<b>125,000</b>
Category:	Technology			
Type:	Replacement			
Useful Life:	10 Years			

### Description and Justification

In 2023, the Castle Rock Police Department seeks to upgrade its Records Unit computer software to New World Enterprise Records. Tyler Technologies provides the current software. The upgrade will provide increased function, more efficiency, and needed advances in the processes of merging reports, sending reports, tracking changes, and providing and protecting data. The changes in technology in the Records Unit help provide increased customer service to citizens, other agencies, and internal employees. The current estimate for this upgrade is \$125,000; however, this amount may change if additional features or costs are added or updated.

The upgrade to this software program is intended to help provide the fastest and best customer service to citizens' requested copies of reports, officers and staff needing reports sent to the court, detectives using the data for investigations, and assist in all other staff with needs to utilize the records information.

Since 2016 records requests have increased from 3,451 to 6,125 in 2020. The software upgrade will help to effectively manage the increase number and maintain the required short timeframe to complete the requests.

Expenditures	2023	2024	2025	2026	2027	Total
Computer Software	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000
<b>Total Expenditures</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 125,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Residential Bldg Use Tax	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000
<b>Total Funding Sources</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 125,000</b>

### Operational Impact

There is an increase in software maintenance expected, but amount at this time is unknown.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Police Dept. Radio Replacement

Project Number: 70-30

Contact: Tim Gorman, Police Commander

Department: Police Department

Category: Equipment

Type: Replacement

Useful Life: 10 Years

5 Year Historical Total \$ 153,363

2023-2027 Total 1,100,000

**CIP Project Total (2018-2027): \$ 1,253,363**

### Description and Justification

The Police Department requests to replace 173 radios and related equipment. Radios were last replaced in 2003 and need to be replaced because they are near end of life. Funds are being transferred into general long term planning fund from on 2022-2024 to pay for this radio replacement.

Expenditures	2023	2024	2025	2026	2027	Total
Equipment	\$ -	\$ 1,100,000	\$ -	\$ -	\$ -	\$ 1,100,000

<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ 1,100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,100,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Transfers In (Sales Tax)	\$ -	\$ 1,100,000	\$ -	\$ -	\$ -	\$ 1,100,000

<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 1,100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,100,000</b>
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### Operational Impact

Cost to run devices is built into the annual budget and the replacement of these devices on a regular basis will save money and maintain productivity by preventing critical failures.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name                                      Emergency Medical Services Equipment

Project Number:	70-30								
Contact:	Norris Croom, Fire Chief					5 Year Historical Total	\$	1,822,220	
Department:	Fire Department					2023-2027 Total		295,491	
Category:	Equipment					<b>CIP Project Total (2018-2027):</b>	<b>\$</b>	<b>2,117,711</b>	
Type:	Replacement								
Useful Life:	7-10 Years								

### Description and Justification

These requested items include Emergency Medical Services equipment required to provide emergency care. The cardiac monitors have a 10 year useful life, the prams have a 7 year useful life, as do the stair chairs. The prams and stair chairs are used on medic units, while the cardiac monitors are on both medic units and engines/aerials as part of the Advanced Life Support (ALS) system.

This aligns with Council established Strategic Priorities by ensuring outstanding public safety, it allows us to maintain our current level of service, and it addresses the community survey need of ensuring public safety.

<b>Expenditures</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Powered Ambulance Prams	\$ -	\$ 211,065	\$ -	\$ -	\$ -	\$ 211,065
Powered Stair Chairs	-	84,426	-	-	-	84,426
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ 295,491</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 295,491</b>

<b>Funding Sources</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Transfers In (Sales Tax)	\$ -	\$ 295,491	\$ -	\$ -	\$ -	\$ 295,491
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 295,491</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 295,491</b>

### Operational Impact

Cost to run devices is built into the annual budget and the replacement of these devices on a regular basis will save money and maintain productivity by preventing critical failures.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name Unmanned Aerial Vehicle Replacement

Project Number:	70-30	5 Year Historical Total	\$ 1,822,220
Contact:	Brian Dimock, Fire Marshal	2023-2027 Total	30,000
Department:	Fire Department	<b>CIP Project Total (2018-2027):</b>	<b>\$ 1,852,220</b>
Category:	Equipment		
Type:	Replacement		
Useful Life:	3 Years		

### Description and Justification

Since 2016, the fire department has been utilizing unmanned aerial vehicles (UAV's), better known as drones, for public safety. Current UAV's have been used to fly over fires to give another perspective of how the fire is moving, and to document investigation scenes for fire and law enforcement operations. UAV's are used for documentation of construction sites and inspections and there are numerous other purposes where UAV use is beneficial. This request is to allow older UAV's to be cycled to reserve status, and maintain all UAV's for their useful life. UAV's are regulated by the Federal Aviation Administration (FAA) as are the commercial pilots that fly them.

UAV's technology changes quickly. The market is very volatile with new products getting introduced every year or sooner, as well as new requirements set forth by the FAA. As quickly as the technology comes out, the FAA attempts to interface with these improvements and impose safety requirements. Some of these may have to be implemented on the current UAV's that we have.

This aligns with Council established Strategic Priorities by ensuring outstanding public safety. Keeping our UAV's up-to-date provides the ability to use this equipment to its fullest capabilities and reduce the possibility of a firefighter getting hurt on a fire or providing the ability to search large areas in a matter of minutes versus hours for a lost or injured citizen. Although this can currently be done, the manufacturers of these UAV's are also dropping support of the outdated UAV's to keep operating costs down and providing service to the newer models. By being able to purchase newer UAV's means that we are able to continue to provide the level of service that not only affects our external customers, but our internal as well when needed.

The only alternative to this is allow all the equipment that we have purchased to become completely obsolete and discontinue use when it is no longer supported by the manufacturer. The operational impact of this request if not approved is the potential reduction of providing the level of service to not only the community, but the other Town departments that utilize this service.

Expenditures	2023	2024	2025	2026	2027	Total
UAV Replacements	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ 30,000
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Residential Bldg Use Tax	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ 30,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>

### Operational Impact

Annual operating costs are already included in the annual budget under operating supplies.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name Thermal Imager Cameras (TIC)

Project Number:	70-30	5 Year Historical Total	\$ 1,822,220
Contact:	Jim Gile, Division Chief Logistics	2023-2027 Total	105,000
Department:	Fire Department	<b>CIP Project Total (2018-2027):</b>	<b>\$ 1,927,220</b>
Category:	Equipment		
Type:	Replacement		
Useful Life:	10 years		

### Description and Justification

Thermal Imaging Camera's (TIC's) are used by fire department personnel for many different uses. Some of these include, firefighting operations, search and rescue, gas leak detection, water flow detection and more. Currently the TIC's on each apparatus and medic unit are approaching 15 years of use. As such, they are becoming obsolete and difficult to repair. In addition the technology with the cameras has advanced, thus allowing for greater use, accuracy and reliability. Establishing a replacement fund and schedule for these will aid in the replacement of this necessary equipment.

Expenditures	2023	2024	2025	2026	2027	Total
Thermal Imager Camera's	\$ 105,000	\$ -	\$ -	\$ -	\$ -	105,000

<b>Total Expenditures</b>	<b>\$ 105,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>105,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Transfers In (Sales Tax)	\$ 105,000	\$ -	\$ -	\$ -	\$ -	105,000

<b>Total Funding Sources</b>	<b>\$ 105,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>105,000</b>
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### Operational Impact

Cost to run these devices is built into the annual budget and the replacement of these devices on a regular basis will save money and maintain productivity by preventing critical failures.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Fire Dept. Radio Replacement

Project Number: 70-30

Contact: Norris Croom, Fire Chief

Department: Fire Department

Category: Equipment

Type: Replacement

Useful Life: 10 Years

5 Year Historical Total \$ 1,822,220

2023-2027 Total 1,500,000

**CIP Project Total (2018-2027): \$ 3,322,220**

### Description and Justification

This project is planned to accommodate replacement of mobile and portable radios. As technology continues to advance, the life span of the Fire Department's radios has decreased from 15 years to 10 years. In order to ensure operational stability and continuity of systems, these radios need to be replaced all at one time as opposed to a phased process. This plan ensures that items such as radio batteries, carrying cases, microphones, cabling systems, and capabilities are maintained as opposed to having variations of each.

These are a key component in being able to provide service as we have to be able to communicate with dispatch as well as other units to be able to respond to calls.

This request aligns with Council established Strategic Priorities by ensuring outstanding public safety and allows the Fire department to maintain the current level of service.

These radios (approx. 200 total) are scheduled for replacement in 2024 at an estimated cost of \$1,500,000 and will be paid for by transfers in from the general fund.

Expenditures	2023	2024	2025	2026	2027	Total
Radio Replacement	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,500,000
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Transfers In (Sales Tax)	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,500,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>

### Operational Impact

Cost to run devices is built into the annual budget and the replacement of these devices on a regular basis will save money and maintain productivity by preventing critical failures.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### AED's and Stop the Bleed

Project Number: 70-30

Contact: Norris Croom, Fire Chief

Department: Fire Department

Category: Equipment

Type: Replacement

Useful Life: 10 Years

5 Year Historical Total \$ 1,822,220

2023-2027 Total 315,000

**CIP Project Total (2018-2027): \$ 2,137,220**

### Description and Justification

These requested items include all Town Automated External Defibrillators (AED) in facilities and vehicles to provide emergency care. These have a 10 year useful life, and are part of our community AED program. While budgeted in the fire and rescue department budget, these are for all departments across the town. This also includes replacement of Stop the Bleed kits that need to be replaced every 5 years.

This aligns with Council established Strategic Priorities by ensuring outstanding public safety, it allows us to maintain our current level of service, and it addresses the community survey need of ensuring public safety.

Expenditures	2023	2024	2025	2026	2027	Total
Automated External Defibrillators	\$ -	\$ -	\$ 275,000	\$ -	\$ -	\$ 275,000
Stop the Bleed Kits	-	-	-	-	40,000	40,000
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 275,000</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ 315,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Transfers In (Sales Tax)	\$ -	\$ -	\$ 275,000	\$ -	\$ 40,000	\$ 315,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 275,000</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ 315,000</b>

### Operational Impact

Cost to run devices is built into the annual budget and the replacement of these devices on a regular basis will save money and maintain productivity by preventing critical failures.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Synthetic Turf Replacement/Concrete

Project Number: 78-47

Contact: Jeff Smullen, Assistant Director of Parks & Recreation

5 Year Historical Total \$ 1,094,000

Department: Parks & Recreation Department

2023-2027 Total 2,582,000

Category: Parks/Trails

CIP Project Total (2018-2027): \$ 3,676,000

Type: Replacement

Useful Life: 10 Years

### Description and Justification

The Parks and Recreation Department requests funding for synthetic turf replacement / concrete repair and replacement at the following locations:

- 2023 for Matney Park (Synthetic turf) | Native Legend Open Space Trail (Concrete)
- 2024 for Rhyolite Regional Park and MAC Indoor turf (Synthetic turf) | Woodlands Loop asphalt to concrete replacement (Concrete)
- 2025 for Bison Park (Synthetic turf) | Placeholder for safety repairs (Concrete)
- 2026 for Phillip S. Miller Park (Synthetic turf) | Placeholder for safety repairs (Concrete)
- 2027 for PSM Fitness Course (Synthetic turf) | Placeholder for safety repairs (Concrete)

Town staff is working with the Douglas County School District on possible funding for Bison Park in 2025. Turf on field sites is nearing the end of the expected life and will need to be replaced in order to maintain proper safety levels, and to maintain the functional and aesthetic quality of these parks. Synthetic turf surfaces are regularly evaluated for safety and actual project timing may change based on this ongoing evaluation.

Expenditures	2023	2024	2025	2026	2027	Total
Turf Replacement	\$ 305,000	\$ 625,000	\$ 652,000	\$ 490,000	\$ -	\$ 2,072,000
Concrete Replacement	100,000	185,000	75,000	75,000	75,000	510,000
<b>Total Expenditures</b>	<b>\$ 405,000</b>	<b>\$ 810,000</b>	<b>\$ 727,000</b>	<b>\$ 565,000</b>	<b>\$ 75,000</b>	<b>\$ 2,582,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Residential Bldg Use Tax	\$ 405,000	\$ 810,000	\$ 727,000	\$ 565,000	\$ 75,000	\$ 2,582,000
<b>Total Funding Sources</b>	<b>\$ 405,000</b>	<b>\$ 810,000</b>	<b>\$ 727,000</b>	<b>\$ 565,000</b>	<b>\$ 75,000</b>	<b>\$ 2,582,000</b>

### Operational Impact

Regular replacement of turf and concrete maintains levels of service and improves the look, functionality, and safety of these locations.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Security Cameras for Parks

Project Number: 78-47

Contact: Jeff Brauer, Director of Parks and Recreation

Department: Parks & Recreation Department

Category: Parks/Trails

Type: Replacement

Useful Life: 10 Years

5 Year Historical Total \$ 110,000

2023-2027 Total 500,000

**CIP Project Total (2018-2027): \$ 610,000**

### Description and Justification

Security cameras are requested at all Town owned parks for safety and vandalism awareness with Town staff collaborating to determine an annual priority list. Money is requested annually until all parks are able to be completed. The costs for security cameras at each location varies greatly due to the number of cameras, trenching and infrastructure needed.

Expenditures	2023	2024	2025	2026	2027	Total
Security Cameras	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

<b>Total Expenditures</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 500,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Residential Bldg Use Tax	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

<b>Total Funding Sources</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 500,000</b>
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### Operational Impact

Security Cameras allows for parks to be better monitored to prevent and discourage vandalism and crime. Cost to maintain cameras are not yet known.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Network Devices DoIT

Project Number: 76-80

Contact: Jennifer Jaeger, Chief Technology Officer

Department: Division of Innovation and Technology

Category: Technology

Type: Replacement

Useful Life: 5 Years

5 Year Historical Total \$ 702,602

2023-2027 Total 1,606,500

**CIP Project Total (2018-2027): \$ 2,309,102**

### Description and Justification

This project will replace a portion of networking and wireless devices including any that are five years or older. Network devices are an essential requirement to deliver data between computers and servers. If a network device fails, data cannot be delivered, and employee productivity is greatly reduced. These devices also provide Wi-Fi in all facilities, video upload for the in-car and body cameras for the Police Department, and connectivity to remote locations (swimming pools, Red Hawk). Maintaining these devices is very important for daily work of almost every Town employee. The Town is no longer able to buy support for some devices, and the likelihood of failure increases with age. Proactive replacement of the devices will avoid excessive downtime from an unscheduled failure while allowing staff to find and buy the best replacement option. Network devices cost are expected to grow at an average annual rate of 16 percent and are budgeted below accordingly.

Expenditures	2023	2024	2025	2026	2027	Total
Network Devices	\$ 532,000	\$ 286,800	\$ 238,500	\$ 256,600	\$ 292,600	\$ 1,606,500

<b>Total Expenditures</b>	<b>\$ 532,000</b>	<b>\$ 286,800</b>	<b>\$ 238,500</b>	<b>\$ 256,600</b>	<b>\$ 292,600</b>	<b>\$ 1,606,500</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Residential Bldg Use Tax	\$ 532,000	\$ 286,800	\$ 238,500	\$ 256,600	\$ 292,600	\$ 1,606,500

<b>Total Funding Sources</b>	<b>\$ 532,000</b>	<b>\$ 286,800</b>	<b>\$ 238,500</b>	<b>\$ 256,600</b>	<b>\$ 292,600</b>	<b>\$ 1,606,500</b>
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### Operational Impact

Cost to run devices is built into the annual budget and the replacement of these devices on a regular basis will save money and maintain productivity by preventing critical failures.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### TRANSPORTATION FUND

#### PUBLIC WORKS DEPARTMENT

#### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Miscellaneous Projects & Studies	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000
Traffic Safety Improvements	500,000	515,000	531,000	547,000	580,000	2,673,000
Traffic Signal Program	50,000	528,000	580,800	638,880	702,768	2,500,448
Neighborhood Traffic Calming	25,000	25,000	25,000	25,000	25,000	125,000
Development Related Projects	50,000	50,000	50,000	50,000	50,000	250,000
ADA Ramps	80,000	80,000	80,000	80,000	80,000	400,000
Illuminated Street Name Signs	60,000	63,000	66,200	69,500	73,000	331,700
Park St & Wolfensberger Rd Intersection	600,000	-	-	-	-	600,000
Salt Shed Expansion	-	-	-	400,000	-	400,000
<b>Total Expenditures by Year</b>	<b>\$ 1,440,000</b>	<b>\$ 1,336,000</b>	<b>\$ 1,408,000</b>	<b>\$ 1,885,380</b>	<b>\$ 1,585,768</b>	<b>\$ 7,655,148</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Road and Bridge Tax	\$ 700,000	\$ 1,193,000	\$ 1,261,800	\$ 1,335,880	\$ 1,432,768	\$ 5,923,448
Residential Building Use Tax	740,000	143,000	146,200	549,500	153,000	1,731,700
<b>Total Funding Sources by Year</b>	<b>\$ 1,440,000</b>	<b>\$ 1,336,000</b>	<b>\$ 1,408,000</b>	<b>\$ 1,885,380</b>	<b>\$ 1,585,768</b>	<b>\$ 7,655,148</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Miscellaneous Projects & Studies

Project Number: 75-24

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: New

Useful Life: Variable

5 Year Historical Total \$ 227,913

2023-2027 Total 375,000

**CIP Project Total (2018-2027): \$ 602,913**

### Description and Justification

Small projects and studies are typically identified during the year that are currently unknown. Projects typically arise that were not accounted for or specifically identified in the annual budget process. The purpose of this miscellaneous projects account is to have funding available when minor unexpected road projects need to be funded and constructed. The ability to immediately implement small projects as they are identified provides for the best customer service for the public and maintains a level of service expected and provided by the Town. This project also helps to address increases in traffic and congestion, which has been identified as an area of concern in past Community Surveys.

### Expenditures

	2023	2024	2025	2026	2027	Total
Design/Engineering/Construction	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000
<b>Total Expenditures</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 375,000</b>

### Funding Sources

	2023	2024	2025	2026	2027	Total
Road and Bridge Tax	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000
<b>Total Funding Sources</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 375,000</b>

### Operational Impact

Operational impacts are typically minimal as these small improvements to existing infrastructure fall under existing maintenance operations budgets.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Traffic Safety Improvements

Project Number: 75-25

Contact: Jacob Vargish, TPTE Manager

Department: Public Works Department

Category: Infrastructure

Type: Repair

Useful Life: Variable

5 Year Historical Total \$ 1,345,754

2023-2027 Total 2,673,000

**CIP Project Total (2018-2027): \$ 4,018,754**

### Description and Justification

This budget request is to increase the amount of funds available in the Traffic Safety Improvements account in 2023 to the amount of \$500,000 for pooled safety improvement projects. This includes a 3% increase each year for inflation of material and labor costs. In recent years, staff have used this account to purchase rectangular rapid flashing beacon equipment (RRFB) to be installed at locations requested by citizens or identified by the Town, and evaluated and prioritized by staff. Citizens have shown appreciation for these crossing devices and more locations have been requested each year. The current \$100,000 budget allows for purchasing approximately four locations for equipment and installing RRFBs, and does not have additional funds for other Town safety projects. In 2021, Town staff produced the biannual Crash Report which identifies the least safe intersections both signalized and un-signalized. From this report, staff began further analyzing these locations to determine the most effective safety improvement countermeasures that can be implemented to decrease accidents and improve safety. These safety countermeasures include projects such as the installation of medians for access control, raised crosswalks for speed management, pedestrian refuges in conjunction with RRFBs and the implementation of sidewalks in the vicinity of schools. These funds would also be used to fund safety improvements identified in the TMP, the Downtown Mobility Master Plan, and the Downtown ADA Transition Plan for pedestrian and bicycle linkage and safety. Some of the countermeasures identified require concrete work which is very costly and outside of the current approved Traffic Safety Improvement budget.

This budget request will enable Town staff to make safety and accessibility improvements Town wide at priority locations that are most likely to increase safety to all modes of travel. This will increase mobility and LOS by reducing the potential of having property damage and injury crashes, and provide access to currently sub-standard corridors. This fund will continue to be used to fund our annual RRFB program of four locations, and the increase in budget will enable us to make immediate and planned safety and mobility improvements. Projects for 2023 include implementing safety improvements at our highest crash non-signalized intersections, implementing pedestrian refuges at some RRFB locations, filling gaps in missing sidewalk segments and bicycle routes, implementing speed management countermeasures such as raised crosswalks, speed humps, and curb extensions, adding new street and pedestrian lighting in areas that are needed during nighttime hours, and implementing other safety projects in 2023 PMP areas.

Expenditures	2023	2024	2025	2026	2027	Total
Construction	\$ 500,000	\$ 515,000	\$ 531,000	\$ 547,000	\$ 580,000	\$ 2,673,000

<b>Total Expenditures</b>	<b>\$ 500,000</b>	<b>\$ 515,000</b>	<b>\$ 531,000</b>	<b>\$ 547,000</b>	<b>\$ 580,000</b>	<b>\$ 2,673,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Road and Bridge Tax	\$ 500,000	\$ 515,000	\$ 531,000	\$ 547,000	\$ 580,000	\$ 2,673,000

<b>Total Funding Sources</b>	<b>\$ 500,000</b>	<b>\$ 515,000</b>	<b>\$ 531,000</b>	<b>\$ 547,000</b>	<b>\$ 580,000</b>	<b>\$ 2,673,000</b>
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### Operational Impact

Operational impacts are typically minimal as these small improvements to existing infrastructure fall under existing maintenance operations budgets.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Traffic Signal Program

Project Number: 75-26

Contact: Jacob Vargish, TPTM Division Manager

Department: Public Works Department

Category: Infrastructure

Type: New

Useful Life: 15-20 Years

5 Year Historical Total \$ 3,596,203

2023-2027 Total 2,500,448

**CIP Project Total (2018-2027): \$ 6,096,651**

### Description and Justification

This program is utilized to construct new traffic signals identified through engineering evaluations, and perform signal system changes recommended in the comprehensive townwide system analysis. For 2023, it is anticipated that no new traffic signal will be needed. The projected cost for construction per intersection in 2023 is \$480,000. This is an average of the construction costs over the past four years with a expected continuation of a 10 percent price increase per year. In the past three years, cost per intersection has increased 16-30 percent due to other infrastructure, steel signal poles, and an overall increase in construction costs and labor rates. For years 2024 through 2026, signal projects will be selected based on trends, professional judgment, and locations identified by engineering evaluations. One signal is anticipated in 2024-2027. A 10 percent increase in cost from one year to the next has been applied to the projected construction in 2024 through 2027. This increase is based on growth in signal construction costs in past years.

This budget request also funds construction of new traffic signal infrastructure. Town staff have identified a safety issue at the intersection of Meadows Pkwy and Limelight Ave. There have been a high number of rear end crashes in the westbound direction due to sun glare. There is an opportunity to implement an advance queue warning system downstream of the westbound approach. This project is estimated to cost \$50,000 which includes boring, pull boxes, wiring, flashing beacons, and poles.

Expenditures	2023	2024	2025	2026	2027	Total
Construction/Engineering	\$ 50,000	\$ 528,000	\$ 580,800	\$ 638,880	\$ 702,768	\$ 2,500,448

<b>Total Expenditures</b>	<b>\$ 50,000</b>	<b>\$ 528,000</b>	<b>\$ 580,800</b>	<b>\$ 638,880</b>	<b>\$ 702,768</b>	<b>\$ 2,500,448</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Road and Bridge Tax	\$ 50,000	\$ 528,000	\$ 580,800	\$ 638,880	\$ 702,768	\$ 2,500,448

<b>Total Funding Sources</b>	<b>\$ 50,000</b>	<b>\$ 528,000</b>	<b>\$ 580,800</b>	<b>\$ 638,880</b>	<b>\$ 702,768</b>	<b>\$ 2,500,448</b>
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### Operational Impact

The department currently contracts out some of the maintenance of traffic signal equipment but only on an as needed basis to supplement in-house capabilities. In addition, electricity cost increases are expected with new signal installation. The average electricity and maintenance cost per signal is \$2,600 per year and is included in electricity costs within the Transportation Fund.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Neighborhood Traffic Calming

Project Number: 75-28

Contact: Ryan Germeroth, Assistant Public Works Director

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: Variable

5 Year Historical Total \$ 98,967

2023-2027 Total 125,000

**CIP Project Total (2018-2027): \$ 223,967**

### Description and Justification

These projects are identified through the Town's Neighborhood Traffic Calming Program. This program encourages cars to adhere to the posted speed limit or reduce the amount of cut-through traffic on residential streets. Projects are identified through the current policy approved by Town Council and administered by staff. These projects are typically developed during the year as requested by residents and certain criteria are met. Examples include the installation of speed cushions on residential streets. This project helps to address the community priority of a safe and reliable transportation system.

Expenditures	2023	2024	2025	2026	2027	Total
Construction/Engineering	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000

<b>Total Expenditures</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 125,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Road and Bridge Tax	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000

<b>Total Funding Sources</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 125,000</b>
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### Operational Impact

The impact to operations is minor as these projects are small in scope and fairly infrequent. Speed cushions are constructed with asphalt material that is attached to existing asphalt, which can be maintained within existing operations just as the asphalt surface below.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Development Related Projects

Project Number: 75-32

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: New

Useful Life: Variable

5 Year Historical Total \$ 223,485

2023-2027 Total 250,000

**CIP Project Total (2018-2027): \$ 473,485**

### Description and Justification

Opportunities exist for transportation improvements to be made in conjunction with various developments. Constructing improvements in conjunction with other development improvements can be done at a reduced cost with less impact to the public. Projects are identified through the development review process and constructed as needed. It is the Town's intent to construct these improvements during development at a reduced cost and to continue to provide an adequate level of service. This project aims to help address increases in traffic and congestion, which has been identified as an area of concern in the Community Survey.

Expenditures	2023	2024	2025	2026	2027	Total
Engineering/Construction	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000

<b>Total Expenditures</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Road and Bridge Tax	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000

<b>Total Funding Sources</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>
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### Operational Impact

The operational impact of the program will depend on the specific projects constructed and will be incorporated into future budgets as appropriate.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### ADA Ramps

Project Number: 76-78

Contact: Frank Castillo, Project Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: Variable

5 Year Historical Total \$ 80,000

2023-2027 Total 400,000

**CIP Project Total (2018-2027): \$ 480,000**

### Description and Justification

Town Council approved the Americans with Disabilities Act (ADA) Prioritization Plans which identified \$80,000 per year to be allocated towards curb ramp upgrades based on priorities and available funding. A contractor will be utilized to construct these upgrades. The goal of the ADA Curb Ramps Prioritization Plan for the Town of Castle Rock is to ensure that the Town creates accessible paths of travel within the public right-of-way for people with disabilities. This project helps to address the community priority of a safe and reliable transportation system.

Expenditures	2023	2024	2025	2026	2027	Total
Construction	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 400,000

<b>Total Expenditures</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 400,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Residential Building Use Tax	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 400,000

<b>Total Funding Sources</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 400,000</b>
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### Operational Impact

Operational impacts are typically minimal as these small improvements to existing infrastructure fall under existing maintenance operations.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Illuminated Street Name Signs

Project Number: 79-02

Contact: Jacob Vargish, Transp. Planning & Traffic Engineering Mgr.

Department: Public Works Department

Category: Infrastructure

Type: New

Useful Life: 10 years

5 Year Historical Total \$ 159,335

2023-2027 Total 331,700

**CIP Project Total (2018-2027): \$ 491,035**

### Description and Justification

The request is for continuing the procurement and installation of illuminated street name signs (ISNS) at three existing signalized intersections each for \$60,000 per year, plus 5% growth in labor and equipment costs a year, in order to enhance the existing signal network by providing improved guide signs during the night time. In 2015, the Town installed the first illuminated street name sign at Plum Creek Parkway and Wilcox Street. Since then the Town has installed two or more intersections a year of illuminated street name signs along the perimeter roadway throughout Town, including CDOT owned and maintained signals (see included map). We also install ISNS at new intersections Townwide. By staff purchasing the equipment and using contract maintenance labor to assist with install, the Town is maximizing its resources to complete this project. The Traffic Engineering Division is proposing to continue this program over for the next five years by installing three intersections of signs a year, continuing with the ring road intersections, and then along major arterial and collector roadways. This enhancement does not directly impact our LOS of operations, however indirectly the lit signs provide better directional guidance to travelers not familiar with the community, which improves their ability to navigate the community as well as add character and awareness that you are in Castle Rock. Alternatives would be to use standard, unlit, reflective street name signs. These would be the standard minimal MUTCD compliant signs, with less visibility at night. There is not a significant operational impact if not completed, however these signs add value to the community with the install of these signs.

Expenditures	2023	2024	2025	2026	2027	Total
Construction	\$ 60,000	\$ 63,000	\$ 66,200	\$ 69,500	\$ 73,000	\$ 331,700

<b>Total Expenditures</b>	<b>\$ 60,000</b>	<b>\$ 63,000</b>	<b>\$ 66,200</b>	<b>\$ 69,500</b>	<b>\$ 73,000</b>	<b>\$ 331,700</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Residential Building Use Tax	\$ 60,000	\$ 63,000	\$ 66,200	\$ 69,500	\$ 73,000	\$ 331,700

<b>Total Funding Sources</b>	<b>\$ 60,000</b>	<b>\$ 63,000</b>	<b>\$ 66,200</b>	<b>\$ 69,500</b>	<b>\$ 73,000</b>	<b>\$ 331,700</b>
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### Operational Impact

Operational impacts are typically minimal as these small improvements to existing infrastructure fall under existing maintenance operations budgets.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name **Park St & Wolfensberger Rd Intersection**

Project Number: 77-44

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: 10 years

5 Year Historical Total \$ -

2023-2027 Total 600,000

**CIP Project Total (2018-2027): \$ 600,000**

### Description and Justification

This project accommodates turning movements at the intersection of Park Street and Wolfensberger Road in order to allow right turns from east bound Wolfensberger to south bound Park Street without interfering with north bound and left turning Park Street traffic. The timing of this project is proposed to minimize disruption to the community.

<b>Expenditures</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Design	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Construction	500,000	-	-	-	-	500,000
<b>Total Expenditures</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 600,000</b>

<b>Funding Sources</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Residential Building Use Tax	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000
<b>Total Funding Sources</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 600,000</b>

### Operational Impact

Operational impacts are typically minimal as these small improvements to existing infrastructure fall under existing maintenance operations budgets.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Salt Shed Expansion

Project Number: 70-20

Contact: Daniel Lord, Division Manager

Department: Public Works Department

Category: Infrastructure

Type: New

Useful Life: 10 years

5 Year Historical Total \$ -

2023-2027 Total 400,000

**CIP Project Total (2018-2027): \$ 400,000**

### Description and Justification

Funding is requested to expand the current salt/sand shed located at 675 Justice Way. The expansion will be used to stockpile the salt/sand mix used in the Snow and Ice Control Program. Additional funds are requested in the future to construct a smaller shed immediately adjacent to the existing shed to store the salt mix used downtown and in icebreaking operations. The present storage capacity of the shed has in recent years been insufficient to store all the material needed for winter plowing and ice mitigation operations, forcing the Town to purchase additional material when pricing is at the highest. Being able to stockpile sufficient material for the entire season would allow for the entire purchase to be made when pricing and demand is at its lowest. In addition to the cost savings, as the 2019-2020 season demonstrated, when demand is at its highest distributors will begin an allocation process that provides some material but not allow for entire order fulfillment because nearly all municipalities are asking for material with limited ability to supply it.

A smaller shed (96' x 50') is also requested with construction in 2026 as the need for the separation of the two salt piles becomes necessary. The smaller shed would be used to store the salt mix for downtown and ice mitigation. The expected capacity of this shed would accommodate 1,500 tons of salt mix and is expected to be sufficient for downtown operations and more than doubles the current capacity for ice mitigation. This is enough material to carry the Town through a season for the foreseeable future at current application rates and accommodate Town growth to roughly 1,800 lane miles.

Expenditures	2023	2024	2025	2026	2027	Total
Construction	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ 400,000

<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ 400,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Residential Building Use Tax	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ 400,000

<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ 400,000</b>
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### Operational Impact

Operational impacts are typically minimal as these small improvements to existing infrastructure fall under existing maintenance operations budgets.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### TRANSPORTATION CAPITAL FUND

#### PUBLIC WORKS DEPARTMENT

#### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
5th Street Widening	\$ 18,500,000	\$ -	\$ -	\$ -	\$ -	\$ 18,500,000
Wolfensberger Widening & Roundabout	1,144,000	-	18,700,000	-	-	19,844,000
Plum Creek Widening	813,000	5,850,000	-	-	-	6,663,000
Prairie Hawk Widening-North	577,000	5,200,000	-	-	-	5,777,000
Prairie Hawk S-Millers Rndbt to Plum Creek	606,900	4,045,800	-	-	-	4,652,700
Prairie Hawk S-Topeka to Wolfensberger	-	444,500	50,000	2,964,000	-	3,458,500
Perry Street Extension	-	-	1,400,000	-	9,500,000	10,900,000
86 Widening-Ridge to Enderud	-	1,060,000	200,000	8,300,000	-	9,560,000
I-25 Plum Creek Parkway Off Ramp	-	-	1,050,000	-	-	1,050,000
East Frontage Road Improvements	-	-	-	-	1,015,000	1,015,000
Roundabout (location TBD)	-	-	-	600,000	150,000	750,000
<b>Total Expenditures by Year</b>	<b>\$ 21,640,900</b>	<b>\$ 16,600,300</b>	<b>\$ 21,400,000</b>	<b>\$ 11,864,000</b>	<b>\$ 10,665,000</b>	<b>\$ 82,170,200</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ 21,640,900	\$ 16,600,300	\$ 21,400,000	\$ 11,864,000	\$ 10,665,000	\$ 82,170,200
<b>Total Funding Sources by Year</b>	<b>\$ 21,640,900</b>	<b>\$ 16,600,300</b>	<b>\$ 21,400,000</b>	<b>\$ 11,864,000</b>	<b>\$ 10,665,000</b>	<b>\$ 82,170,200</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



Roundabout at Wilcox and South

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### 5th Street Widening

Project Number: 78-85

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$ 1,952,500

2023-2027 Total 18,500,000

**CIP Project Total (2018-2027): \$20,452,500**

### Description and Justification

This project involves widening the eastbound lanes from the intersection of Woodlands Boulevard at Fifth Street to the intersection of Fifth Street and Ridge Road. The objective of this project is to reduce congestion due to forecasted traffic volumes which have been identified as an area of concern in the Community Survey.

Additional pedestrian improvements will be incorporated to improve safety between Woodlands Boulevard and Ridge Road. The timing of this project is proposed to occur with the intersection improvements at Fifth Street and Ridge Road in order to minimize disruption to the community.

Expenditures	2023	2024	2025	2026	2027	Total
Construction	\$ 18,500,000	\$ -	\$ -	\$ -	\$ -	\$ 18,500,000

<b>Total Expenditures</b>	<b>\$ 18,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,500,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ 18,500,000	\$ -	\$ -	\$ -	\$ -	\$ 18,500,000

<b>Total Funding Sources</b>	<b>\$ 18,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,500,000</b>
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### Operational Impact

Increases to future pavement maintenance will occur with the additional lane miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until design details are finalized or after project completion.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Wolfensberger Widening & Roundabout

Project Number: 77-08

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$ 2,500,000

2023-2027 Total 19,844,000

**CIP Project Total (2018-2027): \$22,344,000**

### Description and Justification

This project accommodates designing the remaining two lanes of the master planned four lane roadway on Wolfensberger Road from the intersection of Red Hawk Drive to the future Philip S. Miller Regional Park entrance. This widening of the roadway will support the continued development of the north/south and west areas of the Town by improving access to I-25 at Wolfensberger Road from the western areas of Town. This project will also include bicycle and pedestrian multi-use lanes. This project will also reduce congestion along Wolfensberger Road, provide needed pedestrian and bicycle connections between the downtown area and Coachline Road, and support proposed development along Wolfensberger.

This project also accommodates the construction of a roundabout at the intersection of Wolfensberger Road and Red Hawk Drive. This project will improve the capacity of the intersection in order to assist with congestion relief as well as improve safety. A roundabout is also the most efficient traffic control throughout all hours of the day, as opposed to traffic signals, which are limited in efficiency to the peak hours of a day. The improved efficiency of a roundabout leads to increased societal benefits such as decreased delay, improved safety, and decreased environmental impacts. This project helps to address increases in traffic and congestion, which has been identified as an area of concern in the Community Survey.

Expenditures	2023	2024	2025	2026	2027	Total
Right of Way Acquisition	\$ 1,144,000	\$ -	\$ -	\$ -	\$ -	\$ 1,144,000
Construction	-	-	18,700,000	-	-	18,700,000
<b>Total Expenditures</b>	<b>\$ 1,144,000</b>	<b>\$ -</b>	<b>\$ 18,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$19,844,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ 1,144,000	\$ -	\$ 18,700,000	\$ -	\$ -	\$19,844,000
<b>Total Funding Sources</b>	<b>\$ 1,144,000</b>	<b>\$ -</b>	<b>\$ 18,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$19,844,000</b>

### Operational Impact

Increases to future pavement maintenance will occur with the additional lane miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until design details are finalized or after project completion.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Plum Creek Widening

Project Number: 77-05

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$16,529,943

2023-2027 Total 6,663,000

**CIP Project Total (2018-2027): \$23,192,943**

### Description and Justification

This project completes widening Plum Creek Parkway from the intersection at Wolfensberger Road to the entrance at Philip S. Miller Park. This project was identified in the Town's Transportation Master Plan as needed to reduce current and future traffic congestion. The work programmed for 2023 includes the completion of the roadway design with construction planned in 2024.

Expenditures	2023	2024	2025	2026	2027	Total
Design	\$ 813,000	\$ -	\$ -	\$ -	\$ -	\$ 813,000
ROW / Construction	-	5,850,000	-	-	-	5,850,000
<b>Total Expenditures</b>	<b>\$ 813,000</b>	<b>\$ 5,850,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,663,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ 813,000	\$ 5,850,000	\$ -	\$ -	\$ -	\$ 6,663,000
<b>Total Funding Sources</b>	<b>\$ 813,000</b>	<b>\$ 5,850,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,663,000</b>

### Operational Impact

Increases to future pavement maintenance will occur with the additional lane miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until design details are finalized or after project completion.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Prairie Hawk Widening-North

Project Number: 76-29

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$ -

2023-2027 Total 5,777,000

**CIP Project Total (2018-2027): \$ 5,777,000**

### Description and Justification

The Town's Transportation Master Plan has identified the need to widen Prairie Hawk to four lanes between Wolfensberger Road on the south end to Melting Snow Drive to the north. This widening is included in the Master Plan as a project to be completed by 2030 in order to accommodate continued growth within the Town. This project objective is in line with one of the community's top priorities to address traffic congestion as identified in previous Community Surveys.

Expenditures	2023	2024	2025	2026	2027	Total
Design	\$ 577,000	\$ -	\$ -	\$ -	\$ -	\$ 577,000
Construction	-	5,200,000	-	-	-	5,200,000
<b>Total Expenditures</b>	<b>\$ 577,000</b>	<b>\$ 5,200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,777,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ 577,000	\$ 5,200,000	\$ -	\$ -	\$ -	\$ 5,777,000
<b>Total Funding Sources</b>	<b>\$ 577,000</b>	<b>\$ 5,200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,777,000</b>

### Operational Impact

Minor increases to pavement maintenance are anticipated, dependent on the overall net change to the roadway impervious area. This impact will not be known until design details are finalized or after project completion.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name **Prairie Hawk S-Millers Rndbt to Plum Creek**

Project Number: 76-29

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$ -

2023-2027 Total 4,652,700

**CIP Project Total (2018-2027): \$ 4,652,700**

### Description and Justification

The Town's Transportation Master Plan has identified the need to widen Prairie Hawk Road between Wolfensberger and Plum Creek Parkway. The cross section for this portion of the alignment will be a four-lane roadway between Topeka and Plum Creek Pkwy. The design in 2023 and construction in 2024 would complete the section from Plum Creek Pkwy north to the new Millers Landing roundabout. The section between the Millers roundabout and Topeka would be done at a later date by the Millers Landing development. This extension project is included in the Master Plan as a project to be completed by 2030 in order to accommodate continued growth within the Town. This project objective is in line with one of the community's top priorities to address traffic congestion as identified in the previous Community Surveys.

<b>Expenditures</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Design / ROW Phase 1	\$ 606,900	\$ -	\$ -	\$ -	\$ -	\$ 606,900
Construction Phase 1	-	4,045,800	-	-	-	4,045,800

<b>Total Expenditures</b>	<b>\$ 606,900</b>	<b>\$ 4,045,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,652,700</b>
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<b>Funding Sources</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Impact Fees	\$ 606,900	\$ 4,045,800	\$ -	\$ -	\$ -	\$ 4,652,700

<b>Total Funding Sources</b>	<b>\$ 606,900</b>	<b>\$ 4,045,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,652,700</b>
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### Operational Impact

Increases to future pavement maintenance will occur with the additional lane-miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until project completion.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

**Prairie Hawk S-Topeka to Wolfensberger**

Project Number: 76-29

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$ -

2023-2027 Total 3,458,500

**CIP Project Total (2018-2027): \$ 3,458,500**

### Description and Justification

The Town's Transportation Master Plan has identified the need to widen Prairie Hawk Road between Wolfensberger and Plum Creek Parkway. The cross section for this portion of the alignment will be a four-lane roadway. The design in 2024, ROW in 2025 and construction in 2026 would improve the portion of the alignment that follows Atchison Court from Topeka to Wolfensberger Road. This extension project is included in the Master Plan as a project to be completed by 2030 in order to accommodate continued growth within the Town. This project objective is in line with one of the community's top priorities to address traffic congestion as identified in the previous Community Surveys.

Expenditures	2023	2024	2025	2026	2027	Total
Design / ROW	\$ -	\$ 444,500	\$ 50,000	\$ -	\$ -	\$ 494,500
Construction			-	2,964,000	-	2,964,000
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ 444,500</b>	<b>\$ 50,000</b>	<b>\$ 2,964,000</b>	<b>\$ -</b>	<b>\$ 3,458,500</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ -	\$ 444,500	\$ 50,000	\$ 2,964,000	\$ -	\$ 3,458,500
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 444,500</b>	<b>\$ 50,000</b>	<b>\$ 2,964,000</b>	<b>\$ -</b>	<b>\$ 3,458,500</b>

### Operational Impact

Increases to future pavement maintenance will occur with the additional lane-miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until project completion.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Perry Street Extension

Project Number: 79-14

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$ -

2023-2027 Total 10,900,000

**CIP Project Total (2018-2027): \$10,900,000**

### Description and Justification

The Town's Transportation Master Plan has identified the need to extend Perry Street from where it ends to the south of Plum Creek Parkway over to the east Frontage Road. This extension project is included in the Master Plan as a project to be completed by full build out of the Town in order to accommodate continued growth within the Town. This project objective is in line with one of the community's top priorities to address traffic congestion as identified in the recent Community Surveys.

Expenditures	2023	2024	2025	2026	2027	Total
Design	\$ -	\$ -	\$ 1,400,000	\$ -	\$ -	\$ 1,400,000
Construction			-	-	9,500,000	9,500,000
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,400,000</b>	<b>\$ -</b>	<b>\$ 9,500,000</b>	<b>\$10,900,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ -	\$ -	\$ 1,400,000	\$ -	\$ 9,500,000	\$10,900,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,400,000</b>	<b>\$ -</b>	<b>\$ 9,500,000</b>	<b>\$10,900,000</b>

### Operational Impact

Increases to future pavement maintenance will occur with the additional lane-miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until project completion.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name 86 Widening-Ridge to Enderud

Project Number: 79-01

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$ -

2023-2027 Total 9,560,000

**CIP Project Total (2018-2027): \$ 9,560,000**

### Description and Justification

The Town's Transportation Master Plan has identified the need to widen the existing two-lane roadway on highway 86 to four lanes between Ridge Road and Enderud. This is included in the Master Plan as a project to be completed by 2030 in order to accommodate continued growth within the Town. This project objective is in line with one of the community's top priorities to address traffic congestion as identified in the recent Community Surveys. Funding for design is included in 2024-2025 with construction currently planned beyond the five year planning period.

Expenditures	2023	2024	2025	2026	2027	Total
Design / ROW	\$ -	\$ 1,060,000	\$ 200,000	\$ -	\$ -	\$ 1,260,000
Construction		-	-	8,300,000	-	8,300,000
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ 1,060,000</b>	<b>\$ 200,000</b>	<b>\$ 8,300,000</b>	<b>\$ -</b>	<b>\$ 9,560,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ -	\$ 1,060,000	\$ 200,000	\$ 8,300,000	\$ -	\$ 9,560,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 1,060,000</b>	<b>\$ 200,000</b>	<b>\$ 8,300,000</b>	<b>\$ -</b>	<b>\$ 9,560,000</b>

### Operational Impact

No operational impacts expected because CDOT maintains Highway 86.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### I-25 Plum Creek Parkway Off Ramp

Project Number: 79-18

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: New - Upgrade

Useful Life: 20 years

5 Year Historical Total \$ -

2023-2027 Total 1,050,000

**CIP Project Total (2018-2027): \$ 1,050,000**

### Description and Justification

This project is intended to complete improvements at the off ramp from I-25 to Plum Creek Parkway. This project was identified in the Town's Transportation Master Plan as need to reduce current and future traffic congestion at this highway exit. Design work is planned for 2025 with construction expected to be outside the five-year planning period.

Expenditures	2023	2024	2025	2026	2027	Total
Design	\$ -	\$ -	\$ 1,050,000	\$ -	\$ -	\$ 1,050,000

<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,050,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,050,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ -	\$ -	\$ 1,050,000	\$ -	\$ -	\$ 1,050,000

<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,050,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,050,000</b>
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### Operational Impact

Increases to future pavement maintenance will occur with the additional lane miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until design details are finalized or after project completion.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### East Frontage Road Improvements

Project Number: 79-13

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: 30 years

5 Year Historical Total \$ -

2023-2027 Total 1,015,000

**CIP Project Total (2018-2027): \$ 1,015,000**

### Description and Justification

The Town's Transportation Master Plan has identified the need for intersection and pedestrian / bike improvements along the East Frontage Road between Plum Creek Pkwy and Crystal Valley Road. This project is included in the Town Master Plan as a project to be completed by full build out of the Town in order to accommodate continued growth. This project objective is in line with one of the community's top priorities to address traffic congestion as identified in the recent Community Surveys.

Expenditures	2023	2024	2025	2026	2027	Total
Design	\$ -	\$ -	\$ -	\$ -	\$ 1,015,000	\$ 1,015,000

<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,015,000</b>	<b>\$ 1,015,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Impact fees	\$ -	\$ -	\$ -	\$ -	\$ 1,015,000	\$ 1,015,000

<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,015,000</b>	<b>\$ 1,015,000</b>
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### Operational Impact

Minor increases to pavement maintenance are anticipated, dependent on the overall net change to the roadway impervious area. This impact will not be known until design details are finalized or after project completion.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

**Roundabout (location TBD)**

Project Number: 79-16

Contact: Brian Kelley, Engineering Manager

Department: Public Works Department

Category: Infrastructure

Type: Upgrade

Useful Life: 30 years

5 Year Historical Total \$ -

2023-2027 Total 750,000

**CIP Project Total (2018-2027): \$ 750,000**

### Description and Justification

There is a growing community interested in constructing more roundabouts as the traveling public is realizing the efficiencies, and safety benefits of these intersection controls. The location is to be determined. Construction is beyond 5 year plan.

<b>Expenditures</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Design Roundabout 1	\$ -	\$ -	\$ -	\$ 275,000	\$ 75,000	\$ 350,000
Design Roundabout 2			-	325,000	75,000	400,000
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 600,000</b>	<b>\$ 150,000</b>	<b>\$ 750,000</b>
<b>Funding Sources</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Impact fees	\$ -	\$ -	\$ -	\$ 275,000	\$ 75,000	\$ 350,000
Impact fees			-	325,000	75,000	400,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 600,000</b>	<b>\$ 150,000</b>	<b>\$ 750,000</b>

### Operational Impact

Minor increases to pavement maintenance are anticipated, dependent on the overall net change to the roadway impervious area. This impact will not be known until design details are finalized or after project completion.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### CONSERVATION TRUST FUND

#### PARKS & RECREATION DEPARTMENT

#### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Park Improvements	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000
<b>Total Expenditures by Year</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 1,500,000</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Lottery Funds	300,000	300,000	300,000	300,000	\$ 300,000	1,500,000
<b>Total Funding Sources by Year</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 1,500,000</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



Metzler Open Space

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Park Improvements

Project Number: 75-18

Contact: Jeff Smullen, Assistant Director of Parks & Recreation

Department: Parks & Recreation Department

Category: Parks/Trails

Type: Repair

Useful Life: 15-20 Years

5 Year Historical Total \$ 6,637,475

2023-2027 Total 1,500,000

**CIP Project Total (2018-2027): \$ 8,137,475**

### Description and Justification

The upkeep of parks and open space requires continual investment to maintain existing levels of service. Playground equipment and other park amenities deteriorate with standard wear patterns and have an average life expectancy of 15-20 years. This capital project is reserved each year for life cycle repair and replacement projects throughout Castle Rock, which includes items such as playground replacements, game court, athletic field, and pavilion improvements. This meets the Council-supported strategic plan goal of providing safe, high-quality facilities for residents through the implementation of an annual replacement program.

Staff will request Douglas County Shareback funds annually through 2023 (when the fund sunsets) and also receives annual funds from the Colorado Lottery to complete design work, assessment, and capital improvements as necessary for each property as identified through the annual assessment process.

Planned improvements are scheduled for the following parks. Centennial, Paintbrush Pond, Founders, Plum Creek South, Castle Highlands, Bison, and Philip S. Miller parks including amphitheater and event space improvements. (Amounts will be determined by design scope and location specific needs.)

Expenditures	2023	2024	2025	2026	2027	Total
Park Improvements	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000

<b>Total Expenditures</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 1,500,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Lottery Funds	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000

<b>Total Funding Sources</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 1,500,000</b>
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### Operational Impact

The operational impact of this project will not be known until project completion.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### PARKS AND RECREATION CAPITAL FUND

#### PARKS & RECREATION DEPARTMENT

#### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Future Parks	\$ 3,500,000	\$ -	\$ -	\$ 500,000	\$ 5,000,000	\$ 9,000,000
Recreation Center	-	-	15,000,000	-	-	15,000,000
<b>Total Expenditures by Year</b>	<b>\$ 3,500,000</b>	<b>\$ -</b>	<b>\$ 15,000,000</b>	<b>\$ 500,000</b>	<b>\$ 5,000,000</b>	<b>\$ 24,000,000</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ 3,500,000	\$ -	\$ 15,000,000	\$ 500,000	\$ 5,000,000	\$ 24,000,000
<b>Total Funding Sources by Year</b>	<b>\$ 3,500,000</b>	<b>\$ -</b>	<b>\$ 15,000,000</b>	<b>\$ 500,000</b>	<b>\$ 5,000,000</b>	<b>\$ 24,000,000</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



Castle Rock Recreation Center



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Future Parks

Project Number: 75-21

Contact: Jeff Smullen, Assistant Director of Parks & Recreation

Department: Parks & Recreation Department

Category: Parks/Trails

Type: New

Useful Life: 50 years

5 Year Historical Total \$ 9,485,368

2023-2027 Total 9,000,000

**CIP Project Total (2018-2027): \$ 18,485,368**

### Description and Justification

The Parks and Recreation Department requests funding for construction that includes new community and neighborhood parks to maintain current levels of service with population growth. Plum Creek North Park is proposed as the next new neighborhood park for construction beginning in 2023. Planning and design for the next new neighborhood park is scheduled for 2026 with construction in 2027. Location for this park TBD.

Expenditures	2023	2024	2025	2026	2027	Total
Park Design	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000
Park Construction	3,500,000.00	-	-	-	5,000,000.00	8,500,000.00
<b>Total Expenditures</b>	<b>\$ 3,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 5,000,000</b>	<b>\$ 9,000,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ 3,500,000	\$ -	\$ -	\$ 500,000	\$ 5,000,000	\$ 9,000,000
<b>Total Funding Sources</b>	<b>\$ 3,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 5,000,000</b>	<b>\$ 9,000,000</b>

### Operational Impact

Operational costs will increase after the completion of construction of each neighborhood park. These costs will be determined and incorporated into future planning in the General Fund once design of the park site is complete. Factors affecting operating costs include size of the park site, natural v. artificial turf, water features, and other elements related to the specific park site.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Recreation Center

Project Number: 79-14

Contact: Jeff Smullen, Assistant Director of Parks & Recreation

Department: Parks & Recreation Department

Category: Building

Type: New

Useful Life: 50 years

5 Year Historical Total \$ -

2023-2027 Total 15,000,000

**CIP Project Total (2018-2027): \$ 15,000,000**

### Description and Justification

The Parks and Recreation Capital Fund includes planning for both parks and indoor recreation facilities as a core level of service for the Town. A new indoor recreation center is planned for a 2025 opening and is needed to meet the demand created by growth. A new recreation facility is included in the Parks and Recreation approved strategic plan and master plan as it aligns with Council strategic priority of maintaining excellent parks and recreation services.

The plan for the new center has not been fully developed or publicly processed; however, the new facility may include aquatics, gymnasiums, and/or other facilities yet to be determined. In 2025, a downpayment is planned for the proposed Sports Development Center. Actual construction and ongoing operating costs will be determined as planning is finalized.

Expenditures	2023	2024	2025	2026	2027	Total
Construction	\$ -	\$ -	\$ 15,000,000	\$ -	\$ -	\$ 15,000,000

<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ -	\$ -	\$ 15,000,000	\$ -	\$ -	\$ 15,000,000

<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000,000</b>
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### Operational Impact

The 2019 feasibility study identified the potential revenue and operational cost of a new indoor recreation facility. The program mix for this facility must consider balancing elements with higher operational costs with revenue producing amenities to meet future cost recovery goals.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### WATER RESOURCES FUND

#### CASTLE ROCK WATER

#### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Plum Creek to RHR Pipeline and Pump Station	\$ -	\$ -	\$ -	\$ -	\$ 18,000,000	\$ 18,000,000
Cherry Creek Basin Water	2,170,000	1,400,000	-	-	-	3,570,000
PCWPF Expansion & PC Central Pipeline	3,200,000	17,450,000	21,965,000	27,611,000	3,189,000	73,415,000
Alternative Source of Supply Project	3,000,000	-	-	-	-	3,000,000
Chatfield Reallocation and Pump-Back Projects	1,300,000	1,097,600	-	1,097,600	1,097,600	4,592,800
Miscellaneous Projects	-	-	275,000	2,433,000	1,300,000	4,008,000
Advanced Metering Infrastructure	902,690	848,480	849,930	50,500	-	2,651,600
WISE Project	14,171,260	1,170,050	4,908,840	1,429,150	37,437,150	59,116,450
Castle Rock Reservoir System	19,580,000	-	-	-	-	19,580,000
ECCV N-S Pipeline Capacity	1,307,941	-	-	-	-	1,307,941
Water Rights Acquisition	5,188,655	-	-	-	-	5,188,655
<b>Total Expenditures by Year</b>	<b>\$50,820,546</b>	<b>\$21,966,130</b>	<b>\$ 27,998,770</b>	<b>\$32,621,250</b>	<b>\$ 61,023,750</b>	<b>\$ 194,430,446</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
System Development Fees	\$29,950,714	\$12,670,590	\$ 16,289,304	\$19,542,450	\$ 36,614,250	\$ 115,067,308
Water Resources Fees	20,869,832	9,295,540	11,709,466	13,078,800	24,409,500	79,363,138
<b>Total Funding Sources by Year</b>	<b>\$50,820,546</b>	<b>\$21,966,130</b>	<b>\$ 27,998,770</b>	<b>\$32,621,250</b>	<b>\$ 61,023,750</b>	<b>\$ 194,430,446</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



*Sedalia Pump Station*

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name **Plum Creek to RHR Pipeline and Pump Station**

Project Number:	78-04		
Contact:	Matt Benak, Water Resources Manager	5 Year Historical Total	\$ 1,302,884
Department:	Castle Rock Water	2023-2027 Total	18,000,000
Category:	Infrastructure	<b>CIP Project Total (2018-2027):</b>	<b>\$ 19,302,884</b>
Type:	New		
Useful Life:	50 years		

### Description and Justification

This project addresses permitting and construction of a new pump station, pipeline and outlet structure into Rueter-Hess Reservoir so that a portion of the Town's water rights can be transmitted for storage and, subsequently for treatment at Parker's Rueter Hess Reservoir Water Purification Facility (RHWPF). The initial project will be designed to move approximately 1,000 acre-feet of water per year.

<b>Expenditures</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Newlin Gulch Pipeline and Pump Station	\$ -	\$ -	\$ -	\$ -	\$ 18,000,000	\$ 18,000,000
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,000,000</b>	<b>\$ 18,000,000</b>

<b>Funding Sources</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
System Development Fees	\$ -	\$ -	\$ -	\$ -	\$ 10,800,000	\$ 10,800,000
Water Resources Fees	-	-	-	-	7,200,000	7,200,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,000,000</b>	<b>\$ 18,000,000</b>

### Operational Impact

The operational impact of this project will be known following project completion. These costs will primarily be related to electricity for pumping. Costs will be budgeted in the future when better understood.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Cherry Creek Basin Water

Project Number: 79-17, 75-47

Contact: Matt Benak, Water Resources Manager

Department: Castle Rock Water

Category: Infrastructure

Type: New

Useful Life: 50 Years

5 Year Historical Total \$ 9,938,666

2023-2027 Total 3,570,000

**CIP Project Total (2018-2027): \$ 13,508,666**

### Description and Justification

As part of Castle Rock's goal towards 75% renewable water, the Town has become members of the Cherry Creek Project Water Authority (CCPWA). This membership gives Castle Rock access to approximately 247 acre-feet of renewable surface water annually (on average) within the Cherry Creek Basin as well as additional groundwater resources and junior water rights. The Town is seeking to put the renewable water to immediate use through a partnership with the Pinery. New infrastructure will need to be constructed to pump, transmit and store the Cherry Creek water rights to realize the maximum yield. Additional monies are included beyond the 5-year planning horizon for other renewable water rights opportunities that may become available in close proximity to Castle Rock.

Expenditures	2023	2024	2025	2026	2027	Total
CC Basin Infrastructure	\$ 2,170,000	\$ 1,400,000	\$ -	\$ -	\$ -	\$ 3,570,000

**Total Expenditures \$ 2,170,000 \$ 1,400,000 \$ - \$ - \$ - \$ 3,570,000**

Funding Sources	2023	2024	2025	2026	2027	Total
System Development Fees	\$ 1,302,000	\$ 840,000	\$ -	\$ -	\$ -	\$ 2,142,000
Water Resources Fees	868,000	560,000	-	-	-	1,428,000

**Total Funding Sources \$ 2,170,000 \$ 1,400,000 \$ - \$ - \$ - \$ 3,570,000**

### Operational Impact

Operational costs and general dues for the CCPWA are included in Water Resources are estimated at \$120,000 annually.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name PCWPF Expansion & PC Central Pipeline

Project Number:	77-75; 76-63	5 Year Historical Total	\$ 32,506,648
Contact:	Matt Benak, Water Resources Manager	2023-2027 Total	73,415,000
Department:	Castle Rock Water	CIP Project Total (2018-2027):	\$ 105,921,648
Category:	Infrastructure		
Type:	Upgrade		
Useful Life:	50 years		

### Description and Justification

Advanced treatment processes are necessary for the effective treatment of the Town's Plum Creek surface water and reuse water supplies. The future goal of the Town is to provide 75% renewable water supply annually to its customers and this project will be a key component to achieve that goal. Ultimate treatment capacity at Plum Creek Water Purification Facility (PCWPF) will be 12 million gallons per day. The membrane racks need to be replaced every 10 years, the first set was installed in 2013.

Expenditures	2023	2024	2025	2026	2027	Total
PCWPF Expansion	\$ 2,800,000	\$15,750,000	\$16,115,000	\$ 21,761,000	\$ 2,789,000	\$ 59,215,000
Replace Membrane Rack	400,000	-	-	-	400,000	800,000
Plum Creek Pipeline to PCWPF	-	1,700,000	5,850,000	5,850,000	-	13,400,000
<b>Total Expenditures</b>	<b>\$3,200,000</b>	<b>\$17,450,000</b>	<b>\$21,965,000</b>	<b>\$27,611,000</b>	<b>\$3,189,000</b>	<b>\$ 73,415,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
System Development Fees	\$ 1,920,000	\$10,470,000	\$13,179,000	\$16,566,600	\$ 1,913,400	\$ 44,049,000
Water Resources Fees	1,280,000	6,980,000	8,786,000	11,044,400	1,275,600	29,366,000
<b>Total Funding Sources</b>	<b>\$3,200,000</b>	<b>\$17,450,000</b>	<b>\$21,965,000</b>	<b>\$27,611,000</b>	<b>\$3,189,000</b>	<b>\$ 73,415,000</b>

### Operational Impact

Estimated operation and maintenance costs for advanced treatment processes are estimated \$1.1 million in 2023 and beyond and are incorporated in the Water Resources Fund's operations budget.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Alternative Source of Supply Project

Project Number: 77-30

Contact: Matt Benak, Water Resources Manager

Department: Castle Rock Water

Category: Water Rights

Type: Upgrade

Useful Life: 50 years

5 Year Historical Total \$ 4,880,187

2023-2027 Total 3,000,000

**CIP Project Total (2018-2027): \$ 7,880,187**

### Description and Justification

Sustainable water supplies must be imported to the Town with a focus on proximity and feasibility in order to meet the goal of 75 percent renewable water. This project entails importing an additional 2,500 acre-feet of renewable and fully consumable water from the South Platte River Basin, northeast of the Denver metro area. It includes the purchase of approximately 2,500 acre-feet of renewable surface water rights and all legal costs associated with enabling the water to be used in Castle Rock. It includes legal and engineering due diligence, construction of a well field on the Box Elder property (located in Weld County), demolishing current structures on Box Elder property, abandoning existing wells, developing new pumping systems, and raw water transmission pipelines. This project also includes obtaining capacity in East Cherry Creek Valley (ECCV) Water & Sanitation District's Northern Pipeline plus pump stations and treatment capacity in ECCV's water treatment plant.

Expenditures	2023	2024	2025	2026	2027	Total
Water Rights Acquisition	\$ 2,700,000	\$ -	\$ -	\$ -	\$ -	\$ 2,700,000
Box Elder Creek Project Due Diligence	300,000	-	-	-	-	300,000
<b>Total Expenditures</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,000,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
System Development Fees	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000
Water Resources Fees	1,200,000	-	-	-	-	1,200,000
<b>Total Funding Sources</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,000,000</b>

### Operational Impact

Operating costs are not currently estimated as construction of infrastructure to move the water is not planned to begin until year 2030. The operational costs will be funded by rates.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Chatfield Reallocation and Pump-Back Projects

Project Number:	77-29, 78-03		
Contact:	Matt Benak, Water Resources Manager	5 Year Historical Total	\$ 4,091,741
Department:	Castle Rock Water	2023-2027 Total	4,592,800
Category:	Water Rights	<b>CIP Project Total (2018-2027):</b>	<b>\$ 8,684,541</b>
Type:	Upgrade		
Useful Life:	Perpetual		

### Description and Justification

This project will fund the participation and maintenance costs of the Town's owned storage space (719 acre-feet) in the Chatfield Reservoir Reallocation Project. The Town plans to increase its ultimate storage capacity to 2,000 acre-feet over the next 12 years. This project has been identified as a critical component of the Town's Water Resources Strategic Master Plan, which includes maximizing the Town's existing supplies and finding the most efficient solutions to meet the Town's long term renewable water supply goals. Specifically, this storage space will allow enhanced management capabilities for the Town's Plum Creek water rights, including treated return flows in the Plum Creek basin, and native rights along Plum Creek and the South Platte River. This project is funded in partnership with multiple entities and managed by the Chatfield Reservoir Mitigation Company (CRMC). Additionally, Castle Rock will be determining how best to physically pump and transmit the stored Chatfield supplies back to the Town with the Chatfield West-Side Alternatives Project that may involve regional partnerships.

Expenditures	2023	2024	2025	2026	2027	Total
Additional Storage	\$ -	\$ 1,097,600	\$ -	\$ 1,097,600	\$ 1,097,600	\$ 3,292,800
Chatfield West-Side Alternatives Project	1,300,000	-	-	-	-	1,300,000
<b>Total Expenditures</b>	<b>\$ 1,300,000</b>	<b>\$ 1,097,600</b>	<b>\$ -</b>	<b>\$ 1,097,600</b>	<b>\$ 1,097,600</b>	<b>\$ 4,592,800</b>

Funding Sources	2023	2024	2025	2026	2027	Total
System Development Fees	\$ 780,000	\$ 658,560	\$ -	\$ 658,560	\$ 658,560	\$ 2,755,680
Water Resources Fees	520,000	439,040	-	439,040	439,040	1,837,120
<b>Total Funding Sources</b>	<b>\$ 1,300,000</b>	<b>\$ 1,097,600</b>	<b>\$ -</b>	<b>\$ 1,097,600</b>	<b>\$ 1,097,600</b>	<b>\$ 4,592,800</b>

### Operational Impact

Operating and maintenance expenses of the Town's capacity in the Chatfield Reservoir Storage Project are anticipated to be approximately \$256,000 to \$270,000 a year which is incorporated in the Water Resources Fund's operations budget.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Miscellaneous Projects

Project Number:	Multiple	5 Year Historical Total	\$	3,856,898
Contact:	Matt Benak, Water Resources Manager	2023-2027 Total		4,008,000
Department:	Castle Rock Water	<b>CIP Project Total (2018-2027):</b>	<b>\$</b>	<b>7,864,898</b>
Category:	Infrastructure			
Type:	Upgrade			
Useful Life:	50 years			

### Description and Justification

This capital improvement project addresses several needs including the construction of two additional Aquifer Storage and Recovery (ASR) wells, ASR control valve replacement, the redrill of certain Town alluvial wells, and additional stream gages to better administer certain water rights for the Town. Aquifer storage and recovery is the process that allows the Town to put excess water downhole into the aquifer through a control valve installed in the well for storage and later recovery through pumping.

Expenditures	2023	2024	2025	2026	2027	Total
ASR Program	\$ -	\$ -	\$ -	\$ 1,133,000	\$ -	\$ 1,133,000
ASR Program Control Valve Replacement	-	-	275,000	-	-	275,000
Alluvial Well Redrill	-	-	-	1,300,000	1,300,000	2,600,000
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 275,000</b>	<b>\$ 2,433,000</b>	<b>\$ 1,300,000</b>	<b>\$ 4,008,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
System Development Fees	\$ -	\$ -	\$ 165,000	\$ 1,459,800	\$ 780,000	\$ 2,404,800
Water Resources Fees	-	-	110,000	973,200	520,000	1,603,200
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 275,000</b>	<b>\$ 2,433,000</b>	<b>\$ 1,300,000</b>	<b>\$ 4,008,000</b>

### Operational Impact

The new stream guage and ASR wells will have operational impact and will be budgeted in the future following completion of projects.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Advanced Metering Infrastructure

Project Number: 77-15

Contact: Nichol Bussey, Business Solutions Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$ -

2023-2027 Total 2,651,600

**CIP Project Total (2018-2027): \$ 2,651,600**

### Description and Justification

This capital project is for design, planning and implementation of an Advanced Metering Infrastructure (AMI). Currently meter reads are performed once a month on the 1st-3rd of every month via drive by technology. This AMI technology would provide radio reads via tower technology with the frequency desired without the need to roll a truck. To reach full implementation and functionality approximately 13k meters would need to be upgraded to smart meter technology. Several MXUs, which are the transmitters would also need to be upgraded from "R" radios to "M" radios, approximately 13k units. Staff has already been putting in the smart meters and upgraded MXU's in each new build as well as replacing existing infrastructure with the new technology as needed. An assumption in the total costs is the rollout of the newest technology for residential accounts called the Ally ¾" Meter. This meter provides remote disconnection and reconnection via tower technology. It not only provides alerts to the customer for water usage, leak detection, pressure and temperature, but also helps identify possible issues in the distribution system. In addition to the replacement of the meters and MXUs, costs also included are for purchase and installation of 3 towers, 3 gateway base stations, 2 remote collectors, demand meter management software and analytics software. It would not be feasible to accomplish this project in 3-5 years with the current staff changing out 13k meters and 13k MXU's along with the daily responsibilities they already have with growth and existing infrastructure, so costs for third party installation have been included.

Expenditures	2023	2024	2025	2026	2027	Total
Advanced Metering Infrastructure	\$ 902,690	\$ 848,480	\$ 849,930	\$ 50,500	\$ -	\$ 2,651,600

<b>Total Expenditures</b>	<b>\$ 902,690</b>	<b>\$ 848,480</b>	<b>\$ 849,930</b>	<b>\$ 50,500</b>	<b>\$ -</b>	<b>\$ 2,651,600</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Water Resources Fees	\$ 902,690	\$ 848,480	\$ 849,930	\$ 50,500	\$ -	\$ 2,651,600

<b>Total Funding Sources</b>	<b>\$ 902,690</b>	<b>\$ 848,480</b>	<b>\$ 849,930</b>	<b>\$ 50,500</b>	<b>\$ -</b>	<b>\$ 2,651,600</b>
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### Operational Impact

Recurring costs include annual software maintenance costs and one FTE for an AMI coordinator/meter demand management.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### WISE Project

Project Number: 77-72

Contact: Matt Benak, Water Resources Manager

Department: Castle Rock Water

Category: Water Rights

Type: Upgrade

Useful Life: Perpetual/50 years

5 Year Historical Total \$ 16,699,597

2023-2027 Total 59,116,450

**CIP Project Total (2018-2027): \$ 75,816,047**

### Description and Justification

The WISE (Water Infrastructure and Supply Efficiency) project is a part of the Town's Strategic goal to transition to a 75% renewable water supply for the future. As part of this strategy, sustainable water supplies must be imported to the Town with a focus on proximity and feasibility in order to help meet this goal. This project includes securing 2,000 acre-feet per year (AF/yr) of water (Castle Rock's original subscription plus 1,000 AF of the Douglas County Option water) on average from Denver and Aurora and will build infrastructure necessary to move water from the Peter Binney Water Purification Facility located near Aurora Reservoir to the Town of Castle Rock. This part of the project includes additional pipeline connections, and infrastructure expansion through Parker Water & Sanitation District's (PWSD) system. Jacobs Engineering was hired to complete a Salinity Management Study with the purpose of determining the best methods to handle increased salinity in the water supply. (Town of Castle Rock cost at \$40M (spread out over 4 years). Operating expenses include subscription, and wheeling fees. (Fees are based on actual annual water purchased).

Expenditures	2023	2024	2025	2026	2027	Total
PWSD Asset Recovery Charges	\$ 282,000	\$ 290,000	\$ 298,000	\$ 306,000	\$ 314,000	\$ 1,490,000
WISE Infrastructure Pipeline	12,000,000	-	-	-	-	12,000,000
WISE Infrastructure: Desalination Facilities	1,440,000	150,000	3,600,000		36,000,000	41,190,000
WISE Option Agreement Reserve	449,260	730,050	1,010,840	1,123,150	1,123,150	4,436,450
<b>Total Expenditures</b>	<b>\$ 14,171,260</b>	<b>\$ 1,170,050</b>	<b>\$ 4,908,840</b>	<b>\$ 1,429,150</b>	<b>\$ 37,437,150</b>	<b>\$ 59,116,450</b>

Funding Sources	2023	2024	2025	2026	2027	Total
System Development Fees	\$ 8,502,756	\$ 702,030	\$ 2,945,304	\$ 857,490	\$ 22,462,290	\$ 35,469,870
Water Resources Fees	5,668,504	468,020	1,963,536	571,660	14,974,860	23,646,580
<b>Total Funding Sources</b>	<b>\$ 14,171,260</b>	<b>\$ 1,170,050</b>	<b>\$ 4,908,840</b>	<b>\$ 1,429,150</b>	<b>\$ 37,437,150</b>	<b>\$ 59,116,450</b>

### Operational Impact

Operating costs for the WISE project will be variable based on actual annual water purchased and paid by rates and fees. Operational cost estimates are approximately \$5.2 million each year once the full WISE delivery schedule begins in 2026 and beyond and are incorporated in the Water Resources Fund's operations budget.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Castle Rock Reservoir System

Project Number: 79-15

Contact: Matt Benak, Water Resources Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Upgrade

Useful Life: 50 years

5 Year Historical Total \$ 7,336,701

2023-2027 Total 19,580,000

**CIP Project Total (2018-2027): \$ 26,916,701**

### Description and Justification

This project includes the construction of a new 790 acre-foot raw water storage reservoir on the Plum Creek Trust property in Sedalia, Colorado, followed by a 260 acre-foot expansion of the existing Castle Rock Reservoir No. 1 reservoir on the same property. This additional storage space will allow Castle Rock Water to store fully-reusable effluent and native water that is diverted from Plum Creek via the Plum Creek Diversion, so that the Town may use that water during the high demand season.

Expenditures	2023	2024	2025	2026	2027	Total
CR-1 Diversion Improvements	\$ 700,000	\$ -	\$ -	\$ -	\$ -	\$ 700,000
Castle Rock Reservoir No. 2 Construction	18,880,000	-	-	-	-	\$ 18,880,000
<b>Total Expenditures</b>	<b>\$ 19,580,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 19,580,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
System Development Fees	\$ 11,748,000	\$ -	\$ -	\$ -	\$ -	\$ 11,748,000
Water Resources Fees	7,832,000	-	-	-	-	7,832,000
<b>Total Funding Sources</b>	<b>\$ 19,580,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 19,580,000</b>

### Operational Impact

The Castle Rock Reservoir system will need to be maintained on a regular basis for proper functionality. Operation and maintenance expenditures will increase to \$200,000 in 2024.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### ECCV N-S Pipeline Capacity

Project Number: 75-46

Contact: Matt Benak, Water Resources Manager

Department: Castle Rock Water

Category: Infrastructure

Type: New

Useful Life: 50 years

5 Year Historical Total \$ 1,184,673

2023-2027 Total 1,307,941

**CIP Project Total (2018-2027): \$ 2,492,614**

### Description and Justification

This project entails the purchase of additional pipeline capacity in the East Cherry Creek Valley North-South Pipeline that parallel's E-470. This pipeline will be used to move the Town treated Box Elder water to the WISE pipeline system and eventually to the Town of Castle Rock for use by its customers.

<b>Expenditures</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
ECCV N-S Pipeline Capacity	\$ 1,307,941	\$ -	\$ -	\$ -	\$ -	\$ 1,307,941
<b>Total Expenditures</b>	<b>\$ 1,307,941</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,307,941</b>
<b>Funding Sources</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
System Development Fees	\$ 784,765	\$ -	\$ -	\$ -	\$ -	\$ 784,765
Water Resources Fees	523,176	-	-	-	-	523,176
<b>Total Funding Sources</b>	<b>\$ 1,307,941</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,307,941</b>

### Operational Impact

The operational impact of this project will be known once we begin moving water through this pipeline and will be provided by ECCV. Costs will be budgeted in the future when better understood.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Water Rights Acquisition

Project Number: 75-47

Contact: Matt Benak, Water Resources Manager

Department: Castle Rock Water

Category: Infrastructure

Type: New

Useful Life: 50 years

5 Year Historical Total \$ 6,018,340

2023-2027 Total 5,188,655

**CIP Project Total (2018-2027): \$ 11,206,995**

### Description and Justification

This capital project involves the purchase of locally available renewable water rights. This could include the purchase of water rights from Cottonwood & Inverness or other local opportunities.

Expenditures	2023	2024	2025	2026	2027	Total
Water Rights Acquisition (Renewable)	\$ 5,188,655	\$ -	\$ -	\$ -	\$ -	\$ 5,188,655
<b>Total Expenditures</b>	<b>\$ 5,188,655</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,188,655</b>
Funding Sources	2023	2024	2025	2026	2027	Total
System Development Fees	\$ 3,113,193	\$ -	\$ -	\$ -	\$ -	\$ 3,113,193
Water Resources Fees	2,075,462	-	-	-	-	2,075,462
<b>Total Funding Sources</b>	<b>\$ 5,188,655</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,188,655</b>

### Operational Impact

Generally, no operational impacts are directly associated with the purchase of water rights.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### STORMWATER FUND

### CASTLE ROCK WATER

### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Minor Drainageway Stabilization	\$ 282,430	\$ 204,525	\$ 211,286	\$ 218,086	\$ 224,884	\$ 1,141,211
Stream Stabilization	4,440,010	4,104,950	3,516,620	4,297,130	1,356,865	17,715,575
Detention Pond Retrofits	63,610	65,840	68,020	70,210	72,400	340,080
Watershed Master Plan Updates	254,450	263,360	400,000	-	-	917,810
Storm Sewer Rehabilitation	512,350	530,280	548,220	566,490	585,040	2,742,380
<b>Total Expenditures by Year</b>	<b>\$ 5,552,850</b>	<b>\$ 5,168,955</b>	<b>\$ 4,744,146</b>	<b>\$ 5,151,916</b>	<b>\$ 2,239,189</b>	<b>\$ 22,857,056</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Stormwater Charges	\$ 952,565	\$ 1,132,092	\$ 2,160,833	\$ 1,258,665	\$ 1,294,086	\$ 6,798,241
System Development Fees	4,600,285	4,036,863	2,583,313	3,893,251	945,103	16,058,815
<b>Total Funding Sources by Year</b>	<b>\$ 5,552,850</b>	<b>\$ 5,168,955</b>	<b>\$ 4,744,146</b>	<b>\$ 5,151,916</b>	<b>\$ 2,239,189</b>	<b>\$ 22,857,056</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



East Plum Creek

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Minor Drainageway Stabilization

Project Number: Multiple

Contact: David Van Dellen, Stormwater Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Repair

Useful Life: 50 years

5 Year Historical Total \$ 826,619

2023-2027 Total 1,141,211

**CIP Project Total (2018-2027): \$ 1,967,830**

### Description and Justification

This project includes new infrastructure on small channel systems downstream of development to correct erosion where the existing minor drainageway system is incomplete. Minor drainageways are natural or engineered conveyance systems with an upstream drainage area less than 130 acres. If improvements are not made, these systems pose a potential public safety hazard and flood risk. These improvements provide adequate capacity based on growth and stabilization. Projects are divided between the Plum Creek Basin (PC) and the Cherry Creek Basin (CC). This project helps Castle Rock Water provide high quality water service to Town residents and businesses by managing stormwater runoff and flood risks. Funding for these improvements is split between stormwater charges and system development fees to account for existing infrastructure needs and impacts due to growth.

Expenditures	2023	2024	2025	2026	2027	Total
Minor Drainage Way Stab PC	\$ 107,740	\$ 111,507	\$ 115,193	\$ 118,900	\$ 122,606	\$ 575,946
Minor Drainage Way Stab CC	89,870	93,018	96,093	99,186	102,278	480,445
Minor Drainageway Master Plan	84,820	-	-	-	-	84,820
<b>Total Expenditures</b>	<b>\$ 282,430</b>	<b>\$ 204,525</b>	<b>\$ 211,286</b>	<b>\$ 218,086</b>	<b>\$ 224,884</b>	<b>\$ 1,141,211</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Stormwater Charges	\$ 180,390	\$ 127,912	\$ 132,145	\$ 136,395	\$ 140,646	\$ 717,488
System Development Fees	102,040	76,613	79,141	81,691	84,238	423,723
<b>Total Funding Sources</b>	<b>\$ 282,430</b>	<b>\$ 204,525</b>	<b>\$ 211,286</b>	<b>\$ 218,086</b>	<b>\$ 224,884</b>	<b>\$ 1,141,211</b>

### Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Stream Stabilization

Project Number: Multiple

Contact: David Van Dellen, Stormwater Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Repair

Useful Life: 50 years

5 Year Historical Total \$ 1,994,377

2023-2027 Total 17,715,575

**CIP Project Total (2018-2027): \$ 19,709,952**

### Description and Justification

This project includes stream channel stabilization throughout Castle Rock. Tributaries are part of the major drainageway networks that include watersheds with an upstream area greater than 130 acres, also known as the 100-year floodplain. These projects were identified in the 2017 Stormwater Master Plan as a scheduled activity. Stream improvements generally include natural or engineered segments of vegetated stream. Improvements also ensure adequate flood capacity in the channel to reduce flood potential for adjacent properties. Improvements to the natural drainageway are required to mitigate development impacts that accelerate erosion and pose a potential public safety hazard if left unattended over time. This project will restore a sustainable channel system for water quality and flood control. The improvements will reduce channel erosion and protect adjacent property from loss during flooding. Projects are divided between the Plum Creek Basin (PC) and the Cherry Creek Basin (CC). This project helps Castle Rock Water provide high quality water service to Town residents and businesses by managing stormwater runoff and flood risks. Funding for these improvements is split between stormwater charges and system development fees to account for existing infrastructure needs and impacts due to growth. Stream Stabilization projects are listed below by year:

**2023** - McMurdo Gulch, 6400 East, Sellars Gulch, Gambel Ridge

**2024** - McMurdo Gulch, Sellars Gulch, East Plum Creek

**2025** - Parkview Tributary, East Plum Creek, 6400 South

**2026** - Parkview Tributary, Tributary D, McMurdo Gulch, East Plum Creek, Tributary D

**2027** - Tributary C, Tributary D, McMurdo Gulch

Expenditures	2023	2024	2025	2026	2027	Total
Total Drainage Way Stabilization PC	\$ 4,110,010	\$ 807,450	\$ 3,516,620	\$ 4,047,130	\$ 606,865	\$ 13,088,075
Total Drainage Way Stabilization CC	330,000	3,297,500	-	250,000	750,000	4,627,500
<b>Total Expenditures</b>	<b>\$ 4,440,010</b>	<b>\$ 4,104,950</b>	<b>\$ 3,516,620</b>	<b>\$ 4,297,130</b>	<b>\$ 1,356,865</b>	<b>\$ 17,715,575</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Stormwater Charges	\$ 46,165	\$ 252,760	\$ 1,176,570	\$ 485,570	\$ 496,000	\$ 2,457,065
System Development Fees	4,393,845	3,852,190	2,340,050	3,811,560	860,865	15,258,510
<b>Total Funding Sources</b>	<b>\$ 4,440,010</b>	<b>\$ 4,104,950</b>	<b>\$ 3,516,620</b>	<b>\$ 4,297,130</b>	<b>\$ 1,356,865</b>	<b>\$ 17,715,575</b>

### Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Detention Pond Retrofits

Project Number: 77-18

Contact: David Van Dellen, Stormwater Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Upgrade

Useful Life: 50 years

5 Year Historical Total \$ 1,415,234

2023-2027 Total 340,080

**CIP Project Total (2018-2027): \$ 1,755,314**

### Description and Justification

This project includes regional detention pond retrofits to facilities that demonstrate an excessive operation and maintenance burden on the program. Generally, older water quality and detention facilities require upgrades to the outflow structure and other pond features to improve runoff circulation through the facility and reduce clogging potential. Ponds are evaluated on an ongoing basis and projects are identified as needed. This project helps Castle Rock Water provide high quality water service to Town residents and businesses by managing stormwater runoff and flood risks. Funding for this project is from monthly service charges to address existing infrastructure needs.

Expenditures	2023	2024	2025	2026	2027	Total
Detention Ponds	\$ 63,610	\$ 65,840	\$ 68,020	\$ 70,210	\$ 72,400	\$ 340,080

<b>Total Expenditures</b>	<b>\$ 63,610</b>	<b>\$ 65,840</b>	<b>\$ 68,020</b>	<b>\$ 70,210</b>	<b>\$ 72,400</b>	<b>\$ 340,080</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Stormwater Charges	\$ 63,610	\$ 65,840	\$ 68,020	\$ 70,210	\$ 72,400	\$ 340,080

<b>Total Funding Sources</b>	<b>\$ 63,610</b>	<b>\$ 65,840</b>	<b>\$ 68,020</b>	<b>\$ 70,210</b>	<b>\$ 72,400</b>	<b>\$ 340,080</b>
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### Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Watershed Master Plan Updates

Project Number: 78-74

Contact: David Van Dellen, Stormwater Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Upgrade

Useful Life: Perpetual

5 Year Historical Total \$ -

2023-2027 Total 917,810

**CIP Project Total (2018-2027): \$ 917,810**

### Description and Justification

The Stormwater Capital Program includes updating 19 Major Drainageway Master Plans (MP) covering over 71 miles of floodplain system. Periodic updates to these plans are required to account for changes in watershed hydrology, stream stability assessment, and capital plan prioritization. It is estimated that approximately four plans will be updated annually over a five year period. A master plan GIS database tool is needed to support modeling efforts, track capital completion status, and facilitate coordination with other stakeholder projects. This project helps Castle Rock Water provide high quality water service to Town residents and businesses by managing stormwater runoff and flood risks. Funds are allocated between rates and fees based on impacts estimated from existing development and growth.

Expenditures	2023	2024	2025	2026	2027	Total
Watershed MP Updates	\$ 254,450.00	\$ 263,360.00	\$ 400,000.00	-	\$ -	\$ 917,810

<b>Total Expenditures</b>	<b>\$ 254,450</b>	<b>\$ 263,360</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 917,810</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Stormwater Charges	\$ 150,050	\$ 155,300	\$ 235,878	\$ -	\$ -	\$ 541,228
System Development Fees	104,400	108,060	164,122	-	-	376,582

<b>Total Funding Sources</b>	<b>\$ 254,450</b>	<b>\$ 263,360</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 917,810</b>
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### Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Storm Sewer Rehabilitation

Project Number: Multiple

Contact: David Van Dellen, Stormwater Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Repair

Useful Life: 20-50 years

5 Year Historical Total \$ 409,336

2023-2027 Total 2,742,380

**CIP Project Total (2018-2027): \$ 3,151,716**

### Description and Justification

This program is required to address aging stormwater infrastructure. Existing corrugated metal pipe (CMP) has an average life expectancy of 30 years and reinforced concrete pipe (RCP) has an average life expectancy of 50 years. If a pipe fails due to corrosion or collapse this will result in subgrade failure in pavement above the pipe. This program will help ensure rehabilitation to existing storm sewer systems prior to infrastructure failure and prolong the life of the system by 20 to 50 years. Groundwater Infrastructure funding for underdrain installations is allocated to assist with excessive dry weather water over sidewalks and impacting streets in residential subdivisions. Funding for this project is from monthly service charges to address existing infrastructure needs.

Expenditures	2023	2024	2025	2026	2027	Total
Storm Sewer Rehabilitation	\$ 305,350	\$ 316,030	\$ 326,480	\$ 336,990	\$ 347,500	\$ 1,632,350
Groundwater Infrastructure	207,000	214,250	221,740	229,500	237,540	1,110,030
<b>Total Expenditures</b>	<b>\$ 512,350</b>	<b>\$ 530,280</b>	<b>\$ 548,220</b>	<b>\$ 566,490</b>	<b>\$ 585,040</b>	<b>\$ 2,742,380</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Stormwater Charges	\$ 512,350	\$ 530,280	\$ 548,220	\$ 566,490	\$ 585,040	\$ 2,742,380
<b>Total Funding Sources</b>	<b>\$ 512,350</b>	<b>\$ 530,280</b>	<b>\$ 548,220</b>	<b>\$ 566,490</b>	<b>\$ 585,040</b>	<b>\$ 2,742,380</b>

### Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### WASTEWATER FUND

### CASTLE ROCK WATER

### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Lift Station Upgrades	\$ 920,000	\$ 370,000	\$ 370,000	\$ 420,000	\$ 370,000	\$ 2,450,000
Sewer Line Rehabilitation	450,000	2,400,000	2,400,000	2,400,000	2,400,000	10,050,000
Security System Improvements	372,000	229,000	310,000	25,000	25,000	961,000
PCWRA Projects	480,000	480,000	480,000	480,000	480,000	2,400,000
Plum Creek Interceptors	4,000,000	-	-	-	-	4,000,000
Kinner Street Bottleneck	-	-	-	200,000	-	200,000
Advanced Metering Infrastructure	902,690	848,470	849,930	50,500	-	2,651,590
<b>Total Expenditures by Year</b>	<b>\$ 7,124,690</b>	<b>\$ 4,327,470</b>	<b>\$ 4,409,930</b>	<b>\$ 3,575,500</b>	<b>\$ 3,275,000</b>	<b>\$ 22,712,590</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Wastewater Service Charges	\$ 3,124,690	\$ 4,327,470	\$ 4,409,930	\$ 3,575,500	\$ 3,275,000	\$ 18,712,590
System Development Fees	4,000,000	-	-	-	-	4,000,000
<b>Total Funding Sources by Year</b>	<b>\$ 7,124,690</b>	<b>\$ 4,327,470</b>	<b>\$ 4,409,930</b>	<b>\$ 3,575,500</b>	<b>\$ 3,275,000</b>	<b>\$ 22,712,590</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



Water Treatment Process Facility

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Lift Station Upgrades

Project Number: Multiple

Contact: Roy Gallea, Engineering Manager

Department: Castle Rock Water

Category: Equipment

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$ 26,622

2023-2027 Total 2,450,000

**CIP Project Total (2018-2027): \$ 2,476,622**

### Description and Justification

The Lift Station Upgrades project is intended to accommodate multiple improvements to the Town's lift stations. The purpose of the pump and motor replacement project is to plan for the capital replacement of pumps and/or motors at wastewater lift stations. The lift stations transport wastewater over high points in the wastewater collection system to the Plum Creek Wastewater Reclamation Authority for treatment. Pump and motor replacements are identified annually or on an emergency basis.

Pumps and motors at wastewater lift stations have a finite service life and replacement must be planned on an ongoing basis. Employee safety and year round access to the lift station are accommodated through paving projects, since lift stations are typically checked multiple times per week. These projects address the community need of providing a safe and reliable wastewater collection system.

Variable Frequency Drive (VFD) replacement is needed at Wastewater facilities to replace VFD's which are obsolete.

Lift Station paving is needed to replace pavement at the Maher Lift Station access road in 2022.

Expenditures	2023	2024	2025	2026	2027	Total
Lift Station Rehab/Replacement	\$ 50,000	\$ 50,000	\$ 50,000	\$ 100,000	\$ 50,000	\$ 300,000
Lift Station Pump and Motor Replacements	100,000	100,000	100,000	100,000	100,000	500,000
WW Facility VFD Replacement	220,000	220,000	220,000	220,000	220,000	1,100,000
Castle Oaks Lift Station Upgrade	500,000	-	-	-	-	500,000
LiftStation Paving Project	50,000	-	-	-	-	50,000
<b>Total Expenditures</b>	<b>\$ 920,000</b>	<b>\$ 370,000</b>	<b>\$ 370,000</b>	<b>\$ 420,000</b>	<b>\$ 370,000</b>	<b>\$ 2,450,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Wastewater Service Charges	\$ 920,000	\$ 370,000	\$ 370,000	\$ 420,000	\$ 370,000	\$ 2,450,000
<b>Total Funding Sources</b>	<b>\$ 920,000</b>	<b>\$ 370,000</b>	<b>\$ 370,000</b>	<b>\$ 420,000</b>	<b>\$ 370,000</b>	<b>\$ 2,450,000</b>

### Operational Impact

Improvements and replacements to equipment typically result in reduced maintenance costs, which are unknown until project implementation and will be incorporated at that time.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Sewer Line Rehabilitation

Project Number: 75-62

Contact: Roy Gallea, Engineering Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Repair

Useful Life: 50 years

5 Year Historical Total \$ 13,755,228

2023-2027 Total 10,050,000

**CIP Project Total (2018-2027): \$ 23,805,228**

### Description and Justification

This project is intended to rehabilitate or replace existing sewer lines due to age or failing infrastructure. This is an ongoing program and areas of focus are identified annually. The Engineering Division will work with the Operations Division to identify areas that need sewer improvements and coordinate with the Public Works Department to complete projects ahead of the Pavement Maintenance Program to minimize the impact of Townwide roadwork. The sewer rehabilitation program will address the requirements of Environmental Protection Agency's (EPA) Capacity, Management, Operation, and Maintenance (CMOM) programs. Prestwick Sewer will be replacing aging sanitary infrastructure at the same time we are replacing the aging waterline infrastructure.

Expenditures	2023	2024	2025	2026	2027	Total
Prestwick Sewer Laterals	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ 450,000
Sewer Line Rehab/Replacement	-	2,400,000	2,400,000	2,400,000	2,400,000	9,600,000
<b>Total Expenditures</b>	<b>\$ 450,000</b>	<b>\$ 2,400,000</b>	<b>\$ 2,400,000</b>	<b>\$ 2,400,000</b>	<b>\$ 2,400,000</b>	<b>\$ 10,050,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Wastewater Service Charges	\$ 450,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$ 10,050,000
<b>Total Funding Sources</b>	<b>\$ 450,000</b>	<b>\$ 2,400,000</b>	<b>\$ 2,400,000</b>	<b>\$ 2,400,000</b>	<b>\$ 2,400,000</b>	<b>\$ 10,050,000</b>

### Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Security System Improvements

Project Number: 75-36

Contact: Tim Friday, Assistant Director of Castle Rock Water

Department: Castle Rock Water

Category: Building

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$ 234,217

2023-2027 Total 961,000

**CIP Project Total (2018-2027): \$ 1,195,217**

### Description and Justification

These miscellaneous projects are needed to increase security at wastewater facilities in accordance with the Risk and Resiliency Assessment. The assessment identifies security and system integrity needs that may present a risk to public health and safety. These various projects include installing or replacing electronic access control, locks, and surveillance as needed at all wastewater facilities. Security at all Town of Castle Rock facilities is important for safeguarding investments in infrastructure and ensuring employee safety. Supervisory Control and Data Acquisition (SCADA) upgrades ensure that facilities can be monitored and controlled remotely.

<b>Expenditures</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
SCADA System Improvements	\$ 347,000	\$ 204,000	\$ 285,000	\$ -	\$ -	\$ 836,000
Security Improvements	25,000	25,000	25,000	25,000	25,000	125,000
<b>Total Expenditures</b>	<b>\$ 372,000</b>	<b>\$ 229,000</b>	<b>\$ 310,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 961,000</b>

<b>Funding Sources</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Wastewater Service Charges	\$ 372,000	\$ 229,000	\$ 310,000	\$ 25,000	\$ 25,000	\$ 961,000
<b>Total Funding Sources</b>	<b>\$ 372,000</b>	<b>\$ 229,000</b>	<b>\$ 310,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 961,000</b>

### Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### PCWRA Projects

Project Number: Multiple

Contact: Roy Gallea, Engineering Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Replacement

Useful Life: 50 years

5 Year Historical Total \$ -

2023-2027 Total 2,400,000

**CIP Project Total (2018-2027): \$ 2,400,000**

### Description and Justification

The Town of Castle Rock does not perform wastewater treatment. The Plum Creek Water Reclamation Authority (PCWRA) is a regional reclamation facility that serves the Town of Castle Rock, Castle Pines, and Castle Pines North. The capital buy-in project accommodates the Town of Castle Rock's significant share of PCWRA debt which includes two Colorado Water Resources and Power Development Authority (2001 and 2002) loans and Clean Water Revenue Bonds Series 2005 for capacity expansion and treatment. This project also provides funding for capital repair and replacement including replacement of pumps, motors, blowers, and general facilities maintenance.

<b>Expenditures</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
PCWRA Rehab/Replacement	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 2,400,000
<b>Total Expenditures</b>	<b>\$ 480,000</b>	<b>\$ 480,000</b>	<b>\$ 480,000</b>	<b>\$ 480,000</b>	<b>\$ 480,000</b>	<b>\$ 2,400,000</b>

<b>Funding Sources</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Wastewater Service Charges	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 2,400,000
<b>Total Funding Sources</b>	<b>\$ 480,000</b>	<b>\$ 480,000</b>	<b>\$ 480,000</b>	<b>\$ 480,000</b>	<b>\$ 480,000</b>	<b>\$ 2,400,000</b>

### Operational Impact

Operating expenditures for PCWRA are included in the capital buy-in payments displayed above.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Plum Creek Interceptors

Project Number: 75-92, 77-64

Contact: Roy Gallea, Engineering Manager

Department: Castle Rock Water

Category: Equipment

Type: Upgrade

Useful Life: 50 years

5 Year Historical Total \$ 30,602

2023-2027 Total 4,000,000

**CIP Project Total (2018-2027): \$ 4,030,602**

### Description and Justification

This project will provide for the need to upsize the sewer system along Prairie Hawk Drive. The original sewer line (interceptor) must be upsized to 18 or 21 inches along Prairie Hawk Drive south of Wolfensberger to meet future wastewater flows generated by growth in the Town. This interceptor would serve the proposed development at Miller's Landing, Castle Meadows, and Dawson Trails, and could potentially be delayed based on the pace of development in the area. Plum Creek Interceptor requires upsizing in areas to accommodate future development.

Expenditures	2023	2024	2025	2026	2027	Total
Plum Creek Interceptor Upsize	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000

<b>Total Expenditures</b>	<b>\$ 4,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,000,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
System Development Fees	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000

<b>Total Funding Sources</b>	<b>\$ 4,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,000,000</b>
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### Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Kinner Street Bottleneck

Project Number: 75-81

Contact: Roy Gallea, Engineering Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Upgrade

Useful Life: 50 years

5 Year Historical Total \$ -

2023-2027 Total 200,000

**CIP Project Total (2018-2027): \$ 200,000**

### Description and Justification

This project is to upsize nearly 3,000 linear feet of existing 18 and 21-inch sanitary sewer mains to 21 and 24-inch on Kinner Street. This project involves a broad crossing of I-25, East Plum Creek, and Wolfensberger Road. Hydraulic modeling does not indicate capacity issues at this time. However, increasing density downtown Lanterns, and Crystal Valley Ranch could have an impact. The sewer main may need rehabilitation instead of full replacement.

Expenditures	2023	2024	2025	2026	2027	Total
Kinner Street Bottleneck	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000

<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Wastewater Service Charges	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000

<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>
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### Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Advanced Metering Infrastructure

Project Number: 77-15

Contact: Nichol Bussey, Business Solutions Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Upgrade

Useful Life: 20 years

5 Year Historical Total \$ -

2023-2027 Total 2,651,590

**CIP Project Total (2018-2027): \$ 2,651,590**

### Description and Justification

This capital project is for design, planning, and implementation of Advanced Metering Infrastructure (AMI). Currently meter reads are performed once a month on the 1st-3rd of every month via drive by technology. This AMI technology would provide radio reads via tower technology with the frequency desired without the need to roll a truck. To reach full implementation and functionality approximately 13k meters would need to be upgraded to smart meter technology. Several Meter Transceiver Units (MXUs), which are the transmitters would also need to be upgraded from "R" radios to "M" radios, approximately 13k units. Staff has already been putting in the smart meters and upgraded MXU's in each new build as well as replacing existing infrastructure with the new technology as needed. An assumption in the total costs is the rollout of the newest technology for residential accounts called the Ally ¾" Meter. This meter provides remote disconnection and reconnection via tower technology. It not only provides alerts to the customer for water usage, leak detection, pressure and temperature, but also helps identify possible issues in the distribution system. In addition to the replacement of the meters and MXUs, costs also included are for purchase and installation of three towers, three gateway base stations, two remote collectors, demand meter management software and analytics software.

Expenditures	2023	2024	2025	2026	2027	Total
Advanced Metering Infrastructure	\$ 902,690	\$ 848,470	\$ 849,930	\$ 50,500	\$ -	\$ 2,651,590

<b>Total Expenditures</b>	<b>\$ 902,690</b>	<b>\$ 848,470</b>	<b>\$ 849,930</b>	<b>\$ 50,500</b>	<b>\$ -</b>	<b>\$ 2,651,590</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Wastewater Service Charges	\$ 902,690	\$ 848,470	\$ 849,930	\$ 50,500	\$ -	\$ 2,651,590

<b>Total Funding Sources</b>	<b>\$ 902,690</b>	<b>\$ 848,470</b>	<b>\$ 849,930</b>	<b>\$ 50,500</b>	<b>\$ -</b>	<b>\$ 2,651,590</b>
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### Operational Impact

Recurring costs include annual software maintenance costs and one FTE for an AMI coordinator/meter demand management.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### FLEET SERVICES FUND

#### PUBLIC WORKS DEPARTMENT

#### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Vehicles and Equipment	\$ 3,587,103	\$ 2,887,295	\$ 2,791,631	\$ 3,114,447	\$ 2,945,570	\$ 15,326,046
<b>Total Expenditures by Year</b>	<b>\$ 3,587,103</b>	<b>\$ 2,887,295</b>	<b>\$ 2,791,631</b>	<b>\$ 3,114,447</b>	<b>\$ 2,945,570</b>	<b>\$ 15,326,046</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Vehicle Replacement Contributions	\$ 2,909,217	\$ 2,345,911	\$ 2,401,393	\$ 2,621,596	\$ 2,537,396	\$ 12,815,513
Vehicle Salvage	382,086	336,384	325,238	362,851	343,174	1,749,733
Transfers from Other Funds	295,800	205,000	65,000	130,000	65,000	760,800
<b>Total Funding Sources by Year</b>	<b>\$ 3,587,103</b>	<b>\$ 2,887,295</b>	<b>\$ 2,791,631</b>	<b>\$ 3,114,447</b>	<b>\$ 2,945,570</b>	<b>\$ 15,326,046</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*

#### Summary of 2023 Vehicle Additions

Department	Make & Model	Estimated Cost	Justification
Police	Ford Utility	65,000	The Police Department requests one additional vehicle related to the addition of one Community Action Team (CAT) officer.
Police	Ford Utility	65,000	The Police Department requests one additional vehicle related to the addition of one Community Action Team (CAT) officer.
Parks and Recreation	Ford Ranger	34,000	The Parks and Recreation Department requests one additional vehicle for Parks Planning Staff.
Castle Rock Water	Ford F-150	42,800	Castle Rock Water requests one additional vehicle related to the addition of one Stormwater Inspector.
Castle Rock Water	Ford F-150	42,000	Castle Rock Water requests one additional vehicle related to the addition of one SCADA Instrumentation Technician.
Castle Rock Water	Ford F-150	49,800	Castle Rock Water requests one additional vehicle related to the addition of one Collection System Operator.
<b>Total</b>		<b>\$ 298,600</b>	

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Vehicles and Equipment

Project Number: 70-40

Contact: Paul Colell, Fleet Manager

Department: Public Works Department

Category: Vehicles

Useful Life: 4-15 years

5 Year Historical Total \$ 12,497,591

2023-2027 Total 15,326,046

**CIP Project Total (2018-2027): \$ 27,823,637**

### Description and Justification

The vehicle replacement program is funded through departmental contributions made to the Fleet Fund, which is an internal service fund intended for replacement and maintenance of Town vehicles and equipment. Departments that operate vehicles and equipment enrolled in the vehicle replacement program budget vehicle replacement contributions annually for the purpose of replacing existing units. The units in the following pages include vehicles scheduled for replacement. However, vehicles and equipment lives may be extended or replaced earlier if necessary. The inflation rate assumed for future vehicle purchases varies by vehicle type, with an average of about three percent. In accordance with the Town's vehicle replacement policy, unit age, usage, and historical maintenance costs are used to determine the replacement timing of vehicles and equipment in the program. The Town uses the best practice method recommended by the American Public Works Association. Other factors include type of use, operating weather conditions, and operating terrain. Once a vehicle has met the replacement criteria, there is a thorough review process by Fleet management, the operating department, and the Fleet Advisory Committee to determine if the vehicle should be replaced, retained for limited use, or to extend the vehicles life cycle. Because vehicles may be equipped with different equipment based upon their usage, the cost for similar vehicles will vary. Additionally, three percent of the total anticipated vehicle purchase amount is budgeted in order to accommodate unforeseen variances in vehicle purchase amounts.

The following pages detail the requested replacements and additions to the Town's fleet by department.

<b>Expenditures</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Vehicles & Equipment	\$ 3,587,103	\$ 2,887,295	\$ 2,791,631	\$ 3,114,447	\$ 2,945,570	\$ 15,326,046
<b>Total Expenditures</b>	<b>\$ 3,587,103</b>	<b>\$ 2,887,295</b>	<b>\$ 2,791,631</b>	<b>\$ 3,114,447</b>	<b>\$ 2,945,570</b>	<b>\$ 15,326,046</b>
<b>Funding Sources</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Vehicle Replacement Contributions	\$ 2,909,217	\$ 2,345,911	\$ 2,401,393	\$ 2,621,596	\$ 2,537,396	\$ 12,815,513
Vehicle Salvage	382,086	336,384	325,238	362,851	343,174	1,749,733
Transfers from Other Funds	295,800	205,000	65,000	130,000	65,000	760,800
<b>Total Funding Sources</b>	<b>\$ 3,587,103</b>	<b>\$ 2,887,295</b>	<b>\$ 2,791,631</b>	<b>\$ 3,114,447</b>	<b>\$ 2,945,570</b>	<b>\$ 15,326,046</b>

### Operational Impact

Increases in operational expenditures, including gasoline and maintenance for 2023 are primarily related to vehicle additions, and are estimated to be approximately \$12,000 and budgeted within the appropriate department. Additional amounts are included for operational needs.

2023 Schedule of Vehicle & Equipment Purchase				
Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *	
<b>Facilities Department</b>				
Trucks, Medium Duty	Ford F-350 SD	\$ 6,473	\$ 53,943	
<b>Total Facilities Department</b>	<b>1</b>	<b>\$ 6,473</b>	<b>\$ 53,943</b>	
<b>Police Department</b>				
SUV, Police Patrol	Ford Utility AWD	8,785	73,206	
SUV, Public Safety, Police, Fire	Ford Utility AWD	6,070	50,583	
SUV, Police Patrol	Ford Utility AWD	8,183	68,192	
SUV, Public Safety, Police, Fire	Ford Utility AWD	6,078	50,651	
SUV, Police Patrol	Ford Utility AWD	8,180	68,166	
SUV, Public Safety, Police, Fire	Ford Utility AWD	6,110	50,916	
SUV, Police Patrol	Ford Utility AWD	8,180	68,166	
SUV, Police Patrol	Ford Utility AWD	8,802	73,349	
SUV, Public Safety, Police, Fire	Ford Utility AWD	6,502	54,182	
SUV, Public Safety, Police, Fire	Ford Utility AWD	6,503	54,188	
SUV, Public Safety, Police, Fire	Ford Utility AWD	6,100	50,833	
SUV, Public Safety, Police, Fire	Ford Utility AWD	6,016	50,136	
<b>SUV, Public Safety, Police, Fire</b>	<b>Ford Utility AWD</b>		<b>65,000</b>	
<b>SUV, Public Safety, Police, Fire</b>	<b>Ford Utility AWD</b>		<b>65,000</b>	
<b>Total Police Department</b>	<b>14</b>	<b>\$ 85,509</b>	<b>\$ 842,568</b>	
<b>Fire Department</b>				
Fire, Response, Ambulance	Ford F-450	28,266	235,552	
Trucks, Medium Duty	Chevrolet Silverado 3500	7,398	61,646	
SUV, Public Safety, Police, Fire	Ford Expedition	9,999	83,325	
SUV, Public Safety, Police, Fire	Ford Expedition	6,861	57,174	
<b>Total Fire Department</b>	<b>4</b>	<b>\$ 52,524</b>	<b>\$ 437,697</b>	
<b>Development Services Department</b>				
SUV, General Purpose, Light Duty	Ford Escape SE	4,027	33,559	
SUV, General Purpose, Light Duty	Ford Escape SE	3,909	32,575	
SUV, General Purpose, Light Duty	Ford Escape SE	3,922	32,681	
SUV, General Purpose, Light Duty	Ford Escape SE	3,910	32,587	
SUV, General Purpose, Light Duty	Ford Escape SE	4,026	33,548	
SUV, General Purpose, Light Duty	Ford Escape SE	3,727	31,060	
<b>Total Development Services Department</b>	<b>6</b>	<b>\$ 23,521</b>	<b>\$ 196,010</b>	

\* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2023 Schedule of Vehicle & Equipment Purchase			
Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
<b>Transportation Fund</b>			
Heavy Equipment, Off-Road, Loaders, Tractors, Graders	John Deere 4720	\$ 8,599	\$ 71,659
Heavy Equipment Off-Road, Loaders, Tractors, Graders	Caterpillar 143H	47,134	392,787
Equipment, Off-Road, Loaders, Tractors, Graders	Miller Bobcat 250NT	790	6,579
Trucks, Light Duty	Ford F-150	4,139	34,492
Trucks, Light Duty	Ford F-150 SSV	4,948	41,237
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	22,807	190,056
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	22,807	190,056
Trucks, Medium Duty	Ford F-350 SD	7,149	59,573
Trucks, Medium Duty	Ford F-350 SD	7,394	61,617
Trucks, Medium Duty	Ford F-250 SD	5,158	42,980
Trucks, Medium Duty	Ford F-350 SD	7,567	63,057
<b>Total Transportation Fund</b>	<b>11</b>	<b>\$ 138,492</b>	<b>\$ 1,154,093</b>
<b>Parks &amp; Recreation Department</b>			
Equipment, Off-Road, Loaders, Tractors, Graders	Bobcat 5600	8,571	71,429
Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows	John Deere HPX 4x4	1,527	12,726
Trucks, Light Duty	Ford F-150	3,502	29,180
Trucks, Light Duty	Ford F-150	3,669	30,577
Equipment, Off-Road, Loaders, Tractors, Graders	Kubota RTV400CI-H	1,352	11,264
Equipment, Off-Road, Loaders, Tractors, Graders	Kubota RTV400CI-H	1,315	10,956
Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows	Toro 4300-D	7,913	65,939
<b>Trucks, Light Duty</b>	<b>Ford Ranger</b>		<b>34,000</b>
<b>Total Parks &amp; Recreation Department</b>	<b>8</b>	<b>\$ 27,849</b>	<b>\$ 266,071</b>
<b>Community Center Fund</b>			
Vans < 10K GVWR Passenger/Cargo	Ford E-350 SD	4,214	35,114
Vans < 10K GVWR Passenger/Cargo	Ford E-350 SD	4,195	34,961
<b>Total Community Center Fund</b>	<b>2</b>	<b>\$ 8,409</b>	<b>\$ 70,076</b>
<b>Castle Rock Water Department</b>			
Trucks, Medium Duty	Chevrolet C-5500	14,886	124,046
Trucks, Light Duty	Ford F-150	3,554	29,616
Trailers Medium, Light	Wacker LTC 4L	1,724	14,364
SUV, General Purpose, Light Duty	Ford Explorer	4,980	41,502
Trucks, Light Duty	Ford F-150	4,369	36,408
Trucks, Medium Duty	Ford F-350 SD	9,796	81,630
<b>Trucks, Light Duty</b>	<b>Ford F-150</b>		<b>42,800</b>
<b>Trucks, Light Duty</b>	<b>Ford F-150</b>		<b>42,000</b>
<b>Trucks, Light Duty</b>	<b>Ford F-150</b>		<b>49,800</b>
<b>Total Castle Rock Water Department</b>	<b>9</b>	<b>\$ 39,309</b>	<b>\$ 462,166</b>
<b>Total - All Departments</b>		<b>\$ 382,086</b>	<b>\$ 3,482,624</b>
<b>3% Contingency</b>			<b>104,479</b>
<b>2023 Vehicle &amp; Equipment Replacement Total</b>	<b>55</b>	<b>\$ 382,086</b>	<b>\$ 3,587,103</b>

\* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2024 Schedule of Vehicle & Equipment Purchase				
Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *	
<b>Facilities Department</b>				
Trucks, Medium Duty	Ford F-250 SD	\$ 5,483	\$ 45,690	
<b>Total Facilities Department</b>	<b>1</b>	<b>\$ 5,483</b>	<b>\$ 45,690</b>	
<b>Police Department</b>				
SUV, Police Patrol	Ford Utility AWD	8,755	72,961	
SUV, Police Patrol	Ford Utility AWD	9,184	76,531	
SUV, Police Patrol	Ford Utility AWD	8,912	74,265	
SUV, Police Patrol	Ford Utility AWD	8,755	72,957	
SUV, Police Patrol	Ford Utility AWD	9,199	76,659	
SUV, Public Safety, Police, Fire	Ford Utility AWD	9,097	75,810	
SUV, Public Safety, Police, Fire	Ford Utility AWD	8,334	69,454	
SUV, Public Safety, Police, Fire	Ford Utility AWD	6,584	54,867	
SUV, Public Safety, Police, Fire	Ford Utility AWD	6,568	54,735	
SUV, Public Safety, Police, Fire	Fore Escape SE	3,654	30,446	
SUV, Police Patrol	Ford Utility AWD	8,687	72,390	
<b>Total Police Department</b>	<b>11</b>	<b>\$ 87,729</b>	<b>\$ 731,075</b>	
<b>Fire Department</b>				
Fire, Response, Ambulance	Ford F-450	28,939	241,156	
SUV, Public Safety, Police, Fire	Ford Explorer	4,718	39,317	
SUV, Public Safety, Police, Fire	Ford Explorer	4,718	39,317	
SUV, Public Safety, Police, Fire	Ford Utility Interceptor	6,088	50,734	
<b>Total Fire Department</b>	<b>4</b>	<b>\$ 44,463</b>	<b>\$ 370,523</b>	
<b>Development Services</b>				
Trucks, Light Duty	Ford F-150	3,766	31,379	
Trucks, Light Duty	Ford F-150	3,990	33,251	
Trucks, Light Duty	Ford F-150	3,624	30,200	
Trucks, Light Duty	Ford F-150	3,926	32,714	
<b>Total Development Services Fund</b>	<b>4</b>	<b>\$ 15,306</b>	<b>\$ 127,545</b>	

\* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2024 Schedule of Vehicle & Equipment Purchase				
Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *	
Transportation Fund				
Heavy Equipment Off-Road, Loaders, Tractors, Graders	Volvo BL70B	\$ 14,653	\$	122,111
Sweepers	Schwarze A7000	35,867		298,895
Medium Duty Equipment, Sweepers	Freightliner	41,338		344,482
Trucks, Light Duty	Ford F-150 SSV	4,566		38,048
Total Transportation Fund	4	\$ 96,424	\$	803,536
Parks & Recreation Department				
Trucks, Medium Duty	Ford F-250 SD	5,294		44,116
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Z-Master 5000	1,680		14,002
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Kohler Pro-EFI	1,375		11,457
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Z-Master 5000	1,680		14,002
Trailers Medium, Light	Vermeer BC1400XL	7,393		61,611
Trucks, Light Duty	Ford F-150	4,343		36,190
Total Parks & Recreation Department	6	\$ 21,765	\$	181,377
Golf Department				
Trucks, Light Duty	Chevrolet Colorado	3,986		33,215
Total Golf Department	1	\$ 3,986	\$	33,215
Community Center Fund				
Vans < 10K GVWR Passenger/Cargo	Ford E-350 SD	4,556		37,969
Total Community Center Department	1	\$ 4,556	\$	37,969
Castle Rock Water Department				
Trucks, Light Duty	Ford F-150	4,922		41,019
Trailers Medium, Light	Cornell 3HC-RP-EM16	13,270		110,587
Sedan General Purpose	Chevrolet Impala LS	3,446		28,716
Trucks, Light Duty	Ford F-150 SSV	3,807		31,722
Equipment, Off-Road, Loaders, Tractors, Graders	Vermeer S800TX	5,741		47,841
Trucks, Light Duty	Ford F-150 SSV	4,594		38,280
Trucks, Light Duty	Ford F-150 SSV	4,868		40,568
Equipment, Off-Road, Loaders, Tractors, Graders	Vermeer S800TX	4,115		34,296
Trucks, Medium Duty	Ford F-350 SD	6,739		56,160
Trucks, Light Duty	Ford F-150	5,170		43,081
Total Castle Rock Water Department	10	\$ 56,672	\$	472,269
Total - All Departments		\$ 336,384	\$	2,803,199
3% Contingency				84,096
2024 Vehicle & Equipment Replacement Total	42	\$ 336,384	\$	2,887,295

\* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department



2025 Schedule of Vehicle & Equipment Purchase				
Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *	
Facilities Department				
Trucks, Medium Duty	Ford F-150	\$ 6,572	\$ 54,763	
Trucks, Light Duty	Ford F-350 SD	4,926	41,053	
Total Facilities Department	2	\$ 11,498	\$ 95,816	
Police Department				
SUV, Police Patrol	Ford Utility AWD	8,701	72,507	
SUV, Police Patrol	Ford Utility AWD	9,436	78,631	
Trucks, Light Duty	Ford F-150 SSV	7,568	63,065	
SUV, Police Patrol	Ford Utility AWD	8,619	71,827	
SUV, Police Patrol	Ford Utility AWD	9,436	78,637	
SUV, Public Safety, Police, Fire	Ford Expedition	8,615	71,789	
SUV, Public Safety, Police, Fire	Ford Utility AWD	8,394	69,948	
Equipment, Off-Road, Loaders, Tractors, Graders	Polaris Ranger 800	3,120	26,001	
Total Police Department	8	\$ 63,889	\$ 532,405	
Fire Department				
Trucks, Light Duty	Ford F-150	7,797	64,973	
Trucks, Medium Duty	GMC Sierra 2500HD	9,482	79,019	
Fire Response, Brush Trucks, Hazmat	Dodge Ram 5500	31,189	259,912	
Equipment, Off-Road, Loaders, Tractors, Graders	John Deere 855D Gator	3,654	30,451	
Total Fire Department	4	\$ 52,122	\$ 434,354	
Development Services				
SUV, General Purpose, Light Duty	Ford Escape SE	3,538	29,483	
SUV, General Purpose, Light Duty	Ford Escape SE	3,996	33,297	
Total Development Services Fund	2	\$ 7,534	\$ 62,780	
Transportation Fund				
Equipment, Off-Road, Loaders, Tractors, Graders	Caterpillar CB334D	13,397	111,645	
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	27,762	231,352	
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	27,766	231,380	
Heavy Equipment Off-Road, Loaders, Tractors, Graders	Bobcat S570	5,618	46,821	
Total Transportation Fund	4	\$ 74,543	\$ 621,198	

\* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2025 Schedule of Vehicle & Equipment Purchase				
Department and Vehicle Use	Vehicle Make/Model		Estimated Salvage Value	Estimated Cost *
Fleet Fund				
SUV, General Purpose, Light Duty	Ford Escape		\$ 4,033	\$ 33,605
Sedan General Purpose	Ford Fusion-Hybrid		3,987	33,223
Total Fleet Department	2	\$	8,020	\$ 66,828
Parks & Recreation Department				
Trucks Medium Duty	Ford F-350 SD		7,745	64,545
Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows	Advance Exterra		6,734	56,118
Equipment, Off-Road, Loaders, Tractors, Graders	Honda TRX500		1,842	15,351
Equipment, Off-Road, Loaders, Tractors, Graders	Bobcat 5600		8,066	67,219
Trucks, Light Duty	Ford F-150		5,021	41,839
Trucks, Medium Duty	Ford F-250 SD		4,956	41,302
Trucks, Medium Duty	Ford F-250 SD		7,297	60,812
Trucks, Medium Duty	Ford F-250 SD		7,296	60,802
Trailers Medium, Light	Vermeer BC1400XL		6,202	51,686
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Z-Master 5000		1,735	14,456
Total Parks & Recreation Department	10	\$	56,894	\$ 474,130
Golf Department				
Trucks, Light Duty	Chevrolet Colorado		3,706	30,881
Total Golf Department	1	\$	3,706	\$ 30,881
Castle Rock Water Department				
Specialized Equipment, Other Small Equipment	Bobcat 250NT		847	7,056
Trucks, Light Duty	Ford F-150		5,069	42,245
Trucks, Light Duty	Ford F-150		5,602	46,682
Trucks, Light Duty	Ford F-150		6,096	50,799
Trucks, Medium Duty	Ford F-250		4,681	39,010
Trucks, Light Duty	Ford F-150		5,364	44,701
Trucks, Light Duty	Ford F-150		5,249	43,739
Trucks, Light Duty	Ford F-150		3,968	33,063
Trucks, Light Duty	Chevrolet Colorado		4,102	34,182
Trucks, Medium Duty	Ford F-250		6,054	50,451
Total Castle Rock Water Department	10	\$	47,032	\$ 391,927
Total - All Departments		\$	325,238	\$ 2,710,321
3% Contingency				81,310
2025 Vehicle & Equipment Replacement Total	43	\$	325,238	\$ 2,791,631

\* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2026 Schedule of Vehicle & Equipment Purchase			
Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
<b>Police Department</b>			
SUV, Police Patrol	Ford Utility Interceptor	\$ 8,861	\$ 73,838
SUV, Police Patrol	Ford Utility Interceptor	8,808	73,397
SUV, Police Patrol	Ford Utility Interceptor	8,861	73,838
SUV, Police Patrol	Ford Utility Interceptor	8,861	73,838
SUV, Police Patrol	Ford Utility Interceptor	8,946	74,553
SUV, Police Patrol	Ford Utility Interceptor	8,861	73,838
SUV, Police Patrol	Ford Utility Interceptor	8,861	73,838
SUV, Police Patrol	Ford Utility Interceptor	8,861	73,838
SUV, Public Safety, Police, Fire	Ford Utility AWD	8,068	67,237
SUV, Police Patrol	Ford Utility Interceptor	8,861	73,838
SUV, Police Patrol	Ford Utility Interceptor	8,861	73,838
Trucks, Light Duty	Ford Ranger	6,070	50,584
<b>Total Police Department</b>	<b>12</b>	<b>\$ 102,780</b>	<b>\$ 856,479</b>
<b>Fire Department</b>			
Trucks Medium Duty	Ford F-350	9,741	81,173
Trucks Medium Duty	Ford F-350	13,326	111,048
<b>Total Fire Department</b>	<b>2</b>	<b>\$ 23,067</b>	<b>\$ 192,220</b>
<b>Development Services Department</b>			
Trucks, Light Duty	Ford F-150	4,109	34,239
Trucks, Light Duty	Ford F-150	4,425	36,878
Trucks, Light Duty	Ford F-150	4,456	37,137
<b>Total Development Services Department</b>	<b>3</b>	<b>\$ 12,990</b>	<b>\$ 108,254</b>
<b>Transportation Fund</b>			
Heavy Equipment, Loader, Grader, Backhoe, Tractor	Caterpillar-930G	32,541	271,177
Specialized Equipment, Other Small Equipment	Target Pro66-36	4,250	35,420
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	27,730	231,084
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	27,759	231,325
Trucks, Medium Duty	Ford F-350 SD	9,273	77,274
Trucks Light Duty	Ford F-150	4,853	40,440
Trucks Light Duty	Ford F-150	4,435	36,957
<b>Total Transportation Fund</b>	<b>7</b>	<b>\$ 110,841</b>	<b>\$ 923,678</b>

\* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2026 Schedule of Vehicle & Equipment Purchase			
Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
<b>Parks &amp; Recreation Department</b>			
Equipment, Off-Road, Loaders, Tractors, Graders	Sullair 200H-DPQ	\$ 3,471	\$ 28,924
Equipment, Off-Road, Loaders, Tractors, Graders	Bobcat S570	6,306	52,549
Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows	Toro 4300-D	10,517	87,642
Trucks Light Duty	Ford F-150	5,924	49,365
Trucks, Light Duty	Chevrolet Colorado	4,700	39,170
Trucks, Light Duty	Chevrolet Colorado	5,306	44,220
Trucks, Light Duty	Chevrolet Colorado	4,355	36,293
<b>Total Parks &amp; Recreation Department</b>	<b>7</b>	<b>\$ 40,579</b>	<b>\$ 338,163</b>
<b>Castle Rock Water Department</b>			
Trucks Light Duty	Ford F-150	4,079	33,994
Trucks, Medium Duty	International Terrastar	13,039	108,660
Trucks Light Duty	Ford F-150	4,038	33,652
Trucks Light Duty	Ford F-150	5,280	44,000
SUV, General Purpose, Light Duty	Toyota Rav4 Hybrid	4,296	35,801
Trucks Light Duty	Ford F-150	4,109	34,239
Trucks Light Duty	Ford F-150	4,698	39,148
Trucks Light Duty	Ford F-150	4,109	34,239
Trucks Light Duty	Ford F-150	4,852	40,433
Trucks, Medium Duty	Ford F-350 SD	6,396	53,299
Trucks, Medium Duty	Ford F-350 SD	7,213	60,105
Trucks, Medium Duty	Ford F-350 SD	10,485	87,372
<b>Total Castle Rock Water Department</b>	<b>12</b>	<b>\$ 72,594</b>	<b>\$ 604,941</b>
<b>Total - All Departments</b>		<b>\$ 362,851</b>	<b>\$ 3,023,735</b>
<b>3% Contingency</b>			<b>90,712</b>
<b>2026 Vehicle &amp; Equipment Replacement Total</b>	<b>43</b>	<b>\$ 362,851</b>	<b>\$ 3,114,447</b>

\* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2027 Schedule of Vehicle & Equipment Purchase				
Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *	
<b>Facilities Department</b>				
Trucks, Light Duty	Ford F-150	\$ 6,359	\$ 52,990	
<b>Total Facilities Department</b>	<b>1</b>	<b>\$ 6,359</b>	<b>\$ 52,990</b>	
<b>DoIT Department</b>				
Trucks, Light Duty	Ford F-150	6,939	\$ 57,825	
SUV, General Purpose, Light Duty	Ford Escape	4,678	\$ 38,986	
<b>Total DoIT Department</b>	<b>2</b>	<b>\$ 11,617</b>	<b>\$ 96,811</b>	
<b>Police Department</b>				
SUV, Police Patrol	Ford Utility Interceptor	11,873	\$ 98,942	
SUV, Police Patrol	Ford Utility Interceptor	11,944	99,535	
SUV, Police Patrol	Ford Utility Interceptor	11,771	98,088	
SUV, Public Safety, Police, Fire	Ford Expedition	10,426	86,880	
<b>Total Police Department</b>	<b>4</b>	<b>\$ 46,014</b>	<b>\$ 383,445</b>	
<b>Fire Department</b>				
Trucks Medium Duty	Chevrolet 1500	10,527	87,726	
SUV, Public Safety, Police, Fire	Chevrolet Tahoe	10,119	84,324	
Fire, Response, Ambulance	Ford F450	39,187	326,556	
<b>Total Fire Department</b>	<b>3</b>	<b>\$ 59,833</b>	<b>\$ 498,606</b>	
<b>Development Services Department</b>				
SUV, General Purpose, Light Duty	Ford Escape	4,597	38,306	
Trucks Light Duty	Ford F-150	6,239	51,988	
Trucks Light Duty	Ford F-150	6,240	51,999	
<b>Total Development Services Department</b>	<b>3</b>	<b>\$ 17,076</b>	<b>\$ 142,294</b>	
<b>Transportation Fund</b>				
Medium Duty Equipment, Sweepers	Freightliner M2106	47,887	399,062	
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	40,165	334,707	
Equipment, Off-Road, Loaders, Tractors, Graders	Crafco SS125	9,483	79,025	
Trucks Light Duty	Ford F-150	6,091	50,759	
<b>Total Transportation Fund</b>	<b>4</b>	<b>\$ 103,626</b>	<b>\$ 863,553</b>	

\* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2027 Schedule of Vehicle & Equipment Purchase			
Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
<b>Parks &amp; Recreation Department</b>			
SUV, General Purpose, Medium Duty	Ford Expedition	\$ 7,028	\$ 58,567
Trucks Light Duty	Chevrolet Colorado	5,867	48,891
Trucks Light Duty	Ford F-150	5,256	43,800
Trucks Light Duty	Ford F-150	6,184	51,532
Trucks, Medium Duty	Ford F-250	9,373	78,112
Trucks, Medium Duty	Ford F-250	9,689	80,738
Equipment, Off-Road, Loaders, Tractors, Graders	Graco	2,711	22,596
Trucks Light Duty	Chevrolet Colorado	6,994	58,287
<b>Total Parks &amp; Recreation Department</b>	<b>8</b>	<b>\$ 53,102</b>	<b>\$ 442,523</b>
<b>Community Center Fund</b>			
Vans < 10K GVWR Passenger/Cargo	Ford Transit	7,675	63,959
Vans < 10K GVWR Passenger/Cargo	Ford Transit	7,675	63,959
<b>Total Community Center Department</b>	<b>2</b>	<b>\$ 15,350</b>	<b>\$ 127,917</b>
<b>Castle Rock Water Department</b>			
Trucks, Medium Duty	Ford F-250	7,683	64,023
Trucks Light Duty	Chevrolet Colorado	5,420	45,165
Trucks Light Duty	Chevrolet Colorado	5,364	44,699
Trucks Light Duty	Chevrolet Colorado	5,364	44,699
Trucks Light Duty	Chevrolet Colorado	4,869	40,573
Equipment, Off-Road, Loaders, Tractors, Graders	Reliable HPU-2000	1,497	12,478
<b>Total Castle Rock Water Department</b>	<b>6</b>	<b>\$ 30,197</b>	<b>\$ 251,639</b>
<b>Total - All Departments</b>		<b>\$ 343,174</b>	<b>\$ 2,859,777</b>
<b>3% Contingency</b>			<b>85,793</b>
<b>2026 Vehicle &amp; Equipment Replacement Total</b>	<b>33</b>	<b>\$ 343,174</b>	<b>\$ 2,945,570</b>

\* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### GOLF FUND

#### PARKS & RECREATION DEPARTMENT

#### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Red Hawk Ridge Maintenance Equipment	\$ -	\$ 113,000	\$ -	\$ -	\$ 594,000	\$ 707,000
Red Hawk Ridge Golf Carts	-	455,712	-	-	-	455,712
Clubhouse Upgrades	-	50,000	-	-	-	50,000
New Practice Putting Green	120,000	-	-	-	-	120,000
<b>Total Expenditures by Year</b>	<b>\$ 120,000</b>	<b>\$ 618,712</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 594,000</b>	<b>\$ 1,332,712</b>

  

Project Funding Sources	2023	2024	2025	2026	2027	Total
Charges for Service	\$ 120,000	\$ 618,712	\$ -	\$ -	\$ 594,000	\$ 1,332,712
<b>Total Funding Sources by Year</b>	<b>\$ 120,000</b>	<b>\$ 618,712</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 594,000</b>	<b>\$ 1,332,712</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



Red Hawk Ridge Golf Course

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name Red Hawk Ridge Maintenance Equipment

Project Number: 70-30

Contact: Brian Erickson, Head Golf Professional

Department: Golf

Category: Equipment

Type: New

Useful Life: 5-10 Years

5 Year Historical Total \$ 608,348

2023-2027 Total 707,000

**CIP Project Total (2018-2027): \$ 1,315,348**

### Description and Justification

The typical lifespan for golf course maintenance equipment used on a regular basis is approximately five years. Some less frequently used equipment can last more than 10 years. Since golf course conditions are typically the most important factor for most golfers, having reliable equipment that produces a quality product is critical for the long-term health of the Golf Course Fund. Having reliable maintenance equipment also allows staff to provide a consistent product with minimal risk of failure and/or catastrophic turf damage. Staff will continue to perform necessary preventative maintenance to extend the life of the equipment as long as possible/feasible and will adjust replacement schedules accordingly.

Equipment that is planned for replacement in 2024 and 2027 is budgeted as a lease/purchase. Payments are planned to occur over a five-year period and will result in the golf course owning the equipment upon completion of the payment period.

Expenditures	2023	2024	2025	2026	2027	Total
Equipment	\$ -	\$ 113,000	\$ -	\$ -	\$ 594,000	\$ 707,000

<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ 113,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 594,000</b>	<b>\$ 707,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Charges for Service	\$ -	\$ 113,000	\$ -	\$ -	\$ 594,000	\$ 707,000

<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 113,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 594,000</b>	<b>\$ 707,000</b>
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### Operational Impact

No additional operational impact is expected as ongoing equipment maintenance is in the current budget.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Red Hawk Ridge Golf Carts

Project Number: 70-30

Contact: Brian Erickson, Head Golf Professional

Department: Golf

Category: Equipment

Type: New

Useful Life: Four years

5 Year Historical Total \$ 429,990

2023-2027 Total 455,712

**CIP Project Total (2018-2027): \$ 885,702**

### Description and Justification

The existing cart fleet at Red Hawk Ridge is in its last year of service of the four year lease. However, the batteries were replaced under warranty in 2021, the life of golf carts are being extended for one year. In time the fleet will show signs of wear and tear due to ongoing demands and usage. In order to maintain high product quality and service levels, it is imperative that the golf cart fleet also maintains the same high standard that golfers have come to expect from Red Hawk Ridge. The current fleet was delivered in the spring of 2019 and will need to be replaced in the spring of 2024.

Expenditures	2023	2024	2025	2026	2027	Total
Equipment	\$ -	\$ 455,712	\$ -	\$ -	\$ -	\$ 455,712

**Total Expenditures** \$ - \$ 455,712 \$ - \$ - \$ - \$ 455,712

Funding Sources	2023	2024	2025	2026	2027	Total
Charges for Service	\$ -	\$ 455,712	\$ -	\$ -	\$ -	\$ 455,712

**Total Funding Sources** \$ - \$ 455,712 \$ - \$ - \$ - \$ 455,712

### Operational Impact

No operational impact is expected outside of current budget.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Clubhouse Upgrades

Project Number: 70-20

Contact: Brian Erickson, Head Golf Professional

Department: Golf

Category: Building

Type: Replacement

Useful Life: 10+ years

5 Year Historical Total \$ 123,619

2023-2027 Total 50,000

**CIP Project Total (2018-2027): \$ 173,619**

### Description and Justification

The golf pro shop has not been updated since its construction in 2001. In order to capitalize on sales opportunities and to provide a better experience to the golfers, the clubhouse dining room furniture is scheduled to be replaced in 2024, as well as an addition to the chargrill/kitchen in the clubhouse.

Expenditures	2023	2024	2025	2026	2027	Total
Clubhouse dining room/kitchen furniture	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000

<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Charges for Service	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000

<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>
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### Operational Impact

No additional revenues or expenditures are anticipated as a result of this project.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### New Practice Putting Green

Project Number: 70-20

Contact: Brian Erickson, Head Golf Professional

Department: Golf

Category: Infrastructure

Type: New

Useful Life: 10 Years

5 Year Historical Total \$ 123,619

2023-2027 Total 120,000

**CIP Project Total (2018-2027): \$ 243,619**

### Description and Justification

The new practice putting green will be constructed in 2023. This new addition will be about 7,000 square feet. The current practice putting green at Red Hawk Golf Course has 4 holes total. With the new practice putting green addition, there will be a total of 14 holes. This will allow for more flexibility during tournaments and junior camps while still serving golfers. This putting green will be constructed in early 2023 based on weather and will be operational by Fall 2023. It will be located on the Southwest side of the Clubhouse.

Red Hawk has received feedback that there is a need for additional practice putting space. Adding this new putting green will enhance the golfing experience for future guests.

Expenditures	2023	2024	2025	2026	2027	Total
Putting Green	\$ 120,000	\$ -	\$ -	\$ -	\$ -	\$ 120,000

<b>Total Expenditures</b>	<b>\$ 120,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Charges for Service	\$ 120,000	\$ -	\$ -	\$ -	\$ -	\$ 120,000

<b>Total Funding Sources</b>	<b>\$ 120,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,000</b>
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### Operational Impact

No additional revenues are anticipated as a result of this project.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### COMMUNITY CENTER FUND

#### PARKS & RECREATION DEPARTMENT

#### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Fitness Equipment Replacement	\$ 100,000	\$ -	\$ 80,000	\$ 350,000	\$ -	\$ 530,000
Recreation Center HVAC	150,000	310,000	-	-	-	460,000
Miller Activity Complex Boiler	-	-	115,000	-	-	115,000
Recreation Center Updates	25,000	-	200,000	125,000	-	350,000
MAC Flooring and Toddler Remodel	-	100,000	-	-	-	100,000
Homestead Locker Rooms Remodel	-	-	100,000	100,000	-	200,000
<b>Total Expenditures by Year</b>	<b>\$ 275,000</b>	<b>\$ 410,000</b>	<b>\$ 495,000</b>	<b>\$ 575,000</b>	<b>\$ -</b>	<b>\$ 1,755,000</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Sales Tax	\$ 275,000	\$ 410,000	\$ 495,000	\$ 575,000	\$ -	\$ 1,755,000
<b>Total Funding Sources by Year</b>	<b>\$ 275,000</b>	<b>\$ 410,000</b>	<b>\$ 495,000</b>	<b>\$ 575,000</b>	<b>\$ -</b>	<b>\$ 1,755,000</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



Recreation Fitness Equipment

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Fitness Equipment Replacement

Project Number: 70-30

Contact: Mike Kilman, Recreation Manager

Department: Parks & Recreation Department

Category: Equipment

Type: Replacement

Useful Life: 3 Years

5 Year Historical Total \$ 1,135,412

2023-2027 Total 530,000

**CIP Project Total (2018-2027): \$ 1,665,412**

### Description and Justification

The selectorized fitness equipment were last replaced in 2014. Over the past eight years, the selectorized equipment has been heavily used by community members working out at the Recreation Center. This constant usage has lead to a decrease in reliability of the equipment which has resulted in more frequent down time for the equipment, and frustration for patrons. The current line of equipment is at the end of its functional lifespan. It is time to replace the equipment to ensure a safe and reliable environment for our patrons. The equipment has an anticipated life cycle of 7-8 years.

In order to provide a safe and functional workout experience, the Parks and Recreation department has begun an eight year purchasing cycle to avoid increased costs for labor to maintain aging equipment and prevent increased time equipment is out of order. This has allowed the Town to increase its purchasing power by trading in aging equipment before it has completely depreciated. Free weights are scheduled to be replaced in 2025 as they are reaching their end of functional lifespan as well.

Expenditures	2023	2024	2025	2026	2027	Total
Fitness Equipment	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Cardio and Spin Equipment Replacement	-	-	-	\$ 350,000	-	350,000
Free Weight/Circuit	-	-	80,000	-	-	80,000
<b>Total Expenditures</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 80,000</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ 530,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Sales Tax	\$ 100,000	\$ -	\$ 80,000	\$ 350,000	\$ -	\$ 530,000
<b>Total Funding Sources</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 80,000</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ 530,000</b>

### Operational Impact

No future expenditures are anticipated as a result of this project. By keeping the amenities in good working condition and updating when necessary, these general improvements contribute to the overall facility and may attract additional patronage.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Recreation Center HVAC

Project Number: 70-30

Contact: Mike Kilman, Recreation Manager

Department: Parks & Recreation Department

Category: Equipment

Type: Replacement

Useful Life: 20 Years

5 Year Historical Total \$ 244,865

2023-2027 Total 460,000

**CIP Project Total (2018-2027): \$ 704,865**

### Description and Justification

The roof top unit (RTU) HVAC units on the Recreation Center will be nearing the end of their functional lives by 2024, which can result in increased downtime and emergency maintenance. In order to maintain quality for facility users, the Recreation Center's weight room and Panorama Hall HVAC are scheduled to be replaced in 2024. Additionally, the Dehumidification Unit (DHU) and Make Up Air Unit (MUA) will also need replacing in 2023 to maintain air quality for facility users.

Expenditures	2023	2024	2025	2026	2027	Total
Recreation Lap Pool DHU	\$ 100,000	\$ 150,000	\$ -	\$ -	\$ -	\$ 250,000
Recreation MUA unit	50,000	-	-	-	-	50,000
Recreation Center RTU HVAC units	-	160,000	-	-	-	160,000
<b>Total Expenditures</b>	<b>\$ 150,000</b>	<b>\$ 310,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 460,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Sales Tax	\$ 150,000	\$ 310,000	\$ -	\$ -	\$ -	\$ 460,000
<b>Total Funding Sources</b>	<b>\$ 150,000</b>	<b>\$ 310,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 460,000</b>

### Operational Impact

Replacing this unit with a newer, more energy efficient unit is expected to reduce costs for both maintenance and operations. Any savings will be determined after the new unit is in service and will be reflected in future year budgets.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Miller Activity Complex Boiler

Project Number: 70-20

Contact: Mike Kilman, Recreation Manager

Department: Parks & Recreation Department

Category: Equipment

Type: Replacement

Useful Life: 20 Years

5 Year Historical Total \$ 244,865

2023-2027 Total 115,000

**CIP Project Total (2018-2027): \$ 359,865**

### Description and Justification

All pool facilities, except the leisure pool at the Miller Activity Complex (MAC) within the Town of Castle Rock have a backup boiler to maintain a high level of customer service, as well as extend the life of the main boiler. The leisure pool at the Miller Activity Complex (MAC) only has one boiler. If the boiler at the MAC was to fail and be offline it could force the pool to be close and result in possible revenue losses. The new backup boiler would allow the pool to continue to operate while maintenance and repairs are being done on the main boiler.

Expenditures	2023	2024	2025	2026	2027	Total
MAC Backup Boiler	\$ -	\$ -	\$ 115,000	\$ -	\$ -	\$ 115,000

<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 115,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 115,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Sales Tax	\$ -	\$ -	\$ 115,000	\$ -	\$ -	\$ 115,000

<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 115,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 115,000</b>
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### Operational Impact

Replacing this unit with a newer, more energy efficient unit is expected to reduce costs for both maintenance and operations. Any savings will be determined after the new unit is in service and will be reflected in future budget requests.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Recreation Center Updates

Project Number: 70-20

Contact: Mike Kilman, Recreation Manager

Department: Parks & Recreation Department

Category: Equipment

Type: Replacement

Useful Life: 15+ Years

5 Year Historical Total \$ 1,380,277

2023-2027 Total 350,000

**CIP Project Total (2018-2027): \$ 1,730,277**

### Description and Justification

The current gym curtain has reached the end of its lifecycle. The curtain is not ADA compliant as it does not allow for access on either end to allow for patrons who need wheelchairs or other means of assistance to move around the curtain when it is down. The curtain reaches wall to wall. The curtain has developed holes from wear and tare and is also scratching the wood floor as the support beams have bent.

The filters on the Recreation Center lap pool are original to the building. Sand filters such as the filters in the lap pool typically last 15-25 years. Built in 2006, the filters are now over 15 years old. The filters operate in a caustic environment and have reached the end of their functional life cycle. The current filters leak and are difficult to maintain water pressure when conducting routine maintenance. They have become unreliable and require multiple staff to operate. The purchase of a new filtration system will last an expected 15-25 years if properly maintained.

The Recreation Center leisure pool play structure was installed in 2006. The structure is a critical feature of the Recreation Center which allows the aquatics facility to be accessible to younger ages who are yet to be strong swimmers year round. The current structure has reached the end of its useful lifecycle. The lifecycle varies as manufacturers make replacement parts. With the current structure, pieces have failed due to heavy use and corrosion. It has become impossible to source replacements. In order to maintain a safe and reliable environment, the structure must be replaced. A new structure would allow for parts to be replaced and allow for an anticipated useful lifespan of 10-15 years.

Expenditures	2023	2024	2025	2026	2027	Total
Gym Curtain	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Recreation Filters		-	200,000	-	-	200,000
Recreation Center Pool Play Structure	-	-	-	125,000	-	125,000
<b>Total Expenditures</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ 350,000</b>

Funding Sources	2023	2024	2025	2026	2027	Total
Sales Tax	\$ 25,000	\$ -	\$ 200,000	\$ 125,000	\$ -	\$ 350,000
<b>Total Funding Sources</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ 350,000</b>

### Operational Impact

No future expenditures are anticipated as a result of this project. By keeping the amenities in good working condition and updating when necessary, these general improvements contribute to the overall facility and may attract additional patronage.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name MAC Flooring and Toddler Remodel

Project Number:	70-20	5 Year Historical Total	\$	244,865
Contact:	Mike Kilman, Recreation Manager	2023-2027 Total		100,000
Department:	Parks & Recreation Department	<b>CIP Project Total (2018-2027):</b>	<b>\$</b>	<b>344,865</b>
Category:	Infrastructure			
Type:	Replacement			
Useful Life:	15+ Years			

### Description and Justification

The current rubberized flooring in the MAC party rooms has reached the end of it's lifecycle. Original to the building, eight years of use has left them stained and worn out. The stairs have also become worn down from constant usage from patrons and athletes. In order to provide a safe and functional flooring in the party rooms/breeze way and traction on the stairs, flooring will need to be replaced. The MAC toddler area play feature has reached the end of it's lifecycle. The climbing feature has worn holes in it and is currently repaired by electrical tape. The cost to repair the feature is the same as purchasing a new one.

Expenditures	2023	2024	2025	2026	2027	Total
MAC Flooring	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000

<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Sales Tax	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000

<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>
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### Operational Impact

No future expenditures are anticipated as a result of this project. By keeping the amenities in good working condition and updating when necessary, these general improvements contribute to the overall facility and may attract additional patronage.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Homestead Locker Rooms Remodel

Project Number: 70-20

Contact: Mike Kilman, Recreation Manager

Department: Parks & Recreation Department

Category: Equipment

Type: Replacement

Useful Life: 15+ Years

5 Year Historical Total \$ -

2023-2027 Total 200,000

**CIP Project Total (2018-2027): \$ 200,000**

### Description and Justification

The Recreation Center locker rooms were last renovated over 15 years ago. The flooring in the locker rooms is now stained from underneath due to moisture and gives the appearance of being unsanitary. In addition to the flooring damage, the lockers have reached the end of their useful life and have begun rusting.

Expenditures	2023	2024	2025	2026	2027	Total
Recreation Center Locker Rooms	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ 200,000

<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Sales Tax	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ 200,000

<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>
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### Operational Impact

No future expenditures are anticipated as a result of this project. By keeping the amenities in good working condition and updating when necessary, these general improvements contribute to the overall facility and may attract additional patronage.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### FIRE CAPITAL FUND

### FIRE DEPARTMENT

### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Station 156 Construction	\$ -	\$ 1,500,000	\$ 6,300,000	\$ -	\$ -	\$ 7,800,000
<b>Total Expenditures by Year</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>	<b>\$ 6,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,800,000</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Impact Fees	\$ -	\$ 1,500,000	\$ 300,000	\$ -	\$ -	\$ 1,800,000
Interfund Loan	-	-	6,000,000	-	-	6,000,000
<b>Total Funding Sources by Year</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>	<b>\$ 6,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,800,000</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



Fire Station 155

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Station 156 Construction

Project Number: 78-18

Contact: Norris Croom, Fire Chief

Department: Fire Department

Category: Building

Type: New

Useful Life: 50 Years

5 Year Historical Total \$ 3,375,421

2023-2027 Total 7,800,000

**CIP Project Total (2018-2027): \$ 11,175,421**

### Description and Justification

Solely based upon call for service projections, Planning Zone 6 (Castle Oaks, Terrain, Liberty Village and Cobblestone Ranch neighborhoods) should reach the planning threshold for new station consideration between 2022 and 2023 and the operational threshold between 2023 and 2025.

Considering all factors, if they remain relatively consistent, the department should consider planning to open a station dedicated to Planning Zone 6 by 2025. This aligns with the Strategic Priority of Council by ensuring outstanding public safety, and this will allow the department to maintain our level of service in this specific planning zone.

Expenditures	2023	2024	2025	2026	2027	Total
Station 156 Construction	\$ -	\$ 1,500,000	\$ 6,300,000	\$ -	\$ -	\$ 7,800,000
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>	<b>\$ 6,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,800,000</b>
Funding Sources	2023	2024	2025	2026	2027	Total
Interfund Loan	\$ -	\$ -	\$ 6,000,000	\$ -	\$ -	\$ 6,000,000
Impact Fees	-	1,500,000	300,000	-	-	1,800,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>	<b>\$ 6,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,800,000</b>

### Operational Impact

This station has operations budgeted of \$2.5 million in the General Fund starting in 2025.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### LODGING TAX FUND

#### PARKS & RECREATION DEPARTMENT

#### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
LED Light Upgrades at Town Parks	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000
Paintbrush Park Field Improvements	175,000	-	-	-	-	175,000
<b>Total Expenditures by Year</b>	<b>\$ 210,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 210,000</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Lodging Tax	\$ 210,000	\$ -	\$ -	\$ -	\$ -	\$ 210,000
<b>Total Funding Sources by Year</b>	<b>\$ 210,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 210,000</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



*Best Western Castle Rock*

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### LED Light Upgrades at Town Parks

Project Number: 70-30

Contact: Jeff Smullen, Assistant Director of Parks & Recreation

Department: Parks & Recreation Department

Category: Parks/Trails

Type: Upgrade

Useful Life: 15 Years

5 Year Historical Total \$ 111,100

2023-2027 Total 35,000

**CIP Project Total (2018-2027): \$ 146,100**

### Description and Justification

The Parks and Recreation Department's Environmental and Sustainability Policy and Program has identified waste and energy reduction by improving the efficiency of existing lighting by retrofitting outdoor and indoor lighting with energy-efficient LED bulbs and require all new lighting to be energy efficient. Retrofit or replace incandescent bulbs and/or CFL lights with LED lights during renovation projects for older parks. With this policy, LED lighting upgrades will be phased in at Town parks over the next 5-years. An LED light bulb typically uses up to 90% less energy than regular incandescent or halogen light bulbs and lasts far longer. Switching entirely to LED lights will save on energy costs, reduce electricity consumption, and reduce carbon emissions.

Expenditures	2023	2024	2025	2026	2027	Total
LED Light Upgrades	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000

<b>Total Expenditures</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 35,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Lodging Tax	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000

<b>Total Funding Sources</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 35,000</b>
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### Operational Impact

Replacing with existing lights with LED bulbs will result in electric utility savings. The full savings from this project will vary by location and is unknown at this time.

## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Paintbrush Park Field Improvements

Project Number: 70-10

Contact: Jeff Brauer, Director of Parks and Recreation

Department: Parks & Recreation Department

Category: Parks/Trails

Type: Replacement

Useful Life: 10 Years

5 Year Historical Total \$ 100,000

2023-2027 Total 175,000

**CIP Project Total (2018-2027): \$ 275,000**

### Description and Justification

Paintbrush Park was built in 2003 and is in need of baseball / softball field updates including new backstop fencing and dugouts.

Expenditures	2023	2024	2025	2026	2027	Total
Dugouts and Backstop Fencing	\$ 175,000					\$ 175,000

<b>Total Expenditures</b>	<b>\$ 175,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 175,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Lodging Tax	\$ 175,000					\$ 175,000

<b>Total Funding Sources</b>	<b>\$ 175,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 175,000</b>
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### Operational Impact

Upon completion, this project could save up to 2 million gallons of water per year which results in savings in operating expenses in the General Fund.



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### DEVELOPMENT SERVICES FUND

### DEVELOPMENT SERVICES DEPARTMENT

### PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2023	2024	2025	2026	2027	Total
Town Hall Space Upgrades	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
<b>Total Expenditures by Year</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>

Project Funding Sources	2023	2024	2025	2026	2027	Total
Charges for Service or Building Permits	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
<b>Total Funding Sources by Year</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>

*Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.*



Castle Rock Town Hall



## 2023-2027 CAPITAL IMPROVEMENT PROGRAM

### Project Name

### Town Hall Space Upgrades

Project Number: 78-57

Contact: Tara Vargish, Development Services Director

Department: Development Services Department

Category: Building

Type: Upgrade

Useful Life: 20 Years

5 Year Historical Total \$ 142,212

2023-2027 Total 50,000

**CIP Project Total (2018-2027): \$ 192,212**

### Description and Justification

Due to department growth over the years, a remodel to create more office space for current and potential future positions is needed.

Expenditures	2023	2024	2025	2026	2027	Total
Town Hall Upgrades	\$ 50,000	\$ -	\$ -	\$ -	\$ -	50,000

<b>Total Expenditures</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>50,000</b>
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Funding Sources	2023	2024	2025	2026	2027	Total
Charges for Service or Building Permits	\$ 50,000	\$ -	\$ -	\$ -	\$ -	50,000

<b>Total Funding Sources</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>50,000</b>
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### Operational Impact

No additional operational impacts are known at this time.