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

September 15, 2020

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 2021 through 2025. The 2021 Budget allows for \$57,963,220 associated with the Capital Improvement Program. The Funding Source information in the following pages 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.

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:

- 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, building use taxes and 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 2021-2025 CIP



#### 2021 - 2025 CAPITAL IMPROVEMENT PROGRAM SUMMARY - ALL FUNDS

#### TOTAL CIP EXPENDITURES BY FUND AND YEAR

Fund	2021	2022	2023	2024	2025	Total
General Fund	\$ 638,150	\$ 4,868,000	\$ -	\$ 738,750	\$ 775,700	\$ 7,020,600
General Long Term Planning	474,600	1,445,736	934,500	2,723,291	835,000	6,413,127
Transportation Fund	1,312,000	1,174,000	1,353,000	919,400	974,100	5,732,500
Transportation Capital Fund*	4,600,000	24,235,000	7,527,000	11,545,000	8,800,000	56,707,000
Conservation Trust Fund	3,800,000	925,000	1,000,000	-	-	5,725,000
Parks and Rec Capital Fund	-	450,000	4,500,000	500,000	2,000,000	7,450,000
Police Capital	-	300,000	-	-	-	300,000
Water Fund	12,299,344	3,550,000	8,494,000	5,955,000	6,468,000	36,766,344
Water Resource Fund	12,898,095	17,697,472	10,981,260	10,484,048	6,130,836	58,191,711
Stormwater Fund	8,264,644	1,668,725	1,023,849	2,291,243	2,017,149	15,265,610
Wastewater Fund**	9,334,979	4,442,015	5,684,465	3,527,106	4,634,943	27,623,508
Fleet Fund	3,023,807	3,297,819	3,093,156	2,350,029	2,754,288	14,519,099
Golf Fund	-	515,695	550,681	46,491	-	1,112,867
Community Center Fund	400,000	350,000	150,000	310,000	195,000	1,405,000
Total by Year	\$ 57,045,619	\$ 64,919,462	\$ 45,291,911	\$ 41,390,358	\$ 35,585,016	\$ 244,232,366

<sup>\*</sup> Transportation Capital Fund CIP differs from budgeted amounts due to the planned accumulation of reserves

#### **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.

Source	2021	2022	2023	2024	2025	Total
Sales Tax	\$ 1,038,150	\$ 1,910,000	\$ 150,000	\$ 1,048,750	\$ 970,700	\$ 5,117,600
Residential Building Use Tax	1,384,600	7,191,600	1,014,500	1,007,800	915,000	11,513,500
Road and Bridge Tax	902,000	744,000	1,273,000	839,400	894,100	4,652,500
Colorado Lottery Funds	440,000	440,000	440,000	-	-	1,320,000
Impact Fees	4,100,000	14,384,000	12,027,000	12,045,000	10,800,000	53,356,000
Metered Water Sales	6,568,000	3,550,000	5,170,000	3,455,000	4,980,000	23,723,000
System Development Fees	20,229,407	7,106,344	7,268,584	6,959,136	5,701,712	47,265,182
Water Resources Fees	8,077,572	11,857,306	7,357,444	7,024,312	4,107,660	38,424,295
Stormwater Charges	3,840,083	1,089,562	776,546	1,414,949	1,286,556	8,407,696
Wastewater Service Charges	4,082,000	3,755,000	5,611,000	3,404,000	3,175,000	20,027,000
Vehicle Repl. Contributions	2,562,328	3,010,249	2,832,352	2,157,926	2,536,169	13,099,024
Vehicle Salvage	254,277	287,570	260,804	192,103	218,119	1,212,873
Transfers from Other Funds	207,202	-	-	-	-	207,202
Transfers In (Sales Tax)	-	684,136	-	1,795,491	-	2,479,627
Developer Contributions	-	1,308,000	-	-	-	1,308,000
Federal Grant	-	3,601,000	-	-	-	3,601,000
County Contribution	-	1,000,000	-	-	-	1,000,000
Douglas County Shareback	3,360,000	485,000	560,000	-	-	4,405,000
Charges for Service	-	515,695	550,681	46,491	-	1,112,867
GOCO Grant	-	2,000,000	-	-	-	2,000,000
Total by Year	\$ 57,045,619	\$ 64,919,462	\$ 45,291,911	\$ 41,390,358	\$ 35,585,016	\$ 244,232,366



#### **TOWNWIDE**

#### **SUMMARY OF ESTIMATED ONGOING OPERATING COSTS**

### BY FUND (1)

Department / Division Project Name		2021	2022	2023	2024	2025
Transportation Fund						
Traffic Signal Program	\$	2,600	\$ 2,600	\$ 2,600	\$ 2,600	\$ 2,600
Water Fund						
Pump & Distribution System Upgrades		-	-	-	30,074	30,074
Administration & Customer Service Building	g	12,119	12,119	12,119	12,119	12,119
Water Resources Fund						
WISE Project		4,600,000	4,600,000	4,600,000	4,600,000	4,600,000
Chatfield Reallocation Project		120,000	120,000	120,000	120,000	120,000
Administration & Customer Service Building	g	5,689	5,689	5,689	5,689	5,689
PCWPF Expansion		1,100,000	1,100,000	1,100,000	1,100,000	1,100,000
Castle Rock Reservoir		-	-	-	200,000	200,000
Stormwater Fund						
Administration & Customer Service Building	g	5,510	5,510	5,510	5,510	5,510
Wastewater Fund						
Administration & Customer Service Building	g	6,682	6,682	6,682	6,682	6,682
<b>Total Ongoing Operating Expenditures by Year</b>	\$	5,852,600	\$ 5,852,600	\$ 5,852,600	\$ 6,082,674	\$ 6,082,674

**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



#### **GENERAL FUND**

#### **PROJECTS & FUNDING SOURCES BY DEPARTMENT**

Project Expenditures	2021	2022	2023		2024	2025	Total
Annual Trail Improvements	\$ 638,150	\$ 4,868,000	\$	-	\$ 738,750	\$ 775,700	\$ 7,020,600
Total Expenditures by Year	\$ 638,150	\$ 4,868,000	\$	-	\$ 738,750	\$ 775,700	\$ 7,020,600
Project Funding Sources	2021	2022	2023		2024	2025	Total
Sales Tax	\$ 638,150	\$ 1,560,000	\$	-	\$ 738,750	\$ 775,700	\$ 3,712,600
Developer Contributions	-	1,308,000		-	-	-	1,308,000
GOCO Grant	-	2,000,000		-	-	-	2,000,000
<b>Total Funding Sources by Year</b>	\$ 638,150	\$ 4,868,000	\$	-	\$ 738,750	\$ 775,700	\$ 7,020,600

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.



Legacy Trail



Project Name Annual Trail Improvements

Project Number: 75-14

Contact: Jeff Smullen, Assistant Director of Parks & Recreation 5 Year Historical Total \$ 3,207,408

Department: Parks & Recreation Department 2021-2025 Total 7,020,600

Category: Parks/Trails CIP Project Total (2016-2025): \$ 10,228,008

Useful Life: 50 Years

#### **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.

Improvements in 2021 will include the continued extension of the Gateway Mesa Trail, a sidewalk connection at Covy Court in the Woodlands, Trail connection to East Plum Creek Trail from the Service Center, concrete trail replacement at BNSF railroad underpass at East Plum Creek Trail, Sellars Gulch Trail Extension to Plum Creek Parkway and trail extension to the Aerial Trekking Tower at Philip S. Miller Park. In 2021 funds will be committed to trail development at Metzler Open Space and an additional mountain bike only loop at Ridgeline Open Space in partnership with COMBA (Colorado Mountain Bike Association). In addition, 2021 remaining funds will be saved and combined with 2022 and 2023 funds along with developer contributions to begin construction of the completion of the Front Range Trail through Castle Rock with grant support through a Connect Initiative Grant through Great Outdoors Colorado (GOCO) being received in 2023 at the completion of the project. In 2023 and 2024 planning includes unpaved trail development in Cobblestone Ranch / McCanta Regional Park from Terrain and Cobblestone Ranch neighborhoods.

Funding Note: GOCO funds will be received after the project is complete. The Front Range Trail extension is planned to be constructed over 2020, 2021, 2022, and 2023, with the awarded GOCO grant funds received upon project completion, scheduled in 2023. Project costs will be funded up front with developer contributions and sales tax. The sales tax portion will then be reimbursed with the GOCO grant funds.

Expenditures	2021	2022	2023		2024	2025	Total
Construction Contracts	\$ 638,150	\$ -	\$	-	\$ 738,750	\$ 775,700	\$ 2,152,600
Construction of Front Range Trail	-	4,868,000		-	-	-	4,868,000
Total Expenditures	\$ 638,150	\$ 4,868,000	\$	-	\$ 738,750	\$ 775,700	\$ 7,020,600
Funding Sources	2021	2022	2023		2024	2025	Total
Funding Sources Sales Tax	\$ <b>2021</b> 638,150	<b>2022</b> \$ 1,560,000	\$ 2023	-	\$ <b>2024</b> 738,750	\$ <b>2025</b> 775,700	\$ <b>Total</b> 3,712,600
	\$ 		\$ 2023	- -	\$ 	\$ 	\$
Sales Tax	\$ 638,150	\$ 1,560,000	\$ 2023		\$ 	\$ 775,700	\$ 3,712,600

#### **Operational Impact**

Costs to maintain the addition to the trail will be minimal and can be accommodated within current budgeted resources.



# GENERAL LONG TERM PLANNING FUND TOWN MANAGER PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2021		2022	2023		2024	2025	Total
Synthetic Turf Replacement	\$ 216,000	\$	295,000	\$ 295,000	\$	491,000	\$ 485,000	\$ 1,782,000
Network Devices	158,600		292,600	532,000		286,800	250,000	1,520,000
Server Replacement	100,000		174,000	107,500		150,000	100,000	631,500
EMS Equipment	-		684,136	-		295,491	-	979,627
Fire Department Radio Replacement	 -		-	-	1	,500,000	-	1,500,000
Total Expenditures by Year	\$ 474,600	\$ 1	1,445,736	\$ 934,500	\$2	,723,291	\$ 835,000	\$ 6,413,127

<b>Project Funding Sources</b>	2021		2022	2023		2024	2025	Total
Residential Building Use Tax	\$ 474,600	\$	761,600	\$ 934,500	\$	927,800	\$ 835,000	\$ 3,933,500
Transfers In (Sales Tax)	-		684,136	-		1,795,491	-	2,479,627
<b>Total Funding Sources by Year</b>	\$ 474,600	\$ :	L,445,736	\$ 934,500	\$ ?	2,723,291	\$ 835,000	\$ 6,413,127

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 demonstration during tour

Capital Improvement Program 8 Town of Castle Rock 2021



Project Name Synthetic Turf Replacement

Project Number: 78-47

Contact: Jeff Smullen, Assistant Director of Parks & Recreation 5 Year Historical Total \$ 380,250

Department: Parks & Recreation Department 2021-2025 Total 1,782,000

Category: Parks/Trails CIP Project Total (2016-2025): \$ 2,162,250

Useful Life: 10 Years

#### **Description and Justification**

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

-2021 for Butterfield Park

-2022 for Gemstone Park

-2023 for Matney Park

-2024 for Rhyolite Regional Park

-2025 for Bison Park

Town staff is working with the Douglas County School District on possible funding assistance for Bison Park turf replacement in 2025 since it is also a school site.

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			2021		2022		2023		2024		2025		Total
Site Improvements		\$	216,000	\$	295,000	\$	295,000	\$	491,000	\$	485,000	\$	1,782,000
	Total Expenditures	Ś	216,000	Ś	295,000	Ś	295,000	Ś	491,000	Ś	485,000	Ś	1,782,000
	Total Experiates	<u> </u>	==0,000					<u> </u>	.52,000		.05,000		2,702,000
Funding Sources			2021		2022		2023		2024		2025		Total
Residential Building L	Jse Tax	\$	216,000	\$	295,000	\$	295,000	\$	491,000	\$	485,000	\$	1,782,000

#### **Operational Impact**



Project Name Network Devices

Project Number: 76-80

Contact: Jennifer Jaeger, Chief Technology Officer 5 Year Historical Total \$ 422,568

Department: Division of Innovation and Technology 2021-2025 Total 1,520,000

Category: Technology CIP Project Total (2016-2025): \$ 1,942,568

Useful Life: 5 Years

#### **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 Golf Course). Maintaining these devices is very important for the 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 costs are expected to grow at an average annual rate of 27 percent and are budgeted below accordingly.

Expenditures	2021	2022	2023	2024	2025	Total
Network Devices	\$ 158,600	\$ 292,600	\$ 532,000	\$ 286,800	\$ 250,000	\$ 1,520,000
Total Expenditures	\$ 158,600	\$ 292,600	\$ 532,000	\$ 286,800	\$ 250,000	\$ 1,520,000
Funding Sources	2021	2022	2023	2024	2025	Total
Funding Sources  Residential Building Use Tax	\$ <b>2021</b> 158,600	\$ <b>2022</b> 292,600	\$ <b>2023</b> 532,000	\$ <b>2024</b> 286,800	\$ <b>2025</b> 250,000	\$ <b>Total</b> 1,520,000

#### **Operational Impact**



Project Name Server Replacement

Project Number: 76-83

Contact: Jennifer Jaeger, Chief Technology Officer 5 Year Historical Total \$ 394,124

Department: Division of Innovation and Technology 2021-2025 Total 631,500

Category: Technology CIP Project Total (2016-2025): \$ 1,025,624

Useful Life: 5 Years

#### **Description and Justification**

With 18 physical servers used by departments in Town, this project will replace a percentage of them each year to ensure critical business operations continue to run without interruption. These 18 physical servers house 200 virtual servers that contain Town data for every application. Just like desktop computers, servers age and must be replaced before a critical hardware failure causes excessive downtime. If just one of the physical servers should fail, multiple departments would be affected, resulting in loss of productivity. Five year old servers need to be replaced or the Town risks failures, which could potentially result in major outages. A regular replacement schedule will keep systems healthy and vendor support available.

Expenditures		2021		2022		2023		2024		2025		Total
Server Replacement		\$ 100,000	\$	174,000	\$	107,500	\$	150,000	\$	100,000	\$	631,500
Т	otal Expenditures	\$ 100,000	\$	174,000	\$	107,500	\$	150,000	\$	100,000	\$	631,500
<b>Funding Sources</b>		2021		2022		2023		2024		2025		Total
Residential Building Use	е Тах	\$ 100,000	\$	174,000	\$	107,500	\$	150,000	\$	100,000	\$	631,500
Tota	I Funding Sources	\$ 100,000	Ś	174,000	Ś	107,500	Ś	150.000	Ś	100.000	Ś	631,500

#### **Operational Impact**



Project Name EMS Equipment

Project Number: 70-30

Contact: Norris Croom, Fire Chief 5 Year Historical Total \$ 1,836,177

Department: Fire Department 2021-2025 Total 979,627

Category: Equipment CIP Project Total (2016-2025): \$ 2,815,804

Useful Life: Varies

#### **Description and Justification**

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

This aligns with Council established Strategic Priorities by ensuring outstanding public safety, it allows maintenance of our current level of service, and addresses the Community Survey need of ensuring public safety.

Annual transfers in from the General Fund are scheduled to accommodate these scheduled replacements.

Expenditures	2021		2022	2023		2024	2025		Total
LifePak Cardiac Monitors	\$	-	\$ 684,136	\$	-	\$ -	\$	-	\$ 684,136
Powered Ambulance Prams		-	-		-	211,065		-	211,065
Powered Stair Chairs		-	-		-	84,426		-	84,426
Total Expenditures	\$	-	\$ 684,136	\$	-	\$ 295,491	\$	-	\$ 979,627
Funding Sources	2021		2022	2023		2024	2025		Total
Funding Sources Transfers In (Sales Tax)	\$ 2021	-	\$ 	\$ 2023	-	\$ <b>2024</b> 295,491	\$ 2025	-	\$ <b>Total</b> 979,627
	\$ 2021	-	\$ 	\$ 2023	-	\$ 	\$ 2025	-	\$ 

#### **Operational Impact**



Project Name Fire Department Radio Replacement

Project Number: 70-30

Contact: Norris Croom, Fire Chief 5 Year Historical Total \$ 1,836,177

Department: Fire Department 2021-2025 Total 1,500,000

Category: Equipment CIP Project Total (2016-2025): \$ 3,336,177

Useful Life: 10 Years

#### **Description and Justification**

This project is planned to accommodate replacement of mobile and portable radios. 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, capabilities, etc. are maintained as opposed to having variations of each. These are a key component in being able to provide service and 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 to the community.

These radios (approx. 200 total) are scheduled for replacement in 2024 at an estimated cost of \$1,500,000.

Annual transfers in from the General Fund are scheduled to accommodate these scheduled replacements.

Expenditures	2021		2022		2023		2024	2025		Total
Radio Replacement	\$	-	\$	-	\$	-	\$ 1,500,000	\$	-	\$ 1,500,000
Total Expenditures	\$	-	\$	_	\$	-	\$1,500,000	\$	-	\$ 1,500,000
Funding Sources	2021		2022		2023		2024	2025		Total
Transfers In (Sales Tax)	\$	-	\$	-	\$	-	\$ 1,500,000	\$	-	\$ 1,500,000
Total Funding Sources	\$	-	\$	-	\$	-	\$ 1,500,000	\$	-	\$ 1,500,000

#### **Operational Impact**



Residential Building Use Tax

**Total Funding Sources by Year** 

#### 2021-2025 CAPITAL IMPROVEMENT PROGRAM

### TRANSPORTATION FUND PUBLIC WORKS DEPARTMENT PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures		2021		2022		2023	2024	2025	Total
Miscellaneous Projects & Studies	\$	75,000	\$	75,000	\$	75,000	\$ 75,000	\$ 75,000	\$ 375,000
Traffic Safety Improvements		300,000		100,000		100,000	100,000	100,000	700,000
Traffic Signal Program		452,000		494,000	1	1,023,000	589,400	644,100	3,202,500
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
Downtown Alley Improvements		330,000		350,000		-	-	-	680,000
Total Expenditures by Year	\$ :	1,312,000	\$ 1	1,174,000	\$ 1	1,353,000	\$ 919,400	\$ 974,100	\$ 5,732,500
Project Funding Sources		2021		2022		2023	2024	2025	Total
Road And Bridge Tax	\$	902,000	\$	744,000	\$1	1,273,000	\$ 839,400	\$ 894,100	\$ 4,652,500

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.

430,000

\$1,174,000

80,000

\$1,353,000

80,000

919,400

80,000

974,100

1,080,000

5,732,500

410,000

\$1,312,000



Completed traffic calming improvements



Project Name Miscellaneous Projects & Studies

Project Number: 75-24

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ 233,765 partment: Public Works Department 2021-2025 Total 375,000

Department: Public Works Department 2021-2025 Total 375,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 608,765

Useful Life: Variable

#### **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 monies 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 helps to address increases in traffic and congestion, which has been identified as an area of concern in the Community Survey.

Expenditures		2021		2022		2023		2024		2025		Total
Design/Engineering/Construction	\$	75,000	\$	75,000	\$	75,000	\$	75,000	\$	75,000	\$	375,000
Total Expenditures	\$	75,000	\$	75,000	\$	75,000	\$	75,000	\$	75,000	\$	375,000
Funding Sources		2021		2022		2023		2024		2025		Total
Road and Bridge Tax	\$	75,000	\$	75,000	\$	75,000	\$	75,000	\$	75,000	\$	375,000
Total Funding Sources	ć	75,000	ć	75.000	<u>,</u>	75.000	<u>,</u>	75.000	<u>,</u>	75,000	ć	375,000

#### **Operational Impact**

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



Project Name Traffic Safety Improvements

Project Number: 75-25

Contact: Ryan Germeroth, Assistant Public Works Director 5 Year Historical Total \$ 278,960

Department: Public Works Department 2021-2025 Total 700,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 978,960

Useful Life: Variable

#### **Description and Justification**

Small traffic safety studies or projects are typically identified during the year that are currently unknown. This account has been frequently used for the installation of new rectangular rapid flash beacons (RRFB's) to enhance the safety of pedestrian crossings. As more of these RRFBs have been installed, the number of resident requests have increased. In order to keep pace with the existing demand, the fund needs about \$75,000 per year for RRFB's, with \$200,000 included in 2021 for additional RRFB's. This would allow for the installation of about 5 new locations per year. Other examples of projects include modifications to existing curb ramp to improve pedestrian safety, small enhancement at traffic signals or other small projects identified in the annual crash report assessment. These smaller projects typically need up to about \$25,000 to fund for the given year. This program is intended to pay for these items. The ability to immediately implement small projects as they are identified provides for the best customer service for the public and aids in improving safety. This project helps to address increases in traffic and congestion, which has been identified as an area of concern in the Community Survey.

Expenditures			2021		2022		2023		2024		2025	Total
Construction		\$	300,000	\$	100,000	\$	100,000	\$	100,000	\$	100,000	\$ 700,000
	Total Expenditures	Ġ	300 000	Ś	100 000	\$ 700 000						

	Total Expenditures	Ş	300,000	Ş	100,000	Ş	100,000	Ş	100,000	Ş	100,000	Ş	700,000
<b>Funding Sources</b>			2021		2022		2023		2024		2025		Total
Road and Bridge Tax		\$	300,000	\$	100,000	\$	100,000	\$	100,000	\$	100,000	\$	700,000

<b>Total Funding Sources</b>	\$ 300,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 700,000

#### Operational Impact

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



Project Name Traffic Signal Program

Project Number: 75-26

Contact: Ryan Germeroth, Assistant Public Works Director 5 Year Historical Total \$ 4,105,211

Department: Public Works Department 2021-2025 Total 3,202,500

Category: Infrastructure CIP Project Total (2016-2025): \$ 7,307,711

Useful Life: 15-20 years

#### **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 2021, it is expected that one new traffic signal will be needed. The location will be identified through an engineering evaluation in 2020. The projected cost for construction per intersection in 2021 is \$400,000. 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 the addition of illuminated street name signs, other infrastructure, steel signal poles, and an overall increase in construction costs and labor rates. For years 2022 through 2025, signal projects will be selected based on historical trends, professional judgment, and locations identified by engineering evaluations. A 10 percent increase in cost from one year to the next has been applied to the projected construction in 2022 through 2025. This increase is based on growth in signal construction in the past five years.

The remaining \$52,000 of the request for 2021, with 3 percent growth per year for 6 years would continue installation of advanced vehicle detection at four intersections per year as a continuing signal system upgrade project. In 2018, staff performed a proof of concept project on automated traffic signal performance measures (ATSPMs) on the Plum Creek Parkway corridor. The concept showed the use of ATSPMs in Castle Rock would be beneficial in identifying deficiencies in signal timing and operations. Utilizing ATSPMs include benefits to both signal efficiency and safety. The use of ATSPMs throughout the full signal system can identify deficiencies and allow staff to address the deficiency before it negatively affects the service level and travel time of the corridor. This proactive approach will benefit the community. The intent of ATSPMs is to assure as much operational functionality in a given corridor before additional time and cost is spent on signal retiming projects or more costly capital improvement projects that add physical capacity. Both projects help address increases in traffic and congestion, identified as an area of concern in the 2019 Community Survey.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Engineering	\$ 452,000	\$ 494,000	\$ 1,023,000	\$ 589,400	\$ 644,100	\$ 3,202,500

	<b>Total Expenditures</b>	\$ 452,000	\$ 494,000	\$ 1,023,000	\$ 589,400	\$ 644,100	\$ 3,202,500
<b>Funding Sources</b>		2021	2022	2023	2024	2025	Total
Road and Bridge Tax		\$ 452,000	\$ 494,000	\$ 1,023,000	\$ 589,400	\$ 644,100	\$ 3,202,500

<b>Total Funding Sources</b>	\$ 452,000	\$ 494,000	\$ 1,023,000	\$ 589,400	\$ 644,100	\$ 3,202,500

#### **Operational Impact**

The department currently contracts out some of the maintenance of traffic signal equipment but only on an as needed basis to supplement the in-house capabilities. In addition, electricity cost increases also exist 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.



Project Name Neighborhood Traffic Calming

Project Number: 75-28

Contact: Ryan Germeroth, Assistant Public Works Director 5 Year Historical Total \$ 107,200

Department: Public Works Department 2021-2025 Total 125,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 232,200

Useful Life: Variable

#### **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		2021		2022		2023		2024		2025		Total
Construction/Engineering	\$	25,000	\$	25,000	\$	25,000	\$	25,000	\$	25,000	\$	125,000
Total Expenditures	\$	25,000	\$	25,000	\$	25,000	\$	25,000	\$	25,000	\$	125,000
Funding Sources		2021		2022		2023		2024		2025		Total
Road and Bridge Tax	\$	25,000	\$	25,000	\$	25,000	\$	25,000	\$	25,000	\$	125,000
Total Funding Sources	ć	25,000	¢	125,000								

#### **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.



Project Name Development Related Projects

Project Number: 75-32

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ 194,809

Department: Public Works Department 2021-2025 Total 250,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 444,809

Useful Life: Variable

#### **Description and Justification**

Opportunities exist for transportation improvements to be made in conjunction with various developments. Constructing improvements in conjunction with 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. The Town has recognized that opportunities exist for transportation improvements to be made in conjunction with other development activity in Town. 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 helps to address increases in traffic and congestion, which has been identified as an area of concern in the Community Survey.

Expenditures		2021	2022	2023	2024	2025	Total
Engineering/Construction	\$	50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Total Expenditure	es \$	50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Funding Sources		2021	2022	2023	2024	2025	Total
Road and Bridge Tax	\$	50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000

50,000

50,000

50,000

50,000

250,000

#### **Operational Impact**

**Total Funding Sources \$** 

The operational impact of the program will depend on the specific projects constructed and will be incorporated at such time.

50,000



Project Name ADA Ramps

Project Number: 76-78

Contact: Frank Castillo, Project Manager 5 Year Historical Total \$80,000

Department: Public Works Department 2021-2025 Total 400,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 480,000

Useful Life: Variable

#### **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. The ADA Prioritization Plan will be implemented with annual construction upgrades and retrofits for curb ramps for the purpose of becoming ADA compliant. This project helps to address the community priority of a safe and reliable transportation system.

Expenditures		2021		2022		2023		2024		2025		Total
Construction	\$	80,000	\$	80,000	\$	80,000	\$	80,000	\$	80,000	\$	400,000
Total Expenditures	\$	80,000	\$	80,000	\$	80,000	\$	80,000	\$	80,000	\$	400,000
Funding Sources		2021		2022		2023		2024		2025		Total
Residential Building Use Tax	\$	80,000	\$	80,000	\$	80,000	\$	80,000	\$	80,000	\$	400,000
Total Funding Sources	Ś	80,000	Ś	400,000								

#### **Operational Impact**

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



Project Name Downtown Alley Improvements

Project Number: 78-46

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ 437,499

Department: Public Works Department 2021-2025 Total 680,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 1,117,499

Useful Life: 30 years

#### **Description and Justification**

The scope of the project includes reconstruction of alley pavement infrastructure and upgrades including the addition of gutter and storm drain infrastructure improvements at six locations in the downtown area. These modifications are expected to improve drainage, safety, and access to the alleys. This infrastructure is beyond its design life, and needs to be replaced and improved. Increased maintenance is required to keep current service active, which is creating cost inefficiencies. This project is intended to address the community priority of a safe and reliable transportation system. The six alleys requiring improvement are scheduled to be constructed over the course of three years, 2020-2022. This program fulfills current needs for alleyway work.

Expenditures		2021		2022		2023			2024			2025			Total
Construction	\$	330,000	\$	350,000	\$		-	\$		-	\$		-	\$	680,000
Total Expenditures	\$	330,000	\$	350,000	\$		-	\$		-	\$		-	\$	680,000
Funding Sources		2021		2022		2023			2024			2025			Total
Residential Building Use Tax	\$	330,000	\$	350,000	\$		-	\$		-	\$		-	\$	680,000
Total Funding Sources	Ċ	330,000	Ś	350,000	Ċ		-	¢		_	¢		_	Ċ	680,000

#### **Operational Impact**

Increased operational impacts are not anticipated as this project is a replacement. A decrease in maintenance is expected as a result of the replacement infrastructure being reset to its original condition where normal preventative maintenance activities can resume.



# TRANSPORTATION CAPITAL FUND PUBLIC WORKS DEPARTMENT PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2021	2022	2023	2024	2025	Total
Plum Creek Pkwy Widening & Roundabout	\$ 500,000	\$ 6,000,000	\$ -	\$ -	\$ -	\$ 6,500,000
Crystal Valley Parkway Interchange	2,600,000	12,800,000	-	-	-	15,400,000
5th Street Widening	1,500,000	435,000	2,000,000	-	2,900,000	6,835,000
Hwy 86 & 5th St. Improvements	-	5,000,000	-	-	-	5,000,000
Ridge Road Widening	-	-	120,000	4,900,000	-	5,020,000
Wolfensberger Widening & Roundabout	-	-	2,400,000	1,100,000	4,900,000	8,400,000
Crowfoot Roundabout	-	-	2,222,000	-	-	2,222,000
Crowfoot Valley Road Widening	-	-	785,000	5,000,000	-	5,785,000
Prairie Hawk Widening	-	-	-	545,000	-	545,000
Plum Creek Widening	-	-	-	-	400,000	400,000
I-25 Plum Creek Parkway Off Ramp	-	-	-	-	600,000	600,000
Total Expenditures by Year	\$4,600,000	\$24,235,000	\$7,527,000	\$11,545,000	\$ 8,800,000	\$ 56,707,000

<b>Project Funding Sources</b>	2021	2022	2023	2024	2025	Total
Impact Fees	\$4,100,000	\$13,634,000	\$7,527,000	\$11,545,000	\$ 8,800,000	\$ 45,606,000
Residential Building Use Tax	500,000	6,000,000	-	-	-	6,500,000
Federal Grant	-	3,601,000	-	-	-	3,601,000
County Contribution		1,000,000	-	-	-	1,000,000
<b>Total Funding Sources by Year</b>	\$4,600,000	\$24,235,000	\$7,527,000	\$11,545,000	\$ 8,800,000	\$ 56,707,000

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.



Capital improvements in progress

CIP Project Total (2016-2025): \$ 11,468,159



#### 2021-2025 CAPITAL IMPROVEMENT PROGRAM

Project Name Plum Creek Pkwy Widening & Roundabout

Project Number: 77-05

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ 7,118,159

Department: Public Works Department 2021-2025 Total 4,350,000

Category: Infrastructure Useful Life: 20 years

#### **Description and Justification**

This project will accommodate the addition of the remaining two lanes of the master planned four-lane roadway for Plum Creek Parkway identified in the Transportation Master Plan. Construction of this project will support the continued development in the south and east areas of the Town. This project will also improve access to the I-25/Plum Creek Parkway interchange from the eastern areas of Town. In addition, this project will include bicycle and pedestrian multi-use lanes. Construction is phased into two areas, including the widening in 2020 from Gilbert Street to Eaton Street. 2022 construction includes widening from Eaton Street to Ridge Road. This project helps to address increases in traffic and congestion, which has been identified as an area of concern in the 2019 Community Survey.

Expenditures		2021	2022		2023			2024			2025			Total
Construction	\$	500,000	\$ 6,000,000	\$		-	\$		-	\$		-	\$	6,500,000
Total Expenditures	\$	500,000	\$6,000,000	\$		-	\$		-	\$		-	\$	6,500,000
Funding Sources		2021	2022		2023			2024			2025			Total
Residential Building Use Tax	\$	500,000	\$ 6,000,000	\$		-	\$		-	\$		-	\$	6,500,000
	_		4	_			_						_	
Total Funding Sources	S	500,000	\$ 6,000,000	S		-	Ś		-	S		-	S	6,500,000

#### **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.



Project Name Crystal Valley Parkway Interchange

Project Number: 78-41

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ 4,713,657

Department: Public Works Department 2021-2025 Total 15,400,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 20,113,657

Useful Life: 30 years

#### **Description and Justification**

A new interchange is planned to be constructed at I-25 in the southernmost part of Town. Located approximately 2.5 miles south of the Plum Creek Parkway interchange, the new interchange will connect Crystal Valley Parkway on the east side of I-25 and Territorial Road on the west side. The current five year effort is intended to achieve acquisition of remaining right of way and set aside future project funding to allow for potential funding partnerships to assist with advancing construction. Current estimates indicate that interchange construction will cost approximately \$70-80 million in today's dollars. The future interchange will provide access from south Castle Rock to the metropolitan areas of Denver and Colorado Springs. It will serve the area's expanding population and is centrally located between several existing and planned developments in south Castle Rock. The interchange will also:

- Improve safety by eliminating one at-grade railroad crossing
- Improve the local roadway network by providing a continuous east-west through route across I-25
- Provide direct access to I-25 for the growing population
- Reduce existing and future congestion at the Plum Creek Parkway interchange by re-distributing traffic to this new interchange

Expenditures		2021	2022	2023		2024		2025		Total
Construction/Des	ign/Right of Way	\$ 2,600,000	\$12,800,000	\$	-	\$	-	\$	-	\$ 15,400,000
	Total Expenditures	\$ 2,600,000	\$12,800,000	\$	-	\$	-	\$	-	\$ 15,400,000
<b>Funding Sources</b>		2021	2022	2023		2024		2025		Total
Impact Fees		\$ 2,600,000	\$12,800,000	\$	-	\$	-	\$	-	\$ 15,400,000
	Total Funding Sources	\$ 2,600,000	\$12,800,000	\$	-	\$	-	\$	-	\$ 15,400,000

#### **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.



Project Name 5th Street Widening

Project Number: 78-85

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$

Department: Public Works Department 2021-2025 Total 6,835,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 6,835,000

Useful Life: 20 years

#### **Description and Justification**

This project involves the widening of 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 also 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		2021	2022	2023	2024		2025	Total
Design		\$ 1,500,000	\$ -	\$ -	\$	-	\$ -	\$ 1,500,000
Right of Way Acqu	uisition	-	435,000	-		-	-	435,000
Construction		-	-	2,000,000		-	2,900,000	4,900,000
	Total Expenditures	\$1,500,000	\$ 435,000	\$ 2,000,000	\$	-	\$ 2,900,000	\$ 6,835,000
<b>Funding Sources</b>		2021	2022	2023	2024		2025	Total
Funding Sources Impact Fees		<b>2021</b> \$ 1,500,000	\$ <b>2022</b> 435,000	<b>2023</b> \$ 2,000,000	\$ 2024	-	<b>2025</b> \$ 2,900,000	\$ <b>Total</b> 6,835,000
			\$ 		\$ 2024	-		\$

#### **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.

Capital Improvement Program 25 Town of Castle Rock 2021



Project Name Hwy 86 & 5th St. Improvements

Project Number: 78-69

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ 1,539,999

Department: Public Works Department 2021-2025 Total 5,000,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 6,539,999

Useful Life: 20 years

#### **Description and Justification**

This project is requested to accommodate capacity improvements at the intersection of Highway 86 and 5th Street in order to minimize congestion due to current and forecasted traffic volumes. The timing of this project is proposed to occur with the planned widening of Ridge Road in order to assist with minimizing disruption to the community. This project helps to address increases in traffic and congestion, which has been identified as an area of concern in the Community Survey.

The Town has been awarded a federal grant of \$4.2 million for the project with \$600,000 for design funding in 2020 and \$3.6 million for construction funding in 2022. In addition, Douglas County has agreed to contribute \$1 million toward the construction of the project. The remaining portion of the project costs will be the responsibility of the Town.

Expenditures		2021		2022		2023		2024			2025		Total
Construction		\$	-	\$ 5,000,000	\$		-	\$	-	\$		-	\$ 5,000,000
	Total Expenditures	\$	_	\$5,000,000	\$		-	\$	-	\$		-	\$ 5,000,000
<b>Funding Sources</b>		2021		2022		2023		2024			2025		Total
Impact Fees		\$	-	\$ 399,000	\$		-	\$	-	\$		-	\$ 399,000
Federal Grant			-	3,601,000			-		-			-	3,601,000
<b>County Contribution</b>			-	1,000,000			-		-			-	1,000,000
To	otal Funding Sources	\$	_	\$5,000,000	Ś		_	\$	_	Ś		_	\$ 5.000.000

#### **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.

6,302,999



#### 2021-2025 CAPITAL IMPROVEMENT PROGRAM

**Project Name Ridge Road Widening** 

Project Number: 78-84

> 5 Year Historical Total \$ Contact: Brian Kelley, Engineering Manager 1,282,999

Department: **Public Works Department** 2021-2025 Total 5,020,000 CIP Project Total (2016-2025): \$

Useful Life: 20 years

Category: Infrastructure

#### **Description and Justification**

This requested project involves the widening of Ridge Road from the intersection of Highway 86 and Ridge Road to the intersection of Ridge Road and Plum Creek Parkway. The objective of this project is to improve congestion relief due to current and forecasted traffic volumes. Additionally, this project is located on the eastern portion of the Town which assists with the geographic distribution of projects proposed over the five-year period to minimize the density and associated impacts of multiple projects in a certain geographic area. Design for this project was completed in 2019. Funding is included for right of way acquisition in 2023 and construction in 2024. This project helps to address increases in traffic and congestion, which has been identified as an area of concern in the 2019 Community Survey.

Expenditures		2021		2022		2023	2024	2025		Total
Right of Way Acq	uisition	\$	-	\$	-	\$ 120,000	\$ -	\$	-	\$ 120,000
Construction			-		-	-	4,900,000		-	4,900,000
	Total Expenditures	\$	-	\$	-	\$ 120,000	\$4,900,000	\$	-	\$ 5,020,000
<b>Funding Sources</b>		2021		2022		2023	2024	2025		Total
Impact Fees		\$	-	\$	-	\$ 120,000	\$ 4,900,000	\$	-	\$ 5,020,000
	<b>Total Funding Sources</b>	\$	-	\$	-	\$ 120,000	\$4,900,000	\$	-	\$ 5,020,000

#### **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.



Project Name Wolfensberger Widening & Roundabout

Project Number: 77-08

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ -

Department: Public Works Department 2021-2025 Total 8,400,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 8,400,000

Useful Life: 20 years

#### **Description and Justification**

This project accommodates the design of 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		2	2021		2022		2023	2024	2025	Total
Design		\$		-	\$	-	\$ 2,400,000	\$ -	\$ -	\$ 2,400,000
Right of Way Acq	uisition			-		-	-	1,100,000	-	1,100,000
Construction				-		-	-	-	4,900,000	4,900,000
	<b>Total Expenditures</b>	\$		-	\$	-	\$ 2,400,000	\$ 1,100,000	\$4,900,000	\$ 8,400,000
<b>Funding Sources</b>	•	2	2021		2022		2023	2024	2025	Total
Funding Sources Impact Fees	·	\$	2021	-	\$ 2022	-	<b>2023</b> \$ 2,400,000	\$ <b>2024</b> 1,100,000	<b>2025</b> \$ 4,900,000	\$ <b>Total</b> 8,400,000
		\$	2021	-	\$ 2022	-		\$ 		\$

#### **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.



Project Name Crowfoot Roundabout

Project Number: 78-99

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ 444,579

Department: Public Works Department 2021-2025 Total 2,222,000

Category: Infrastructure

CIP Project Total (2016-2025): \$ 2,666,579

Useful Life: 20 years

#### **Description and Justification**

This project accommodates the construction of a roundabout at the intersection of North Crowfoot Valley Road and Sapphire Point Drive. This project will improve safety and mobility. 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. Design for this roundabout is planned to be completed in 2020.

Expenditures		2021		2022		2023	2024		2025		Total
Construction		\$	-	\$	-	\$ 2,222,000	\$	-	\$	-	\$ 2,222,000
	Total Expenditures	\$	_	\$	_	\$ 2,222,000	\$	_	\$	_	\$ 2,222,000
<b>Funding Sources</b>		2021		2022		2023	2024		2025		Total
Impact Fees		\$	-	\$	-	\$ 2,222,000	\$	-	\$	-	\$ 2,222,000
	<b>Total Funding Sources</b>	\$	-	\$	-	\$ 2,222,000	\$	-	\$	-	\$ 2,222,000

#### **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.



Project Name Crowfoot Valley Road Widening

Project Number: 78-83

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ -

Department: Public Works Department 2021-2025 Total 5,785,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 5,785,000

Useful Life: 20 years

#### **Description and Justification**

This requested project involves the widening of Crowfoot Valley Road from the intersection of Knobcone Drive to the Town boundary. The objective of this project is to improve congestion due to current and forecasted traffic volumes. The timing of the project will coincide with the Canyons South development project in Douglas County and will coordinate any required widening work with the development. The project will also include analyzing the intersection of Timber Canyon and Diamond Ridge to assess improvements for resident egress from the existing developments. Construction is currently anticipated to occur in 2024. This project helps to address increases in traffic and congestion, which has been identified as an area of concern in the Community Survey.

Expenditures			2021			2022			2023	2024	2025			Total
Design		\$		-	\$		-	\$	785,000	\$ -	\$	-	\$	785,000
Construction							-		-	5,000,000		-		5,000,000
	Total Expenditures	\$		-	\$		-	\$	785,000	\$5,000,000	\$	-	\$	5,785,000
<b>Funding Sources</b>			2021			2022			2023	2024	2025			Total
Impact Fees		\$		-	\$		-	\$	785,000	\$ 5,000,000	\$	-	\$	5,785,000
	<b>Total Funding Sources</b>	ċ		_	4		_	ć	785.000	\$ 5,000,000	\$	_	ć	5,785,000

#### **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.



Project Name Prairie Hawk Widening

Project Number: 76-29

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ -

Department: Public Works Department 2021-2025 Total 545,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 545,000

Useful Life: 20 years

#### **Description and Justification**

The Town's Transportation Master Plan has identified the need to widen the existing two-lane roadway 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 the past two Community Surveys in 2017 and 2019. Funding for design is included in 2024 with construction currently planned beyond the five year planning period.

Expenditures		2021		2022		2023		2024	2025		Total
Design		\$	-	\$	-	\$	-	\$ 545,000	\$	-	\$ 545,000
	Total Expenditures	\$	_	\$	-	\$	_	\$ 545,000	\$	-	\$ 545,000
<b>Funding Sources</b>		2021		2022		2023		2024	2025		Total
Impact Fees		\$	-	\$	-	\$	-	\$ 545,000	\$	-	\$ 545,000
	_										
	<b>Total Funding Sources</b>	\$ ·	-	\$	-	\$	-	\$ 545,000	\$	-	\$ 545,000

#### **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.



Project Name Plum Creek Widening

Project Number: 77-05

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ 7,118,159

Department: Public Works Department 2021-2025 Total 400,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 7,518,159

Useful Life: 20 years

#### **Description and Justification**

This project completes the widening of 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 2025 includes the completion of the roadway design. Construction is currently planned to occur outside the five year planning period.

Expenditures		2021		2022		2023		2024		2025	Total
Design		\$	-	\$	-	\$	-	\$	-	\$ 400,000	\$ 400,000
	Total Expenditures	\$	-	\$	_	\$	_	\$	-	\$ 400,000	\$ 400,000
<b>Funding Sources</b>		2021		2022		2023		2024		2025	Total
Impact Fees		\$	-	\$	-	\$	-	\$	-	\$ 400,000	\$ 400,000
	_										
	<b>Total Funding Sources</b>	\$ ·	-	\$	-	\$	-	\$	-	\$ 400,000	\$ 400,000

#### **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.



Project Name I-25 Plum Creek Parkway Off Ramp

Project Number: 79-18

Contact: Brian Kelley, Engineering Manager 5 Year Historical Total \$ -

Department: Public Works Department 2021-2025 Total 600,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 600,000

Useful Life: 20 years

#### **Description and Justification**

This project is intended to complete the 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. The work programmed for 2025 includes the completion of the design. Construction is currently planned to occur outside the five year planning period.

Expenditures		2021		2022		2023		2024		2025	Total
Design		\$	-	\$	-	\$	-	\$	-	\$ 600,000	\$ 600,000
	Total Expenditures	\$	-	\$	-	\$	-	\$	-	\$ 600,000	\$ 600,000
<b>Funding Sources</b>		2021		2022		2023		2024		2025	Total
Impact Fees		\$	-	\$	-	\$	-	\$	-	\$ 600,000	\$ 600,000
	<b>Total Funding Sources</b>	\$	-	\$	-	\$	-	\$	-	\$ 600,000	\$ 600,000

#### **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.



# CONSERVATION TRUST FUND PARKS & RECREATION DEPARTMENT PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2021	2022	2023		2024		2025		Total
Park Improvements	\$ 3,800,000	\$ 925,000	\$ 1,000,0	0 \$	<b>&gt;</b>	-	\$	-	\$ 5,725,000
Total Expenditures by Year	\$3,800,000	\$ 925,000	\$ 1,000,0	0 \$	<b>S</b>	-	\$	-	\$ 5,725,000
Project Funding Sources	2021	2022	2023		2024		2025		Total
Project Funding Sources  Douglas County Shareback	<b>2021</b> \$ 3,360,000	\$ <b>2022</b> 485,000	<b>2023</b> \$ 560,0	0 \$	2024	_	\$ 2025	_	\$ <b>Total</b> 4,405,000
·		\$ 			2024	<u> </u>	\$ 2025	<u>-</u> -	\$

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.



Bison Park



Project Name Park Improvements

Project Number: 75-18

Contact: Jeff Smullen, Assistant Director of Parks & Recreation 5 Year Historical Total \$ 1,400,488 Department: Parks & Recreation Department 2021-2025 Total 5,725,000

Category: Parks/Trails CIP Project Total (2016-2025): \$ 7,125,488

Useful Life: 15-20 Years

#### **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 include 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 and receive annual funds from the Colorado Lottery Distribution to complete design work, assessment, and capital improvements as necessary for each property as identified through the annual assessment process. Planned improvements by year include:

#### 2021

Bison Park - utility extensions for planned restroom / cellular antennae building, improvements including irrigation upgrades, park equipment tree removal and replacement, signs, fencing site furnishings, etc., Butterfield Park - tennis and basketball court replacement, playground relocation and replacement, utility extensions for planned restroom / cellular antennae building, Mitchell Gulch Park - replace playground and construct permanent parking lot, Plum Creek playground and concrete replacement, site furniture / Plum Creek Central Park, Open Space Acquisition, and Centennial and Founders parks renovation project planning - design development

#### 2022

Recreation Center playground - replace sun damaged plastic components, Founders Park - pavilion and restroom improvements, concrete repair and replacement, and Centennial Park -tennis court replacement

#### <u> 2023</u>

Construct permanent restrooms at the amphitheater, utility connections and greenroom addition at Philip S. Miller Park, Castle Highlands Park - Playground and court replacement, The Meadows Pond renovation near the Grange, and Wolfensberger alternate trail for Ridgeline Open Space

Expenditures		2021		2022		2023		2024			2025			Total
Park Improvements		\$ 3,800,000	\$	925,000	\$ 1	1,000,000	\$		-	\$		-	\$	5,725,000
	Total Expenditures	\$ 3,800,000	\$	925,000	\$ 1	.,000,000	\$		-	\$		-	\$	5,725,000
<b>Funding Sources</b>		2021		2022		2023		2024			2025			Total
Douglas County Sha	ireback	\$ 3,360,000	\$	485,000	\$	560,000	\$		-	\$		-	\$	4,405,000
Lottery Funds		440,000		440,000		440,000			-			-		1,320,000
-	Total Funding Sources	\$ 3.800.000	Ś	925.000	\$1	,000,000	Ś		_	Ś		_	Ś	5,725,000

#### **Operational Impact**

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



# PARKS AND RECREATION CAPITAL FUND PARKS & RECREATION DEPARTMENT PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2021		2022	2023	2024	2025	Total
Future Park Planning	\$	-	\$ 450,000	\$ 4,500,000	\$ -	\$ -	\$ 4,950,000
Recreation Center		-	-	-	500,000	2,000,000	2,500,000
Total Expenditures by Year	\$	-	\$ 450,000	\$4,500,000	\$ 500,000	\$ 2,000,000	\$ 7,450,000
Project Funding Sources	2021		2022	2023	2024	2025	Total
.,			-		-		
Impact Fees	\$	-	\$ 450,000	\$4,500,000	\$ 500,000	\$ 2,000,000	\$ 7,450,000

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.



Future site for Cobblestone Ranch Park



Project Name Future Park Planning

Project Number: 75-21

Contact: Jeff Smullen, Assistant Director of Parks & Recreation 5 Year Historical Total \$ 7,077,221

Department: Parks & Recreation Department 2021-2025 Total 4,950,000

Category: Parks/Trails CIP Project Total (2016-2025): \$ 12,027,221

Useful Life: 50 Years

# **Description and Justification**

Parks and Recreation requests funding for future park planning that includes new community and neighborhood parks to maintain current levels of service with population growth. Staff completed a parks prioritization study in 2018 to determine the location of the next neighborhood park, which will be decided following the completion of Cobblestone Park.

#### **Recent Parks:**

Planning for the Cobblestone Ranch Park began in 2019 with construction taking place in 2020/2021. Current planning includes constructing a new neighborhood park every other year with the next park scheduled for 2022. Park locations are determined based on the parks prioritization study. An indoor recreation facility is currently being planned following the 2022 project and may have an outdoor park component depending on site selection. A recreation facility study will be completed prior to design.

Expenditures		2	2021		2022	2023	2024		2025		Total
Park Design		\$		-	\$ 450,000	\$ -	\$	-	\$	-	\$ 450,000
Park Construction				-	-	4,500,000		-		-	4,500,000
	Total Expenditures	\$		-	\$ 450,000	\$ 4,500,000	\$	-	\$	-	\$ 4,950,000
<b>Funding Sources</b>		2	2021		2022	2023	2024		2025		Total
Funding Sources Impact Fees		\$	2021	-	\$ <b>2022</b> 450,000	<b>2023</b> \$ 4,500,000	\$ 2024	-	\$ 2025	-	\$ <b>Total</b> 4,950,000
		\$	2021	-	\$ 		\$ 2024	-	\$ 2025	-	\$

#### **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.



Project Name Recreation Center

Project Number: 79-14

Contact: Jeff Smullen, Assistant Director of Parks & Recreation 5 Year Historical Total \$

Department: Parks & Recreation Department 2021-2025 Total 2,500,000

Category: Building CIP Project Total (2016-2025): \$ 2,500,000

Useful Life: 50 Years

## **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 2026 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 2024, \$500,000 is identified for design development. This cost would include initial program development, site selection, preliminary studies, and public process. In 2025, preconstruction services of \$2.0 million are budgeted to finalize design in order to complete a full bid ready package for development.

Expenditures		2021		2022		2023		2024	2025	Total
Design		\$	-	\$	-	\$	-	\$ 500,000	\$ 2,000,000	\$ 2,500,000
	Total Expenditures	\$	_	\$	-	\$	-	\$ 500,000	\$ 2,000,000	\$ 2,500,000
<b>Funding Sources</b>		2021		2022		2023		2024	2025	Total
Impact Fees		\$	-	\$	-	\$	-	\$ 500,000	\$ 2,000,000	\$ 2,500,000
	<b>Total Funding Sources</b>	\$	-	\$	-	\$	-	\$ 500,000	\$ 2,000,000	\$ 2,500,000

#### **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. It is anticipated that the facility will have to operate through user fees generated and the use of the sale tax allocation for parks and recreation.



# POLICE CAPITAL FUND POLICE DEPARTMENT PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2021		2022	2023		2024		2025		Total
Police Basement Remodel	\$	-	\$ 300,000	\$	-	\$	-	\$	-	\$ 300,000
Total Expenditures by Year	\$	-	\$ 300,000	\$	-	\$	-	\$	-	\$ 300,000
Project Funding Sources	2021		2022	2023		2024		2025		Total
Impact Fees	\$	-	\$ 300,000	\$	-	\$	-	\$	-	\$ 300,000
Total Funding Sources by Year	\$	-	\$ 300,000	\$	-	\$	-	\$	-	\$ 300,000

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.



K9 memorial in front of Police Station



Project Name Police Basement Remodel

Project Number: 70-20

Contact: Jack Cauley, Chief of Police 5 Year Historical Total \$ Department: Police Department 2021-2025 Total 300,000

Category: Building CIP Project Total (2016-2025): \$ 300,000

Useful Life: 30 years

## **Description and Justification**

In an effort to consolidate resources and long-term storage of evidence, the Police Department entered into an agreement with the Douglas County Sheriff's Office in January 2018. This agreement stipulated that all items of evidentiary value would be transferred from the Castle Rock property evidence room to the Douglas County Sheriff's Office, Property and Evidence Facility.

The Police Department's previous property evidence area is approximately 1,700 square feet of usable office space. In an effort to re-purpose the existing room, it would be required to finish this area with drywall, carpeting, and ceiling tiles. This would also require additional electrical outlets and network connections for future office space. Various personnel would be relocated to this new office space upon completion.

Expenditures		2021		2022	2023		2024		2025		Total
Construction		\$	-	\$ 300,000	\$	-	\$	-	\$	-	\$ 300,000
	Total Expenditures	\$	-	\$ 300,000	\$	-	\$	-	\$	_	\$ 300,000
<b>Funding Sources</b>		2021		2022	2023		2024		2025		Total
Impact Fees		\$	-	\$ 300,000	\$	-	\$	-	\$	-	\$ 300,000
	<b>Total Funding Sources</b>	\$	-	\$ 300,000	\$	-	\$	-	\$	-	\$ 300,000

#### **Operational Impact**

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



# WATER FUND

# CASTLE ROCK WATER

# **PROJECTS & FUNDING SOURCES BY DEPARTMENT**

Project Expenditures	2021	2022	2023	2024	2025	Total
Water Supply Wells	\$ 2,725,000	\$ 225,000	\$5,725,000	\$2,725,000	\$ 2,725,000	\$ 14,125,000
Water Treatment Plant Upgrades & Equip.	150,000	150,000	150,000	150,000	255,000	855,000
Water Storage (Tank) Projects	4,500,000	50,000	50,000	50,000	425,000	5,075,000
Pump & Distribution System Upgrades	450,000	300,000	300,000	300,000	1,400,000	2,750,000
Waterline Rehab/Replacement	850,000	650,000	324,000	600,000	988,000	3,412,000
Security & SCADA System Improvements	1,513,000	1,925,000	1,720,000	1,930,000	475,000	7,563,000
General Facility Upgrades & Replacements	230,000	250,000	225,000	200,000	200,000	1,105,000
Administration & Customer Service Building	1,881,344	-	-	-	-	1,881,344
Total Expenditures by Year	\$ 12,299,344	\$3,550,000	\$8,494,000	\$5,955,000	\$ 6,468,000	\$ 36,766,344

<b>Project Funding Sources</b>	2021	2022	2023	2024	2025	Total
Metered Water Sales	\$ 6,568,00	0 \$3,550,000	\$5,170,000	\$3,455,000	\$ 4,980,000	\$ 23,723,000
System Development Fees	5,731,34	4 -	3,324,000	2,500,000	1,488,000	13,043,344
Total Funding Sources by Year	\$ 12,299,34	4 \$3,550,000	\$8,494,000	\$5,955,000	\$ 6,468,000	\$ 36,766,344

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.



Well drilling site



Project Name Water Supply Wells

Project Number: Multiple

Contact: Jeanne Stevens, Engineering Manager 5 Year Historical Total \$ 3,806,536

Department: Castle Rock Water 2021-2025 Total 14,125,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 17,931,536

Useful Life: 25 Years

#### **Description and Justification**

Well replacement schedules are based on an assumed 25-year life from each well and a replacement will be drilled at the end of the 25-year period. Unused well facilities are a liability from an insurance standpoint. The Colorado Department of Public Health requires that unused wells be formally abandoned. As existing wells deteriorate, they need to be rehabilitated or replaced.

Variable Frequency Drive (VFD) motor controller replacement - This project is intended to replace VFD's which are obsolete and, place new VFD and other electrical components and controls outside of the building, away from the water pipe.

Well Redrills - As existing wells deteriorate, they need to be rehabilitated or replaced. Replacement wells generally provide the same yield as a new well, but at a fraction of the cost.

New Wells and Waterlines - New deep groundwater wells and waterlines are budgeted in 2023 and 2024 in order to keep up with water demand for the Town. The funding for this project is coming from System Development Fees due to growth in the community.

These projects help Castle Rock Water meet the priority of providing high quality and reliable water service to Town residents and businesses.

Expenditures	20	021	2022	2	2023		2024		2025	Total
Well Equipment and Replacement	\$ 10	00,000	\$ 100,000	\$ 1	100,000	\$	100,000	\$	100,000	\$ 500,000
VFD Replacement	1	25,000	125,000	1	125,000		125,000		125,000	625,000
Well Redrill	2,50	00,000	-	2,5	500,000		-	2	2,500,000	7,500,000
New Wells and Waterlines		-	-	3,0	000,000	2	2,500,000		-	5,500,000
Total Expenditures	\$ 2,7	25,000	\$ 225,000	\$ 5,7	725,000	\$ 2	,725,000	\$ 2	2,725,000	\$ 14,125,000
Funding Sources	20	021	2022	2	2023		2024		2025	Total
Funding Sources  Metered Water Sales		<b>021</b> 25,000	\$ <b>2022</b> 225,000		<b>2023</b> 725,000	\$	<b>2024</b> 225,000	\$ 2	<b>2025</b> 2,725,000	\$ <b>Total</b> 8,625,000
			\$ 	\$ 2,7		\$ 2		\$ 2		\$ 

#### **Operational Impact**

Costs will vary for each well depending on the amount and type of rehabilitation, and the depth of the well and will be determined upon project completion and incorporated into operational budgets at that time.

855,000



#### 2021-2025 CAPITAL IMPROVEMENT PROGRAM

Project Name Water Treatment Plant Upgrades & Equip.

Project Number: Multiple

Contact: Jeanne Stevens, Engineering Manager 5 Year Historical Total \$ 461,083

Department: Castle Rock Water 2021-2025 Total 855,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 1,316,083

Useful Life: 50 Years

## **Description and Justification**

This facility upgrades project provide for miscellaneous improvements at existing Water Treatment Plants (WTP). There are four active water treatment plants and one dedicated for peak demand in Castle Rock. Examples of specific upgrades include pipe gallery painting, HVAC and cooling unit replacements, door repair and replacement, basin repairs, instrumentation, alarm upgrades, and safety improvements.

The equipment replacement project includes replacing existing electrical and/or mechanical equipment associated with the water treatment plant. These plants are necessary to filter deep aquifer groundwater and for purifying alluvial well water. These facilities require periodic upgrades to instrumentation, controls, and other small upgrades. Electrical and mechanical equipment needs to be replaced as equipment reaches the end of its useful life. A preventive maintenance program associated with asset management will be used to determine replacement schedules based on the type of equipment, service duty, and operating conditions. These projects help Castle Rock Water meet the priority of providing high quality and reliable water service to Town residents and businesses.

Expenditures		2021		2022	2023	2024	2025	Total
WTP Facility Upgrades	\$	50,000	\$	50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
WTP Equipment Replacement		100,000		100,000	100,000	100,000	100,000	500,000
WTP Media Replacement		-		-	-	-	105,000	105,000
Total Expenditures	\$	150,000	\$	150,000	\$ 150,000	\$ 150,000	\$ 255,000	\$ 855,000
•	Ė							
Funding Sources		2021	-	2022	2023	2024	2025	Total
Funding Sources  Metered Water Sales	\$	<b>2021</b> 150,000	\$	<b>2022</b> 150,000	\$ <b>2023</b> 150,000	\$ <b>2024</b> 150,000	\$ <b>2025</b> 255,000	\$ <b>Total</b> 855,000
	\$		\$		\$ 	\$ 	\$ 	\$

Total Funding Sources \$ 150,000 \$ 150,000 \$ 150,000 \$ 255,000 \$

#### Operational Impact

There is no operational impact anticipated for these projects.



Project Name Water Storage (Tank) Projects

Project Number: Multiple

Contact: Jeanne Stevens, Engineering Manager 5 Year Historical Total \$ 62,848

Department: Castle Rock Water 2021-2025 Total 5,075,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 5,137,848

Useful Life: 50 Years

## **Description and Justification**

The tank rehabilitation project includes structural and/or site modifications to existing tanks to ensure reliability and tank security as needed. This includes \$400,000 for tank rehabilitation in 2021, \$250,000 for tank 15 site improvements, \$3.85 million in 2021 for a Liberty Village storage tank, and \$375,000 for tank demolition in 2025. Ongoing tank rehabilitation costs of \$50,000 are also included.

Expenditures	2021	2022	2023	2024	2025	Total
Tank Rehabilitation	\$ 400,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 600,000
Tank 15 Wall/Slope/Fence Repair	250,000	-	-	-	-	250,000
Liberty Village Yellow Zone Tank	3,850,000	-	-	-	-	3,850,000
Tank 6B Demolition	-	-	-	-	375,000	375,000
Total Expenditures	\$4,500,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 425,000	\$ 5,075,000
Funding Sources	2021	2022	2023	2024	2025	Total
Funding Sources  Metered Water Sales	<b>2021</b> \$ 650,000	\$ <b>2022</b> 50,000	\$ <b>2023</b> 50,000	\$ <b>2024</b> 50,000	\$ <b>2025</b> 425,000	\$ <b>Total</b> 1,225,000
		\$ 	\$ 	\$ 	\$ 	\$

#### **Operational Impact**

Future repair and maintenance of tanks is ongoing and is included within currently planned maintenance and personnel costs.



Project Name Pump & Distribution System Upgrades

Project Number: Multiple

Contact: Jeanne Stevens, Engineering Manager 5 Year Historical Total \$ 1,096,120

Department: Castle Rock Water 2021-2025 Total 2,750,000

Category: Equipment CIP Project Total (2016-2025): \$ 3,846,120

Useful Life: 25 Years

# Description and Justification

The Town has nine active pump stations that are over ten years old. Pump stations are critical to providing water to customers and for moving water around Town. Although a pump station facility has an overall 50 year service life, the individual components (pumps, motors, flow meters, valves, etc.) need replacement at shorter intervals. Water Infrastructure and Supply Efficiency (WISE) deliveries are expected to increase over time as more renewable water sources are added. Modeling indicates that to accommodate and deliver WISE water around Town, future pumping capacity in certain zones will have to be increased by 2025 to move the water to distribution and storage.

The Milestone Pump Station project will upgrade a pressure reducing valve PRV at the Milestone Pump Station. A PRV vault would provide some redundancy to the distribution system and also improve water quality in this older part of Town. The distribution system upgrades project will accomplish future year water transmission and distribution facility upgrades. Valves, pressure reducing valves and vaults, and other accessories often require repair and/or replacement before water main pipes do. Such items must be maintained in good operable condition to ensure reliable water transmission and distribution. The Diamond Ridge Pump Station Control Valve upgrade is required to control WISE deliveries in 2021.

These projects help Castle Rock Water meet the priority of providing high quality water service to Town residents and businesses.

Expenditures	2021	2022	2023	2024		2025	Total
Pump Station Equipment Replacement	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$	50,000	\$ 250,000
Distribution System Upgrades	250,000	250,000	250,000	250,000		250,000	1,250,000
Well 9 Demolition	75,000	-	-	-		-	75,000
Diamond Ridge Pump Station	75,000	-	-	-		-	75,000
Green Zone Pumping Upgrades Phase 1	-	-	-	-	2	1,100,000	1,100,000
Total Expenditures	\$ 450,000	\$ 300,000	\$ 300,000	\$ 300,000	\$1	1,400,000	\$ 2,750,000
Funding Sources	2021	2022	2023	2024		2025	Total
Metered Water Sales	\$ 450,000	\$ 300,000	\$ 300,000	\$ 300,000	\$	300,000	\$ 1,650,000
System Development Fees	-	-	-	-	-	1,100,000	1,100,000
Total Funding Sources	\$ 450,000	\$ 300,000	\$ 300,000	\$ 300,000	\$1	1,400,000	\$ 2,750,000

# **Operational Impact**

Pumping Upsize estimated operating costs are \$30,074 annually and is incorporated into the Water Fund operations budget and paid for with System Development Fees as part of the Town's growth.



Project Name Waterline Rehab/Replacement

Project Number: Multiple

Contact: Jeanne Stevens, Engineering Manager 5 Year Historical Total \$ 1,378,878

Department: Castle Rock Water 2021-2025 Total 3,412,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 4,790,878

Useful Life: 50 Years

## **Description and Justification**

This project is intended to rehabilitate or replace existing Town of Castle Rock waterlines as they reach the end of their useful lives. The Glovers project is a phased approach to replace aging waterline in the Glovers neighborhood. Plans include the replacement of approximately 10,500 linear feet of eight inch water mains.

In 2023, the Liggett Road upsize project will increase the waterline size on Liggett road and the Oakwood waterline replacement project is to replace the old waterlines in the Oakwood neighborhood in order to update older infrastructure and include stormwater in that area. Also in 2023, the 5th Street Red Zone connection is to update the connection for the Red Zone on 5th Street and is timed with Public Works road improvements.

Expenditures	2021	2022	2023	2024	2025	Total
Waterline Rehab/Replacement	\$ -	\$ -	\$ -	\$ 600,000	\$ 600,000	\$ 1,200,000
Glovers Waterline Replacement	850,000	650,000	-	-	-	1,500,000
Liggett Road Upsize	-	-	174,000	-	-	174,000
Tank 11 to Pine Canyon 20"	-	-	-	-	388,000	388,000
5th St. Red Zone Connection	-	-	150,000	-	-	150,000
Total Expenditures	\$ 850,000	\$ 650,000	\$ 324,000	\$ 600,000	\$ 988,000	\$ 3,412,000
Funding Sources	2021	2022	2023	2024	2025	Total
Metered Water Sales	\$ 850,000	\$ 650,000	\$ -	\$ 600,000	\$ 600,000	\$ 2,700,000
System Development Fees	-	-	324,000	-	388,000	712,000
Total Funding Sources	\$ 850,000	\$ 650,000	\$ 324,000	\$ 600,000	\$ 988,000	\$ 3,412,000

# **Operational Impact**

There are no additional future operating expenditures associated with rehabilitation/replacement.



Project Name Security & SCADA System Improvements

Project Number: Multiple

Contact: Tim Friday, Assistant Director of Castle Rock Water 5 Year Historical Total \$ 130,096
Department: Castle Rock Water 2021-2025 Total 7,563,000

Category: Building CIP Project Total (2016-2025): \$ 7,693,096

Useful Life: 20 Years

## **Description and Justification**

This project is intended to accomplish miscellaneous small projects to increase facility security in accordance with the Facilities Vulnerability Assessment and Supervisory Control And Data Acquisition (SCADA) Master Plan and accomplish future year water transmission and distribution facility upgrades. Projects include electronic access control at all water facilities through installation of card readers or replacement of mechanical locks with electronic locks operated by programmable keys. Other projects include repair and replacement of fencing and installation of secure gates.

Projects that were identified in the 2017 Water Master Plan will need to be implemented in order to ensure distribution system reliability and capacity to deliver water in growing areas. Planned improvements include automation of several pressure reducing valve stations as identified in the plan. Most of this work will be performed by Castle Rock Water staff. These projects help Castle Rock Water meet the priority of providing high quality water service to Town residents and businesses.

Expenditures	2021	2022	2023	2024	2025	Total
Security Improvements	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
SCADA Improvements	1,488,000	1,900,000	1,695,000	1,905,000	450,000	7,438,000
Total Expenditures	\$ 1,513,000	\$ 1,925,000	\$ 1,720,000	\$ 1,930,000	\$ 475,000	\$ 7,563,000
Funding Sources	2021	2022	2023	2024	2025	Total
Metered Water Sales	\$ 1,513,000	\$ 1,925,000	\$ 1,720,000	\$ 1,930,000	\$ 475,000	\$ 7,563,000
Total Funding Sources	\$ 1,513,000	\$ 1,925,000	\$1,720,000	\$ 1,930,000	\$ 475,000	\$ 7,563,000

#### **Operational Impact**

There are no additional future operating expenditures associated with Security and SCADA System Improvements outside of the SCADA master plan.



Project Name General Facility Upgrades & Replacements

Project Number: Multiple

Contact: Tim Friday, Assistant Director of Castle Rock Water 5 Year Historical Total \$ 398,448

Department: Castle Rock Water 2021-2025 Total 1,105,000

Category: Equipment CIP Project Total (2016-2025): \$ 1,503,448

Useful Life: 20 Years

## **Description and Justification**

The general facility project is intended to upgrade an existing booster pump station, pressure reducing valves, and other water facility improvements. The facilities capital replacements project will facilitate maintaining building functionality by making needed updates and replacing portions of various facilities.

The Town operates five water treatment plants, many pump stations, pressure reducing valves (PRVs), buildings, and office space. All of these facilities require maintenance and replacements of various items and equipment. Small projects to improve the functionality and/or appearance of Town facilities are necessary. These projects include drainage, landscaping, siding and roofing, and site improvements at existing pump stations. As buildings age, components will require replacement. The facilities capital replacement project is created to accommodate those needs.

The existing access to many sites is unimproved or gravel that requires ongoing maintenance, particularly during the winter. Snowplowing and access, in general, will be improved by paving and otherwise improving site access. These projects help Castle Rock Water meet the priority of providing high quality water service to Town residents and businesses.

Expenditures		2021	2022	2023	2024	2025	Total
General Facility Upgrades		\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000
Facilities Capital Replacements		75,000	75,000	75,000	75,000	75,000	375,000
Facilities Paving		80,000	100,000	75,000	50,000	50,000	355,000
Total Expendit	ures	\$ 230,000	\$ 250,000	\$ 225,000	\$ 200,000	\$ 200,000	\$ 1,105,000
Funding Sources		2021	2022	2023	2024	2025	Total
Metered Water Sales		\$ 230,000	\$ 250,000	\$ 225,000	\$ 200,000	\$ 200,000	\$ 1,105,000

Total Funding Sources \$ 230,000 \$ 250,000 \$ 225,000 \$ 200,000 \$ 200,000 \$ 1,105,000

#### Operational Impact

There are no additional future operating expenditures associated with rehabilitation/replacement.



Project Name Administration & Customer Service Building

Project Number: 77-57

Contact: Tim Friday, Assistant Director of Castle Rock Water 5 Year Historical Total \$ 1,828,673

Department: Castle Rock Water 2021-2025 Total 1,881,344

Category: Building CIP Project Total (2016-2025): \$ 3,710,017

Useful Life: 50 Years

## **Description and Justification**

This project accommodates construction of a new Administration and Customer Service Building for Castle Rock Water. The existing Kellogg Facility will be repurposed for staff currently housed in trailers. The new building will accommodate existing and future Administration and Customer Service staff within Castle Rock Water. The Administration and Customer Service Team currently is short of space by approximately 3,000 square feet. The new facility will be designed and constructed to meet the needs of the department through buildout of the Town. A site assessment was conducted in 2013 that details existing and future conditions and identifies space needs for Castle Rock Water. The Water Fund's portion of the project will utilize reserves accumulated in prior years through system development fees and rates revenues. This project helps Castle Rock Water meet the priority of providing high quality water service to Town residents and businesses. Construction of the Castle Rock Administration and Customer Service Building was originally requested for the 2020 budget, but due to economic conditions it was delayed to 2021.

Estimated Construction Cost Water Fund: \$1,881,344

Water Resources Fund: \$842,017 Stormwater Fund: \$862,698 Wastewater Fund: \$788,853

Expenditures	2021	2022		2023		2024		2025		Total
Construction	\$ 1,881,344	\$	-	\$	-	\$	-	\$	-	\$ 1,881,344
Total Expenditures	\$ 1,881,344	\$	_	\$	_	\$	_	\$	_	\$ 1,881,344
Funding Sources	2021	2022		2023		2024		2025		Total
System Development Fees	\$ 1,881,344	\$	-	\$	-	\$	-	\$	-	\$ 1,881,344
Total Funding Sources	\$ 1,881,344	\$	-	\$	-	\$	-	\$	-	\$ 1,881,344

#### **Operational Impact**

There are general operations expenditures of approximately \$30,000 per year. The Water Fund's portion is \$12,119 per year, the Water Resources Fund's portion is \$5,689 per year, the Stormwater Fund's portion is \$5,510 per year, and the Wastewater Fund's portion is \$6,682 per year.



# WATER RESOURCES FUND CASTLE ROCK WATER PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2021	2022	2023	2024	2025	Total
WISE Project	\$ 2,300,695	\$ 9,692,472	\$ 9,731,260	\$ 1,020,048	\$1,308,836	\$ 24,053,311
Alternative Source of Supply Project	1,050,000	150,000	-	-	-	1,200,000
Newlin Gulch Pipeline and Pump Station	500,000	-	-	-	-	500,000
Castle Rock Reservoir System	7,530,000	6,780,000	-	4,400,000	-	18,710,000
Cherry Creek Water Rights	250,000	-	-	-	-	250,000
Administration & Customer Service Bldg	842,017	-	-	-	-	842,017
Miscellaneous Projects	425,383	-	850,000	149,000	982,000	2,406,383
Chatfield Reallocation Project	-	1,075,000	-	1,075,000	-	2,150,000
PCWPF Expansion	-	-	400,000	-	-	400,000
Parker Water & Sanitation Capacity	-	-	-	3,840,000	3,840,000	7,680,000
Total Expenditures by Year	\$12,898,095	\$17,697,472	\$10,981,260	\$10,484,048	\$6,130,836	\$ 58,191,711

Project Funding Sources	2021	2022	2023	2024	2025	Total
System Development Fees	\$ 4,820,523	\$ 5,840,166	\$ 3,623,816	\$ 3,459,736	\$2,023,176	\$ 19,767,416
Water Resources Fees	8,077,572	11,857,306	7,357,444	7,024,312	4,107,660	38,424,295
<b>Total Funding Sources by Year</b>	\$12,898,095	\$17,697,472	\$10,981,260	\$10,484,048	\$6,130,836	\$ 58,191,711

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



Project Name WISE Project

Project Number: 77-72

Contact: Matt Benak, Water Resources Manager 5 Year Historical Total \$ 39,382,168

Department: Castle Rock Water 2021-2025 Total 24,053,311

Category: Water Rights CIP Project Total (2016-2025): \$ 63,435,479

Useful Life: Perpetual/50 Years

#### **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 percent 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. This project includes securing 2,000 acre-feet per year (AF/year) (Castle Rock's original subscription plus 1,000 AF of the Douglas County option) of water on average from Denver and Aurora and building 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. Funds are also included for the purchase from PWSD of additional treatment capacity in Rueter Hess Reservoir (RHR).

Expenditures	2021	2022	2023	2024	2025	Total
WISE Local Infrastructure	\$ 2,000,000	\$ 9,000,000	\$ 9,000,000	\$ -	\$ -	\$ 20,000,000
WISE Infrastructure	-	250,000	-	-	-	250,000
WISE Option Agreement	33,695	168,472	449,260	730,048	1,010,836	2,392,311
PWSD Asset Recovery Charges	267,000	274,000	282,000	290,000	298,000	1,411,000
Purchase Capacity in PWSD RHR	-	-	-	-	-	
Total Expenditures	\$ 2,300,695	\$ 9,692,472	\$ 9,731,260	\$1,020,048	\$ 1,308,836	\$ 24,053,311
Funding Sources	2021	2022	2023	2024	2025	Total
System Development Fees	\$ 759,229	\$ 3,198,516	\$ 3,211,316	\$ 336,616	\$ 431,916	\$ 7,937,593
Water Resources Fees	1,541,466	6,493,956	6,519,944	683,432	876,920	16,115,718
Total Funding Sources	\$ 2,300,695	\$ 9,692,472	\$ 9,731,260	\$ 1,020,048	\$ 1,308,836	\$ 24,053,311

#### 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 \$4.6 million each year once the full WISE delivery schedule begins in 2021 and beyond and are incorporated in the Water Resources Fund's operations budget.



Project Name Alternative Source of Supply Project

Project Number: 77-30

Contact: Matt Benak, Water Resources Manager 5 Year Historical Total \$ 54,690,312

Department: Castle Rock Water 2021-2025 Total 1,200,000

Category: Water Rights CIP Project Total (2016-2025): \$ 55,890,312

Useful Life: 50 Years

#### **Description and Justification**

The Alternative Source of Supply (ASOS) 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 acrefeet of renewable surface water rights and all legal costs associated with enabling the water to be used in Castle Rock. It also includes legal and engineering due diligence, construction of a well field on the Box Elder (BE) property (located in Weld County), demolishing current structures on BE property, abandoning existing wells, 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. The Town owns substantial Denver Basin groundwater supplies and a limited amount of surface water on Plum Creek. However, as the demand for water increases with the Town population, other supplies will need to be secured to meet that demand. Sustainable water supplies must be imported to the Town with a focus on proximity and feasibility in order to meet the Town goal of 75% renewable water.

Expenditures		2021	2022	2023		2024		2025		Total
ASOS Box Elder Creek Project	\$	300,000	\$ 150,000	\$	-	\$	-	\$	-	\$ 450,000
ASOS Demolish Structures on BE Property		750,000	-		-		-		-	750,000
Total Expenditures	\$ :	1,050,000	\$ 150,000	\$	-	\$	-	\$	-	\$ 1,200,000
Funding Sources		2021	2022	2023		2024		2025		Total
Funding Sources System Development Fees	\$	<b>2021</b> 346,500	\$ <b>2022</b> 49,500	\$ 2023	-	\$ 2024	-	\$ 2025	-	\$ <b>Total</b> 396,000
	\$		\$ 	\$ 2023	- -	\$ 2024	-	\$ 2025	- -	\$

#### 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 future operational costs will be funded by rates.



Project Name Newlin Gulch Pipeline and Pump Station

Project Number: 78-04

Contact: Matt Benak, Water Resources Manager 5 Year Historical Total \$ 3,042,125

Department: Castle Rock Water 2021-2025 Total 500,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 3,542,125

Useful Life: 50 Years

## **Description and Justification**

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

Expenditures	2021	2022		2023		2024		2025		Total
Upgrades for Newlin Gulch Pipeline	\$ 500,000	\$	-	\$	-	\$	-	\$	-	\$ 500,000
Total Expenditures	\$ 500,000	\$	_	\$	_	\$	-	\$	-	\$ 500,000
Funding Sources	2021	2022		2023		2024		2025		Total
Funding Sources System Development Fees	\$ <b>2021</b> 165,000	\$ 2022	_	\$ 2023	_	\$ 2024	_	\$ 2025	_	\$ <b>Total</b> 165,000
	\$ 	\$ 2022	- -	\$ 2023	- -	\$ 2024	-	\$ 2025	-	\$

#### **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.



Project Name Castle Rock Reservoir System

Project Number: Multiple

Contact: Matt Benak, Water Resources Manager 5 Year Historical Total \$ 250,000

Department: Castle Rock Water 2021-2025 Total 18,710,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 18,960,000

Useful Life: 50 Years

# **Description and Justification**

Castle Rock reservoir number 2 project includes the construction of a new 1,130 acre-foot raw water storage reservoir on the Plum Creek Trust property in Sedalia, Colorado, followed by a 370 acre-foot expansion of the existing Castle Rock Reservoir No. 1 (CR-1) reservoir on the same property in 2024. This additional storage space will allow Castle Rock Water to store fully-reusable effluent and 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. Additionally, monies are included to perform repair and maintenance activities on Castle Rock Reservoir No. 1 in 2021 and to improve CR-1 Diversion adjacent to the Plum Creek Water Purification Facility.

Expenditures	2021	2022	2023		2024	2025		Total
Castle Rock Reservoir No. 2	\$ 6,780,000	\$6,780,000	\$	-	\$ -	\$	-	\$ 13,560,000
CR-1 Diversion Improvements	750,000	-		-	-		-	750,000
Castle Rock Reservoir No. 1 Expansion	-	-		-	4,400,000		-	4,400,000
Total Expenditures	\$ 7,530,000	\$6,780,000	\$	-	\$4,400,000	\$	-	\$ 18,710,000
Funding Sources	2021	2022	2023		2024	2025		Total
Funding Sources System Development Fees	<b>2021</b> \$ 2,484,900	<b>2022</b> \$2,237,400		_	<b>2024</b> \$ 1,452,000	\$ 2025	_	\$ <b>Total</b> 6,174,300
				- -		 2025	- -	\$

#### **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 and will be incorporated in the Water Resources Fund's operations budget.



Project Name Cherry Creek Water Rights

Project Number: Multiple

Contact: Matt Benak, Water Resources Manager 5 Year Historical Total \$ -

Department: Castle Rock Water

2021-2025 Total 250,000 CIP Project Total (2016-2025): \$ 250,000

Useful Life: 50 Years

Category: Infrastructure

## **Description and Justification**

As part of Castle Rock's goal towards 75 percent renewable water, the Town is pursuing the purchase of water rights from Arapahoe County Water and Wastewater Authority (ACWWA) as part of their participation in the Cherry Creek Project Water Authority. This purchase would give 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 water rights. Once acquired, the Town could put the water to immediate use through a partnership with the Pinery. New infrastructure would need to be built as well to pump, transmit and store the Cherry Creek water rights to realize the maximum yield.

Expenditures	2021	2022		2023		2024		2025		Total
Cherry Creek Pipeline, Alluvial Wells, etc.	\$ 250,000	\$	-	\$	-	\$	-	\$	-	\$ 250,000
Total Expenditures	\$ 250,000	\$	-	\$	-	\$	-	\$	-	\$ 250,000
Funding Sources	2021	2022		2023		2024		2025		Total
Funding Sources System Development Fees	\$ <b>2021</b> 82,500	\$ 2022	-	\$ 2023	_	\$ 2024	_	\$ 2025	-	\$ <b>Total</b> 82,500
	\$ 	\$ 2022	- -	\$ 2023	- -	\$ 2024	- -	\$ 2025	- -	\$ 

#### **Operational Impact**

The operational impact of this project will be known following project completion. Costs will be budgeted in the future when better understood.



Project Name Administration & Customer Service Bldg

Project Number: 77-57

Contact: Tim Friday, Assistant Director of Castle Rock Water 5 Year Historical Total \$ 819,042

Department: Castle Rock Water 2021-2025 Total 842,017

Category: Building CIP Project Total (2016-2025): \$ 1,661,059

Useful Life: 50 Years

## **Description and Justification**

This project accommodates construction of a new Administration and Customer Service Building for Castle Rock Water. The existing Kellogg Facility will be repurposed for staff currently housed in trailers. The new building will accommodate existing and future Administration and Customer Service staff within Castle Rock Water. The Administration and Customer Service Team currently is short of space by approximately 3,000 square feet. The new facility will be designed and constructed to meet the needs of the department through buildout of the Town. A site assessment was conducted in 2013 that details existing and future conditions and identifies space needs for Castle Rock Water. The Water Fund's portion of the project will utilize reserves accumulated in prior years through system development fees and rates revenues. This project helps Castle Rock Water meet the priority of providing high quality water service to Town residents and businesses. Construction of the Castle Rock Administration and Customer Service Building was originally requested for the 2020 budget, but due to economic conditions it was delayed to 2021.

Estimated Construction Cost Water Fund: \$1,881,344

Water Resources Fund: \$842,017 Stormwater Fund: \$862,698 Wastewater Fund: \$788,853

Expenditures		2021	2022		2023		2024		2025		Total
Construction	\$	842,017	\$	-	\$	-	\$	-	\$	-	\$ 842,017
Total Expenditure	s \$	842,017	\$	_	\$	_	\$	_	\$	_	\$ 842,017
Funding Sources		2021	2022		2023		2024		2025		Total
System Development Fees	\$	842,017	\$	-	\$	-	\$	-	\$	-	\$ 842,017

#### **Operational Impact**

There are general operations expenditures of approximately \$30,000 per year. The Water Fund's portion is \$12,119 per year, the Water Resources Fund's portion is \$5,689 per year, the Stormwater Fund's portion is \$5,510 per year, and the Wastewater Fund's portion is \$6,682 per year.



Project Name Miscellaneous Projects

Project Number: Multiple

Contact: Matt Benak, Water Resources Manager 5 Year Historical Total \$ 231,678

Department: Castle Rock Water 2021-2025 Total 2,406,383

Category: Infrastructure CIP Project Total (2016-2025): \$ 2,638,061

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, additional stream gages and improvements to Castle Rock Water's SCADA system.

Expenditures	2021	2022		2023	2024	2025	Total
ASR Program	\$ -	\$	-	\$ 850,000	\$ -	\$ 200,000	\$ 1,050,000
Stream Gages	250,000		-	-	-	-	250,000
SCADA System Improvements	175,383		-	-	 149,000	782,000	 1,106,383
Total Expenditures	\$ 425,383	\$	-	\$ 850,000	\$ 149,000	\$ 982,000	\$ 2,406,383
Funding Sources	2021	2022		2023	2024	2025	Total
Funding Sources System Development Fees	\$ <b>2021</b> 140,376	\$ 2022	_	\$ <b>2023</b> 280,500	\$ <b>2024</b> 49,170	\$ <b>2025</b> 324,060	\$ <b>Total</b> 794,106
	\$ 	\$ 2022	- -	\$ 	\$ 	\$ 	\$ 

# **Operational Impact**

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



Project Name Chatfield Reallocation Project

Project Number: 77-29

Contact: Matt Benak, Water Resources Manager 5 Year Historical Total \$ 3,242,597

Department: Castle Rock Water 2021-2025 Total 2,150,000

Category: Water Rights CIP Project Total (2016-2025): \$ 5,392,597

Useful Life: Perpetual

# **Description and Justification**

This project will fund the participation and maintenance costs of the Town's reserved storage space (590 acre-feet) in the Chatfield Reservoir Reallocation Project. The Town plans to increase its participation rate to 2,000 acre-feet over the next 15 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), Castle Rock Water's portion is reflected in the numbers below. The future goal of the Town is to provide 75 percent renewable water supply annually to its customers and this project will be a key component to achieve that goal.

Expenditures		2021			2022	2023			2024	2025		Total
Additional Storage		\$	-	\$ 1	,075,000	\$	-	\$ 1	,075,000	\$	-	\$ 2,150,000
	Total Expenditures	\$	-	\$1	,075,000	\$	-	\$ 1	,075,000	\$	-	\$ 2,150,000
<b>Funding Sources</b>		2021			2022	2023			2024	2025		Total
Funding Sources System Developmen	t Fees	\$ 2021	_	\$	<b>2022</b> 354,750	\$ 2023	_	\$	<b>2024</b> 354,750	\$ 2025	_	\$ <b>Total</b> 709,500
		\$ 2021	- -	\$		\$ 2023	- -	\$		\$ 2025	- -	\$ 

#### **Operational Impact**

Future operating and maintenance expenses of the reservoir are anticipated to be approximately \$120,000 a year beginning in 2021 and beyond and are incorporated in the Water Resources Fund's operations budget.



Project Name PCWPF Expansion

Project Number: 77-75

Contact: Matt Benak, Water Resources Manager 5 Year Historical Total \$ 16,360,572

Department: Castle Rock Water 2021-2025 Total 400,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 16,760,572

Useful Life: 50 Years

## **Description and Justification**

Advanced treatment processes are necessary for the effective treatment of the Town's Plum Creek surface water supplies. The future goal of the Town is to provide 75 percent renewable water supply annually to its customers and this project will be a key component to achieve that goal. This project includes the replacement of 2 million gallons per day of capacity of microfiltration membranes that were originally installed in 2013.

Expenditures	2021		2022		2023	2024		2025		Total
PCWPF Expansion	\$	-	\$	-	\$ 400,000	\$	-	\$	-	\$ 400,000
Total Expenditures	\$	-	\$	-	\$ 400,000	\$	-	\$	-	\$ 400,000
Funding Sources	2021		2022		2023	2024		2025		Total
System Development Fees	\$	-	\$	-	\$ 132,000	\$	-	\$	-	\$ 132,000
Water Resources Fees		-		-	268,000		-		-	268,000

#### **Operational Impact**

Estimated operation and maintenance costs for advanced treatment processes are estimated \$1.1 million in 2021 and beyond and are incorporated in the Water Resources Fund's operations budget.



Project Name Parker Water & Sanitation Capacity

Project Number: Multiple

Contact: Matt Benak, Water Resources Manager 5 Year Historical Total \$ 250,000

Department: Castle Rock Water 2021-2025 Total 7,680,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 7,930,000

Useful Life: 50 Years

## **Description and Justification**

This project involves purchasing 3 million gallons per day (MGD) of treatment capacity at Parker Water and Sanitation District's Rueter-Hess Water Purification Facility (PWSD RHWPF) so that the Town can treat its stored water supplies from Rueter-Hess Reservoir. Eventually, Castle Rock plans to own 12 MGD of capacity in Parker's treatment plant.

Expenditures	2021		2022		2023		2024	2025	Total
Capacity in PWSD RHWTF	\$	-	\$	-	\$	-	\$ 3,840,000	\$ 3,840,000	\$ 7,680,000
Total Expenditures	\$	_	\$	_	\$	-	\$ 3,840,000	\$ 3,840,000	\$ 7,680,000
Funding Sources	2021		2022		2023		2024	2025	Total
System Development Fees	\$	-	\$	-	\$	-	\$ 1,267,200	\$ 1,267,200	\$ 2,534,400
Water Resources Fees		-		-		-	2,572,800	2,572,800	5,145,600

# **Operational Impact**

The operational impact of this project will be known following project completion. Costs will be budgeted in the future when better understood.



# STORMWATER FUND CASTLE ROCK WATER PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2021	2022	2023	2024	2025	Total
Minor Drainageway Stabilization	\$ 184,470	\$ 190,927	\$ 197,609	\$ 204,526	\$ 155,319	\$ 932,851
Stream Stabilization	7,128,092	784,000	88,005	1,411,481	1,037,333	10,448,911
Detention Pond Retrofits	59,384	61,463	63,614	65,840	68,017	318,318
Watershed Master Plan Updates	30,000	337,313	369,274	293,361	430,000	1,459,948
Administration & Customer Service Building	862,698	-	-	-	-	862,698
Corrugated Metal Pipe Rehabilitation	-	295,022	305,347	316,035	326,480	1,242,884
Total Expenditures by Year	\$ 8,264,644	\$ 1,668,725	\$1,023,849	\$ 2,291,243	\$ 2,017,149	\$ 15,265,610

Project Funding Sources	2021	2022	2023	2024	2025	Total
Stormwater Charges	\$ 3,840,083	\$ 1,089,562	\$ 776,546	\$ 1,414,949	\$ 1,286,556	\$ 8,407,69
System Development Fees	4,424,561	579,163	247,303	876,294	730,593	6,857,91
<b>Total Funding Sources by Year</b>	\$ 8,264,644	\$ 1,668,725	\$1,023,849	\$ 2,291,243	\$ 2,017,149	\$ 15,265,61

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.



**Industrial Tributary** 



Project Name Minor Drainageway Stabilization

Project Number: Multiple

Contact:David Van Dellen, Stormwater Manager5 Year Historical Total\$ 334,068Department:Castle Rock Water2021-2025 Total932,851

Category: Infrastructure CIP Project Total (2016-2025): \$ 1,266,919

Useful Life: 50 Years

## **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 projects will provide improvements for 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	2021	2022	2023	2024	2025	Total
Minor Drainage Way Stab PC	\$ 100,573	\$ 104,093	\$ 107,736	\$ 111,507	\$ 84,680	\$ 508,589
Minor Drainage Way Stab CC	83,897	86,834	89,873	93,019	70,639	424,262
Total Expenditures	\$ 184,470	\$ 190,927	\$ 197,609	\$ 204,526	\$ 155,319	\$ 932,851
Funding Sources	2021	2022	2023	2024	2025	Total
Funding Sources Stormwater Charges	\$ <b>2021</b> 115,372	\$ <b>2022</b> 119,410	\$ <b>2023</b> 130,060	\$ <b>2024</b> 127,916	\$ <b>2025</b> 97,141	\$ <b>Total</b> 589,899
	\$ 	\$ 	\$	\$ 	\$	\$ 

#### **Operational Impact**



Project Name Stream Stabilization

Project Number: Multiple

Contact: David Van Dellen, Stormwater Manager 5 Year Historical Total \$ 334,068

Department: Castle Rock Water 2021-2025 Total 10,448,911

Category: Infrastructure CIP Project Total (2016-2025): \$ 10,782,979

Useful Life: 50 Years

## **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 between engineered hard points that reduce channel slope and erosion. 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. 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:

2021 - McMurdo Gulch, Village North, East Plum Creek and 6400 South Tributary

**2022** - Omni Tributary

2023 - McMurdo Gulch

2024 - McMurdo Gulch, Sellars Gulch, Parkview Tributary, East Plum Creek

2025 - McMurdo Gulch, Sellars Gulch, Parkview Tributary, East Plum Creek

Expenditures	2021	2022	2023	2024	2025	Total
Total Drainage Way Stabilization PC	\$ 4,981,592	\$ 784,000	\$ -	\$ 1,295,490	\$ 953,490	\$ 8,014,572
Total Drainage Way Stabilization CC	2,146,500	-	88,005	115,991	83,843	2,434,339
Total Expenditures	\$ 7,128,092	\$ 784,000	\$ 88,005	\$ 1,411,481	\$ 1,037,333	\$ 10,448,911
Funding Sources	2021	2022	2023	2024	2025	Total
Funding Sources Stormwater Charges	\$ 	\$ <b>2022</b> 399,840	\$ <b>2023</b> 44,883	<b>2024</b> \$ 719,855	\$ <b>2025</b> 529,040	\$ <b>Total</b> 5,328,945
	\$ 	\$ 	\$ 		\$ 	\$ 

## **Operational Impact**



Project Name Detention Pond Retrofits

Project Number: 77-18

Contact: David Van Dellen, Stormwater Manager 5 Year Historical Total \$ 117,156

Department: Castle Rock Water 2021-2025 Total 318,318

Category: Infrastructure CIP Project Total (2016-2025): \$ 435,474

Useful Life: 50 Years

## **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			2021	2022	2023		2024		2025	Total
Detention Ponds		\$	59,384	\$ 61,463	\$ 63,614	\$	65,840	\$	68,017	\$ 318,318
Total Expend	ditures	\$	59,384	\$ 61,463	\$ 63,614	\$	65,840	\$	68,017	\$ 318,318
Funding Sources			2021	2022	2023		2024		2025	Total
Stormwater Charges		\$	59,384	\$ 61,463	\$ 63,614	\$	65,840	\$	68,017	\$ 318,318
Total Founding C		_	FO 204	 64.462	 62.644	_	CE 040	_	60.047	 240 240
Total Funding S	ources _	\$	59,384	\$ 61,463	\$ 63,614	\$	65,840	\$	68,017	\$ 318,318

## **Operational Impact**



Project Name Watershed Master Plan Updates

Project Number: 78-74

Contact: David Van Dellen, Stormwater Manager 5 Year Historical Total \$ -

Department: Castle Rock Water 2021-2025 Total 1,459,948
Category: Infrastructure CIP Project Total (2016-2025): \$ 1,459,948

Useful Life: Perpetual

#### **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 beginning in 2022. 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. Funding for chase drain installations is allocated to assist with excessive dry weather water over sidewalks in residential subdivisions. Chase drain installations are on a request basis and authorized following a monitoring period per the chase drain policy. Funds are allocated between rates and fees based on impacts estimated from existing development and growth.

Expenditures	2021	2022	2023	2024	2025	Total
Master Plan GIS Database Tool	\$ -	\$ 61,462	\$ -	\$ -	\$ -	\$ 61,462
Watershed MP Updates	-	245,851	339,274	263,361	400,000	1,248,486
Chase Drains Installations	30,000	30,000	30,000	30,000	30,000	150,000
Total Expenditures	\$ 30,000	\$ 337,313	\$ 369,274	\$ 293,361	\$ 430,000	\$ 1,459,948
Funding Sources	2021	2022	2023	2024	2025	Total
Funding Sources Stormwater Charges	\$ <b>2021</b> 30,000	\$ <b>2022</b> 213,827	\$ <b>2023</b> 232,643	\$ <b>2024</b> 185,303	\$ <b>2025</b> 265,878	\$ <b>Total</b> 927,651
	\$ 	\$ 	\$ 	\$ 	\$ 	\$ 

#### **Operational Impact**



Project Name Administration & Customer Service Building

Project Number: 77-57

Contact: Tim Friday, Assistant Director of Castle Rock Water 5 Year Historical Total \$

Department: Castle Rock Water 2021-2025 Total 862,698

Category: Building CIP Project Total (2016-2025): \$ 862,698

Useful Life: 50 Years

## **Description and Justification**

This project accommodates construction of a new Administration and Customer Service Building for Castle Rock Water. The existing Kellogg Facility will be repurposed for staff currently housed in trailers. The new building will accommodate existing and future Administration and Customer Service staff within Castle Rock Water. The Administration and Customer Service Team currently is short of space by approximately 3,000 square feet. The new facility will be designed and constructed to meet the needs of the department through buildout of the Town. A site assessment was conducted in 2013 that details existing and future conditions and identifies space needs for Castle Rock Water. The Water Fund's portion of the project will utilize reserves accumulated in prior years through system development fees and rates revenues. This project helps Castle Rock Water meet the priority of providing high quality water service to Town residents and businesses. Construction of the Castle Rock Administration and Customer Service Building was originally requested for the 2020 budget, but due to economic conditions it was delayed to 2021.

Estimated Construction Cost Water Fund: \$1,881,344

Water Resources Fund: \$842,017 Stormwater Fund: \$862,698 Wastewater Fund: \$788,853

Expenditures	2021	2022		2023		2024		2025		Total
Construction	\$ 862,698	\$	-	\$	-	\$	-	\$	-	\$ 862,698
Total Expenditures	\$ 862,698	\$	_	\$	_	\$	_	\$	_	\$ 862,698
Funding Sources	2021	2022		2023		2024		2025		Total
System Development Fees	\$ 862,698	\$	-	\$	-	\$	-	\$	-	\$ 862,698

#### **Operational Impact**

There are general operations expenditures of approximately \$30,000 per year. The Water Fund's portion is \$12,119 per year, the Water Resources Fund's portion is \$5,689 per year, the Stormwater Fund's portion is \$5,510 per year, and the Wastewater Fund's portion is \$6,682 per year.



Project Name Corrugated Metal Pipe Rehabilitation

Project Number: 78-73

Contact: David Van Dellen, Stormwater Manager 5 Year Historical Total \$ -

Department: Castle Rock Water 2021-2025 Total 1,242,884

Category: Infrastructure CIP Project Total (2016-2025): \$ 1,242,884

Useful Life: 20-50 Years

## **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. If a pipe fails, it causes corrosion and deterioration, which would result in subgrade failure in pavement above the pipe. This program will help ensure rehabilitation to existing CMP systems prior to infrastructure failure and prolong the life of the system by 20 to 50 years. 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.

	20	21			2022		2023		2024		2025		Total
	\$		-	\$	295,022	\$	305,347	\$	316,035	\$	326,480	\$	1,242,884
Total Expenditures	\$		-	\$	295,022	\$	305,347	\$	316,035	\$	326,480	\$	1,242,884
	20	21			2022		2023		2024		2025		Total
	\$		-	\$	295,022	\$	305,347	\$	316,035	\$	326,480	\$	1,242,884
tal Funding Sources	<u> </u>		_	<u>^</u>	295,022	Ś	305,347	_	316,035	Ś	326,480	ć	1,242,884
		\$ Total Expenditures \$ 20	2021 \$	\$ -  Total Expenditures \$ -  2021 \$ -	\$ - \$  Total Expenditures \$ - \$  2021  \$ - \$	\$ - \$ 295,022  Total Expenditures	\$ - \$ 295,022 \$  Total Expenditures	\$ - \$ 295,022 \$ 305,347  Total Expenditures \$ - \$ 295,022 \$ 305,347  2021 2022 2023 \$ - \$ 295,022 \$ 305,347	\$ - \$ 295,022 \$ 305,347 \$  Total Expenditures \$ - \$ 295,022 \$ 305,347 \$  2021 2022 2023  \$ - \$ 295,022 \$ 305,347 \$	\$ - \$ 295,022 \$ 305,347 \$ 316,035  Total Expenditures \$ - \$ 295,022 \$ 305,347 \$ 316,035  2021 2022 2023 2024  \$ - \$ 295,022 \$ 305,347 \$ 316,035	\$ - \$ 295,022 \$ 305,347 \$ 316,035 \$  Total Expenditures \$ - \$ 295,022 \$ 305,347 \$ 316,035 \$  2021 2022 2023 2024  \$ - \$ 295,022 \$ 305,347 \$ 316,035 \$	\$ - \$ 295,022 \$ 305,347 \$ 316,035 \$ 326,480         Total Expenditures       - \$ 295,022 \$ 305,347 \$ 316,035 \$ 326,480         2021       2022       2023       2024       2025         \$ - \$ 295,022 \$ 305,347 \$ 316,035 \$ 326,480	\$ - \$ 295,022 \$ 305,347 \$ 316,035 \$ 326,480 \$  Total Expenditures \$ - \$ 295,022 \$ 305,347 \$ 316,035 \$ 326,480 \$  2021 2022 2023 2024 2025  \$ - \$ 295,022 \$ 305,347 \$ 316,035 \$ 326,480 \$

## **Operational Impact**



# WASTEWATER FUND CASTLE ROCK WATER PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2021	2022	2023	2024	2025	Total
Lift Station Upgrades	\$ 444,000	\$ 410,000	\$ 370,000	\$ 370,000	\$ 370,000	\$ 1,964,000
Sewer Line Rehabilitation	2,950,000	2,400,000	2,400,000	2,400,000	2,400,000	12,550,000
Security System Improvements	333,000	590,000	369,000	279,000	50,000	1,621,000
PCWRA Projects	2,357,051	625,015	428,465	428,106	430,845	4,269,482
Prairie Hawk Interceptor	2,012,075	417,000	-	-	934,098	3,363,173
Malibu Street Upsize	450,000	-	-	50,000	450,000	950,000
Administration & Customer Service Building	788,853	-	-	-	-	788,853
Kinner Street Bottleneck	-	-	2,117,000	-	-	2,117,000
Total Expenditures by Year	\$ 9,334,979	\$ 4,442,015	\$ 5,684,465	\$ 3,527,106	\$ 4,634,943	\$ 27,623,508

<b>Project Funding Sources</b>	2021	2022	2023	2024	2025	Total
Wastewater Service Charges	\$ 4,082,000	\$ 3,755,000	\$ 5,611,000	\$ 3,404,000	\$ 3,175,000	\$ 20,027,000
System Development Fees	5,252,979	687,015	73,465	123,106	1,459,943	7,596,508
Total Funding Sources by Year	\$ 9,334,979	\$ 4,442,015	\$ 5,684,465	\$ 3,527,106	\$ 4,634,943	\$ 27,623,508

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.



Manhole Replacement



Project Name Lift Station Upgrades

Project Number: Multiple

Contact: Jeanne Stevens, Engineering Manager 5 Year Historical Total \$ 196,679

Department: Castle Rock Water 2021-2025 Total 1,964,000

Category: Equipment CIP Project Total (2016-2025): \$ 2,160,679

Useful Life: 20 Years

## **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 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 motor controller (VFD) replacement is needed at Wastewater facilities to replace VFD's which are obsolete.

Lift station improvements are needed at the Mitchell Creek Lift Station in 2021.

Lift Station paving is needed to replace pavement at the Sellars Gulch Lift Station in 2021 and the Maher Lift Station access road in

Expenditures	2021	2022	2023	2024	2025	Total
Lift Station Rehab/Replacement	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Lift Station Pump & Motor Replacement	100,000	100,000	100,000	100,000	100,000	500,000
Lift Station Mixing Improvements	32,000	-	-	-	-	32,000
WW Facility VFD Replacements	220,000	220,000	220,000	220,000	220,000	1,100,000
Lift Station Paving	42,000	40,000	-	-	-	82,000
Total Expenditures	\$ 444,000	\$ 410,000	\$ 370,000	\$ 370,000	\$ 370,000	\$ 1,964,000
Funding Sources	2021	2022	2023	2024	2025	Total
Wastewater Service Charges	\$ 444,000	\$ 410,000	\$ 370,000	\$ 370,000	\$ 370,000	\$ 1,964,000
Total Funding Sources	\$ 444,000	\$ 410,000	\$ 370,000	\$ 370,000	\$ 370,000	\$ 1,964,000

# **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.



Project Name Sewer Line Rehabilitation

Project Number: 75-62

Contact: Jeanne Stevens, Engineering Manager 5 Year Historical Total \$801,580

Department: Castle Rock Water 2021-2025 Total 12,550,000

Category: Infrastructure CIP Project Total (2016-2025): \$13,351,580

Useful Life: 50 Years

#### **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 improvements and coordinate with the Public Works Department to complete projects ahead of the Pavement Maintenance Program to minimize impacts. The rehabilitation program will address the requirements of Environmental Protection Agency's (EPA) Capacity, Management, Operation, and Maintenance (CMOM) programs.

The Woodlands Manhole rehab project will eliminate manholes that are severely corroded, reduce sewer odors along a popular trail, and improve access.

Expenditures	2021	2022	2023	2024	2025		Total
Repair	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$	12,000,000
Woodland Manholes	550,000	-	-	-	-		550,000
Total Expenditures	\$ 2,950,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$	12,550,000
Funding Sources	2021	2022	2023	2024	2025		Total
Wastewater Service Charges	\$ 2,950,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$	12,550,000
Total Funding Sources		\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	_	12,550,000

#### **Operational Impact**



Project Name Security System Improvements

Project Number: 75-36

Contact: Tim Friday, Assistant Director of Castle Rock Water 5 Year Historical Total \$ 40,089

Department: Castle Rock Water 2021-2025 Total 1,621,000

Category: Building
Useful Life: 20 Years

CIP Project Total (2016-2025): \$ 1,661,089

## **Description and Justification**

These miscellaneous projects are needed to increase security at wastewater facilities in accordance with the vulnerability assessment. The vulnerability 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 continue to be monitored and controlled remotely.

Expenditures	2021	2022	2023	2024	2025	Total
Security Improvements	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
SCADA System Improvements	308,000	565,000	344,000	254,000	25,000	1,496,000
Total Expenditures	\$ 333,000	\$ 590,000	\$ 369,000	\$ 279,000	\$ 50,000	\$ 1,621,000
- II 0			2022	2024	2025	Total
Funding Sources	2021	2022	2023	2024	2025	iotai
Wastewater Service Charges	\$ 333,000	\$ 590,000	\$ 369,000	\$ 279,000	\$ 50,000	\$ 1,621,000
	\$ 	\$ 	\$ 	\$ 	\$ 	\$ 

#### **Operational Impact**



Project Name PCWRA Projects

Project Number: Multiple

Contact: Jeanne Stevens, Engineering Manager 5 Year Historical Total \$ 355,000

Department: Castle Rock Water 2021-2025 Total 4,269,482

Category: Infrastructure CIP Project Total (2016-2025): \$ 4,624,482

Useful Life: 50 Years

## **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.

Expenditures	2021	2022	2023	2024	2025	Total
Capital Buy-In	\$ 2,002,051	\$ 270,015	\$ 73,465	\$ 73,106	\$ 75,845	\$ 2,494,482
PCWRA Rehab/Replacement	355,000	355,000	355,000	355,000	355,000	1,775,000
Total Expenditures	\$ 2,357,051	\$ 625,015	\$ 428,465	\$ 428,106	\$ 430,845	\$ 4,269,482
Funding Sources	2021	2022	2023	2024	2025	Total
Funding Sources System Development Fees	<b>2021</b> \$ 2,002,051	\$ <b>2022</b> 270,015	\$ <b>2023</b> 73,465	\$ <b>2024</b> 73,106	\$ <b>2025</b> 75,845	\$ <b>Total</b> 2,494,482
		\$ 	\$	\$ 	\$	\$

#### **Operational Impact**

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



Project Name Prairie Hawk Interceptor

Project Number: 75-92

Contact: Jeanne Stevens, Engineering Manager 5 Year Historical Total \$

Department: Castle Rock Water 2021-2025 Total 3,363,173

Category: Equipment CIP Project Total (2016-2025): \$ 3,363,173

Useful Life: 50 Years

# **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 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	2021	2022	2023		2024		2025	Total
Prairie Hawk Interceptor	-	\$ 417,000	\$	-	\$	-	\$ -	\$ 417,000
Plum Creek Interceptor	2,012,075	-		-		-	934,098	2,946,173
Total Expenditures	\$ 2,012,075	\$ 417,000	\$	-	\$	-	\$ 934,098	\$ 3,363,173
Funding Sources	2021	2022	2023		2024		2025	Total
Funding Sources System Development Fees	<b>2021</b> \$ 2,012,075	\$ <b>2022</b> 417,000	\$ 2023	-	\$ 2024	-	\$ <b>2025</b> 934,098	\$ <b>Total</b> 3,363,173
	\$ 2,012,075	\$ 	\$ 2023	-	\$ 2024	-	\$ 	\$ 

#### **Operational Impact**

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



Project Name Malibu Street Upsize

Project Number: 75-20

Contact: Jeanne Stevens, Engineering Manager 5 Year Historical Total \$ - partment: Castle Rock Water 2021-2025 Total 950,000

Department: Castle Rock Water
Category: Infrastructure

CIP Project Total (2016-2025): \$ 950,000

Useful Life: 50 Years

# **Description and Justification**

This project replaces 1,130 linear feet of existing 15-inch clay pipe to 18 or 21-inch PVC (size to be determined) on Malibu Street in the Village North neighborhood. Timing is coordinated with a stormwater project that may require realignment of the sewer, at which time it would be upsized. Upstream development is contributing to the cost of the project through system development fees. Phase II of the project will upsize an upstream segment to accommodate future flows.

Expenditures		2021	2022		2023		2024	2025	Total
Malibu Street Upsize	\$	450,000	\$	-	\$	-	\$ 50,000	\$ 450,000	\$ 950,000
Total Expenditure	s \$	450,000	\$	-	\$	-	\$ 50,000	\$ 450,000	\$ 950,000
Funding Sources		2021	2022		2023		2024	2025	Total
Funding Sources System Development Fees	\$		\$ 2022	-	\$ 2023	-	\$ <b>2024</b> 50,000	\$ <b>2025</b> 450,000	\$ <b>Total</b> 950,000

# **Operational Impact**

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

1,556,317

CIP Project Total (2016-2025): \$



#### 2021-2025 CAPITAL IMPROVEMENT PROGRAM

Project Name Administration & Customer Service Building

Project Number: 77-57

Contact: Tim Friday, Assistant Director of Castle Rock Water 5 Year Historical Total \$ 767,464

Department: Castle Rock Water 2021-2025 Total 788,853

Category: Building Useful Life: 50 Years

# **Description and Justification**

This project accommodates construction of a new Administration and Customer Service Building for Castle Rock Water. The existing Kellogg Facility will be repurposed for staff currently housed in trailers. The new building will accommodate existing and future Administration and Customer Service staff within Castle Rock Water. The Administration and Customer Service Team currently is short of space by approximately 3,000 square feet. The new facility will be designed and constructed to meet the needs of the department through buildout of the Town. A site assessment was conducted in 2013 that details existing and future conditions and identifies space needs for Castle Rock Water. The Water Fund's portion of the project will utilize reserves accumulated in prior years through system development fees and rates revenues. This project helps Castle Rock Water meet the priority of providing high quality water service to Town residents and businesses. Construction of the Castle Rock Administration and Customer Service Building was originally requested for the 2020 budget, but due to economic conditions it was delayed to 2021.

Estimated Construction Cost Water Fund: \$1,881,344

Water Resources Fund: \$842,017 Stormwater Fund: \$862,698 Wastewater Fund: \$788,853

Expenditures	2021	2022		2023		2024		2025		Total
Construction	\$ 788,853	\$	-	\$	-	\$	-	\$	-	\$ 788,853
Total Expenditures	\$ 788,853	\$	_	\$	_	\$	_	\$	_	\$ 788,853
Funding Sources	2021	2022		2023		2024		2025		Total
System Development Fees	\$ 788,853	\$	-	\$	-	\$	-	\$	-	\$ 788,853

#### **Operational Impact**

There are general operations expenditures of approximately \$30,000 per year. The Water Fund's portion is \$12,119 per year, the Water Resources Fund's portion is \$5,689 per year, the Stormwater Fund's portion is \$5,510 per year, and the Wastewater Fund's portion is \$6,682 per year.



Project Name Kinner Street Bottleneck

Project Number: 75-81

Contact: Jeanne Stevens, Engineering Manager 5 Year Historical Total \$ -

Department: Castle Rock Water 2021-2025 Total 2,117,000

Category: Infrastructure CIP Project Total (2016-2025): \$ 2,117,000

Useful Life: 50 Years

# **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 and in Lanterns, Crystal Valley Ranch could have an impact. The sewer main may need rehabilitation instead of full replacement.

Expenditures	2021		2022		2023	2024		2	025		Total
Kinner Street Bottleneck	\$	-	\$	-	\$ 2,117,000	\$	-	\$		-	\$ 2,117,000
Total Expenditures	\$	-	\$	-	\$ 2,117,000	\$	-	\$		_	\$ 2,117,000
Funding Sources	2021		2022		2023	2024		2	025		Total
Wastewater Service Charges	\$ 2021	-	\$ 2022	-		\$ 2024	-	\$	025	-	\$ <b>Total</b> 2,117,000

# **Operational Impact**

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

207,202



Transfers from Other Funds

# 2021-2025 CAPITAL IMPROVEMENT PROGRAM

#### **FLEET SERVICES FUND**

# PUBLIC WORKS DEPARTMENT PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2021	2022	2023	2024	2025	Total
Vehicles and Equipment	\$ 3,023,807	\$ 3,297,819	\$ 3,093,156	\$ 2,350,029	\$ 2,754,288	\$ 14,519,099
Total Expenditures by Year	\$ 3,023,807	\$3,297,819	\$ 3,093,156	\$ 2,350,029	\$ 2,754,288	\$ 14,519,099
Project Funding Sources	2021	2022	2023	2024	2025	Total
Project Funding Sources  Vehicle Replacement Contributions	<b>2021</b> \$ 2,562,328	<b>2022</b> \$ 3,010,249	<b>2023</b> \$ 2,832,352	<b>2024</b> \$ 2,157,926	<b>2025</b> \$ 2,536,169	\$ <b>Total</b> 13,099,024

Total Funding Sources by Year \$3,023,807 \$3,297,819 \$3,093,156 \$2,350,029 \$2,754,288 \$ 14,519,099

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.

207,202

#### **Summary of 2021 Vehicle Additions**

	Make &	Est	imated	
Department	Model		Cost	Justification
Fire/Development Services	Ford F-250	\$	45,000	The Fire Department requests one additional vehicle related to the addition of one Fire Plans Examiner position.
Public Works	Ford F-150		33,000	The Public Works Department requests one additional vehicle related to an additional Construction Manager position.
Castle Rock Water	Ford F-150		33,000	Castle Rock Water requests the addion of one vehicle related to an additional Water Distribution Supervisor position.
Castle Rock Water/DoIT	Ford F-150		33,000	Castle Rock Water and DoIT requests the addion of one vehicle related to an additional Network and Systems  Engineer position.
Castle Rock Water	Ford F-250 <b>Total</b>	\$	63,202 <b>207,202</b>	Castle Rock Water requests the addion of one vehicle related to an additional Electrician position.



Project Name Vehicles and Equipment

Project Number: 70-40

Contact: Paul Colell, Fleet Manager 5 Year Historical Total \$ 14,291,599

Department: Public Works Department 2021-2025 Total 14,519,099

Category: Vehicles CIP Project Total (2016-2025): \$ 28,810,698

Useful Life: 4-15 years

# **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 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 3 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, 3 percent of the total anticipated vehicle purchase amount is budgeted in order to accommodate unforseen variances in vehicle purchase amounts.

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

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles & Equipment	\$ 3,023,807	\$3,297,819	\$ 3,093,156	\$ 2,350,029	\$ 2,754,288	\$ 14,519,099

Total Expenditures	\$ 3,023,807	\$ 3,297,819	\$ 3,093,156	\$ 2,350,029	\$ 2,754,288	\$ 14,519,099
Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Contributions	\$ 2,562,328	\$ 3,010,249	\$ 2,832,352	\$ 2,157,926	\$ 2,536,169	\$ 13,099,024
Vehicle Salvage	254,277	287,570	260,804	192,103	218,119	1,212,873
Transfers from Other Funds	207,202	-	-	-	-	207,202
<b>Total Funding Sources</b>	\$ 3,023,807	\$ 3,297,819	\$ 3,093,156	\$ 2,350,029	\$ 2,754,288	\$ 14,519,099

#### **Operational Impact**

Increases in operational expenditures, including gasoline and maintenance for 2021 are primarily related to vehicle additions, and are estimated to be approximately \$12,000. Additional amounts are included for operational needs in the department budgets in which contributions occur from.



2021 Schedule of Veh	icle & Equipment Purchase					
			Es	stimated	E	Estimated
Department and Vehicle Use	Vehicle Make/Mode	el	Salv	age Value		Cost *
DoIT Department						
SUV, General Purpose, Light Duty	Ford Escape Hybrid		\$	3,000	\$	32,131
Total DoIT Department		1	\$	3,000	\$	32,131
Facilities Department						
Trucks, Medium Duty	Ford F-350 SD			4,575		49,009
Vans < 10K GVWR Passanger/Cargo	Ford E250			3,613		38,698
Vans < 10K GVWR Passanger/Cargo	Ford E250			3,613		38,698
Total Facilities Department		3	\$	11,801	\$	126,405
Police Department						
SUV, Police Patrol	Ford Utility AWD			5,580		59,774
SUV, Police Patrol	Ford Utility AWD			5,750		61,595
SUV, Police Patrol	Ford Utility AWD			5,750		61,595
SUV, Police Patrol	Ford Utility AWD			5,750		61,595
SUV, Police Patrol	Ford Utility AWD			5,750		61,595
SUV, Police Patrol	Ford Utility AWD			5,750		61,595
Total Police Department		6	\$	34,330	\$	367,749
Fire Department						
Fire Response, Brush Trucks, Hazmat	Dodge Ram 5500			18,509		198,274
Fire Response, Brush Trucks, Hazmat	Dodge Ram 5500			18,509		198,274
Fire, Response, Ambulance	Dodge Ram 4500			19,500		212,945
SUV, Public Safety, Police, Fire	Ford Expedition			5,184		55,529
SUV, Public Safety, Police, Fire	Ford Expedition			5,184		55,529
Trucks, Light Duty	Ford F-150 SSV			5,184		55,529
Total Fire Department		6	\$	72,070	\$	776,080
Development Services Department						
SUV, General Purpose, Light Duty	Ford Escape XLS			2,725	\$	29,191
Vehicle Additions; Trucks, Med Duty	Ford F-250					45,000
Total Development Services Department		2	\$	2,725	\$	74,191

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



2021 Schedule of Vehicle & Ed	quipment Purchase (Contin	ue	d)			
			Е	stimated	- 1	Estimated
Department and Vehicle Use	Vehicle Make/Mode		Sal	vage Value		Cost *
Transportation Fund						
Heavy Equipment Off-Road, Loaders, Tractors, Graders	Volvo L90D		\$	24,895	\$	266,681
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400			19,350		207,282
Trucks, Medium Duty	Ford F-350 SD			5,212		55,832
Trucks, Medium Duty	Ford F-350 SD			5,845		62,613
Trucks, Medium Duty	Ford F-350 SD			5,845		62,613
Trailers Medium, Light	Dun-Rite 2LT7M			873		9,352
Trailers Medium, Light	Ray-Tech Mini Combo			3,995		42,795
Vehicle Additions; Trucks, Light Duty	Ford F-150			-		33,000
Total Transportation Fund		8	\$	66,015	\$	740,168
Parks & Recreation Department						
Equipment, Off-Road, Loaders, Tractors, Graders	Bobcat 5600			5,835		63,111
Equipment, Off-Road, Loaders, Tractors, Graders	Kromer Field Comander			2,502		26,801
Trucks, Medium Duty	Ford F-350 SD			3,700		39,635
Total Parks & Recreation Department		3	\$	12,037	\$	129,547
Community Center Fund						
Vans < 10K Passenger/Cargo	Ford E-350 SD			3,485		37,332
Vans < 10K Passenger/Cargo	Ford E-350 SD			3,485		37,332
Total Community Center Fund		2	\$	6,970	\$	74,664
Castle Rock Water Department						
Equipment, Off-Road, Loaders, Tractors, Graders	Octane FY25			2,750		29,459
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400			10,825		115,963
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 5600I			24,074		257,897
Trucks, Light Duty	Ford F-150 SSV			3,790		40,599
Trucks, Light Duty	Ford F-150 SSV			3,890		41,680
Vehicle Additions; Trucks, Medium Duty	Ford F-150			-		33,000
Vehicle Additions; Trucks, Medium Duty	Ford F-150			-		33,000
Vehicle Additions; Trucks, Medium Duty	Ford F-250			-		63,202
Total Castle Rock Water Department		8	\$	45,329	\$	614,800
Total - All Departments			\$	254,277	\$	2,935,735
3% Contingency						88,072
2021 Vehicle & Equipment Replacement Total	3	39	\$	254,277	\$	3,023,807

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



2022 Schedule of Vehicle & Eq	uipment Purchase				
			Estimated		Estimated
Department and Vehicle Use	Vehicle Make/Model		Salvage Value		Cost *
Police Department					
Sedan, Patrol	Ford Utility AWD		\$ 5,750	\$	63,751
Sedan, Patrol	Ford Utility AWD		5,950		65,969
Sedan General Purpose	Ford Utility AWD		4,679		51,871
SUV, Police Patrol	Ford Utility AWD		5,750		63,751
SUV, Police Patrol	Ford Utility AWD		5,950		65,969
SUV, Public Safety, Police, Fire	Ford Utility AWD		4,679		51,871
Sedan, Patrol	Ford Utility AWD		5,750		63,751
Sedan, Patrol	Ford Utility AWD		5,750		63,751
SUV, Public Safety, Police, Fire	Ford Utility AWD		4,679		51,871
SUV, Public Safety, Police, Fire	Ford Utility AWD		4,679		51,871
SUV, Public Safety, Police, Fire	Ford Utility AWD		5,750		63,751
SUV, Police Patrol	Ford Utility AWD		5,750		63,751
SUV, Public Safety, Police, Fire	Ford Utility AWD		4,679		51,871
Total Police Department	1	3	\$ 69,795	\$	773,799
Fire Department					
Fire, Response, Ambulance	Ford F450		19,500		222,527
Fire, Response, Ambulance	Ford F450		19,500		222,527
SUV, Public Safety, Police, Fire, Batt Chief	Ford Expedition EL		7,250		80,382
SUV, Public Safety, Police, Fire, Batt Chief	Ford Expedition EL		6,532		72,482
Trailers Medium, Light	Bauer TCOM-25		12,402		137,498
Trucks, Light Duty	Ford F-150 SSV		5,184		57,473
Total Fire Department		6	\$ 70,368	\$	792,889
Development Services Department					
SUV, General Purpose, Light Duty	Jeep Liberty		2,725		30,213
Total Development Services Department		1	\$ 2,725	\$	30,213
Transportation Fund					
Heavy Equipment, Off-Road, Loaders, Tractors, Graders	John Deere 4720		6,400		70,952
Sweepers	Elgin NP Pelican		21,775		241,423
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400		19,350		214,537
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7500		21,855		242,310
Trucks, Light Duty	Ford F-150		3,425		37,974
Trucks, Light Duty	Ford F-150		3,000		33,262
Trailers Heavy	Trail-Eze PDLX20TC30		5,452		60,442
Trailers Medium, Light	Big Tex 30SA	_	194	_	2,178
Total Transportation Fund		8	\$ 81,451	\$	903,078

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



2022 Schedule of Vehicle & Equipa	ment Purchase (Conti	านє	ed)		
			E	stimated	Estimated
Department and Vehicle Use	Vehicle Make/Mode	el	Sal	vage Value	Cost *
Parks & Recreation Department	•		•		
Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows	Scag Tiger Cat STC61V		\$	980	\$ 10,865
Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows	John Deere HPX 4x4			1,075	11,919
Trailers Medium, Light	Vermeer BC1400XL			4,855	54,612
Total Parks & Recreation Department		3	\$	6,910	\$ 77,396
Community Center Fund					
Vans < 10K GVWR Passenger/Cargo	Ford E-350 SD			3,485	38,639
Total Community Center Fund		1	\$	3,485	\$ 38,639
Castle Rock Water Department					
Equipment, Off-Road, Loaders, Tractors, Graders	Wachs 77-000-36			7,513	83,292
Heavy Equipment Off-Road, Loaders, Tractors, Graders	Caterpillar 930H			20,250	224,515
SUV, General Purpose, Light Duty	Jeep Liberty			3,205	35,537
SUV, General Purpose, Light Duty	Chevrolet Equinox			2,452	27,186
Trailers Medium, Light	Cornell 3HC-RP-EM16			8,375	92,855
Trucks, Light Duty	Ford F-150			3,059	33,917
Trucks, Light Duty	Ford F-150			3,034	33,640
Trucks, Medium Duty	Ford F-350 SD			4,699	52,093
Trailers Medium, Light	Big Tex 14X83			249	2,717
Total Castle Rock Water Department		9	\$	52,836	\$ 585,752
Total - All Departments			\$	287,570	\$ 3,201,766
3% Contingency					96,053
2022 Vehicle & Equipment Replacement Total		41	\$	287,570	\$ 3,297,819

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



2023 Schedule of Vehicle & Eq	uipment Purchase				
		Т	Estimated	E	stimated
Department and Vehicle Use	Vehicle Make/Model		Salvage Value		Cost *
Facilities Department					
Trucks, Medium Duty	Ford F-350 SD		\$ 4,675	\$	53,647
Total Facilities Department	1	L	\$ 4,675	\$	53,647
Police Department					
SUV, Police Patrol	Ford Utility AWD		5,750		65,983
SUV, Police Patrol	Ford Utility AWD		5,750		65,983
SUV, Public Safety, Police, Fire	Ford Utility AWD		4,679		53,687
SUV, Police Patrol	Ford Utility AWD		5,750		65,983
SUV, Police Patrol	Ford Utility AWD		5,750		65,983
SUV, Police Patrol	Ford Utility AWD		5,750		65,983
SUV, Public Safety, Police, Fire	Ford Utility AWD		4,679		53,687
SUV, Police Patrol	Ford Utility AWD		5,750		65,983
SUV, Public Safety, Police, Fire	Ford Utility AWD		4,679		53,687
SUV, Public Safety, Police, Fire	Ford Utility AWD		4,679		53,687
Equipment, Off-Road, Loaders, Tractors, Graders	Polaris Ranger 800		2,101		24,113
Total Police Department	11	L	\$ 55,316	\$	634,759
Fire Department					
Fire, Response, Ambulance	Ford F450		19,500		232,541
SUV, Public Safety, Police, Fire	Ford Expedition		5,184		59,484
Trucks, Medium Duty	Chevrolet Silverado 3500	1	5,184		59,484
Total Fire Department	3	3	\$ 29,867	\$	351,509
Development Services					
SUV, General Purpose, Light Duty	Ford Escape SE		2,635		30,237
SUV, General Purpose, Light Duty	Chevrolet Equinox		2,635		30,237
SUV, General Purpose, Light Duty	Ford Escape SE		2,635		30,237
SUV, General Purpose, Light Duty	Ford Escape SE		2,635		30,237
SUV, General Purpose, Light Duty	Ford Escape SE		2,635		30,237
SUV, General Purpose, Light Duty	Ford Escape SE		2,635		30,237
Total Development Services Fund	6	6	\$ 15,810	\$	181,422

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



Transportation Fund         Estimated Cost * Cost * Transportation Fund         Equipment, Off-Road, Loaders, Tractors, Graders         Miller Bobcat 250NT         \$ 5.67         \$ 5.650           Equipment, Off-Road, Loaders, Tractors, Graders         Sullair 260DPQ         2,523         28,947           Heavy Equipment Off-Road, Loaders, Tractors, Graders         Caterpillar 143H         35,565         408,117           Heavy Equipment Off-Road, Loaders, Tractors, Graders         Bobcat S570         4,125         47,335           Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks, Light Duty         Ford F-150         2,750         31,557           Trucks, Light Duty         Ford F-150 SSV         2,885         33,106           Trucks, Light Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-350 SD         3,985         45,729           Trucks, Medium Duty         Ford F-350 SD         5,845         62,483           Total Transportation Fund         12         108,235         1,242,020           Parks & Recreation Department           Equipment, Off-Road, Loaders, Tractors, Graders         Rubo	2023 Schedule of Vehicle & Equipme	ent Purchase (Contin	ue	d)			
Transportation Fund   Equipment, Off-Road, Loaders, Tractors, Graders   Sequipment, Off-Road, Loaders, Tractors, Graders   Sullair 260DPQ   2,523   28,947				Е	stimated	- 1	Estimated
Equipment, Off-Road, Loaders, Tractors, Graders         Miller Bobcat 250NT         \$ 567         \$ 6,508           Equipment, Off-Road, Loaders, Tractors, Graders         Sullair 260DPQ         2,232         28,947           Heavy Equipment Off-Road, Loaders, Tractors, Graders         Bobcat 5570         4,125         47,335           Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks, Light Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks, Light Duty         Ford F-150         2,750         31,557           Trucks, Light Duty         Ford F-150 SSV         2,885         33,106           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-350 SD         3,985         45,729           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Tucks, Medium Duty, Mowers, Carts, Skid Steers, Plows         Tor 4300-D         6,292	Department and Vehicle Use	Vehicle Make/Mode	1	Salv	vage Value		Cost *
Equipment, Off-Road, Loaders, Tractors, Graders         Sullair 260DPQ         2,523         28,947           Heavy Equipment Off-Road, Loaders, Tractors, Graders         Bobcat 5570         4,125         47,335           Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks, Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks, Light Duty         Ford F-150         2,750         31,557           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Jught Duty         Ford F-350 SD         5,845         67,073           Trucks, Light Duty         Ford F-350 SD         5,845         67,073           Trucks, Light Duty, Goaders, Tractors, Graders         Kubota RTV400CH         925         10,615	Transportation Fund						
Heavy Equipment Off-Road, Loaders, Tractors, Graders         Caterpillar 143H         35,565         408,117           Heavy Equipment Off-Road, Loaders, Tractors, Graders         Bobcat SS70         4,125         47,335         222,046           Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks, Light Duty         Ford F-150         2,750         31,557           Trucks, Light Duty         Ford F-150 SSV         2,885         33,106           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Diddium Duty         Ford F-350 SD         5,845         67,073           Trucks, Diddium Duty         Ford F-350 SD         5,845         67,073           Trucks, Diddium Duty         Ford F-350 SD         5,845         67,073           Trucks, Light Duty         Ford F-30 SD         5,835         68,261	Equipment, Off-Road, Loaders, Tractors, Graders	Miller Bobcat 250NT		\$	567	\$	6,508
Heavy Equipment Off-Road, Loaders, Tractors, Graders         Bobcat 5570         4,125         47,335           Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks, Leavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks, Light Duty         Ford F-150         2,750         31,557           Trucks, Light Duty         Ford F-150 SSV         2,885         33,106           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-250 SD         3,985         45,729           Trucks, Medium Duty         Ford F-350 SD         3,985         45,729           Trucks, Medium Duty         Ford F-250 SD         3,985         45,729           Trucks, Medium Duty         Ford F-350 SD         5,845         62,0483           Trucks, Light Duty         Ford F-350 SD         5,845         62,2483           Trucks, Light Duty         Ford F-350 SD         5,845         62,2483           Trucks, Light Duty         Ford F-350 SD         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Trucks, Lig	Equipment, Off-Road, Loaders, Tractors, Graders	Sullair 260DPQ			2,523		28,947
Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks, Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks, Light Duty         Ford F-150         2,750         31,557           Trucks, Light Duty         Ford F-150 SSV         2,885         33,106           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-250 SD         3,985         45,729           Trucks, Medium Duty         Ford F-250 SD         5,445         62,483           Total Transportation Fund         12         \$ 108,235         \$ 1,242,020           Parks & Recreation Department         Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows         Toro 4300-D         6,292         72,207           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Truc	Heavy Equipment Off-Road, Loaders, Tractors, Graders	Caterpillar 143H			35,565		408,117
Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         222,046           Trucks, Light Duty         Ford F-150 SSV         2,750         31,557           Trucks, Light Duty         Ford F-150 SSV         2,885         33,066           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-250 SD         3,985         45,729           Trucks, Medium Duty         Ford F-350 SD         5,845         62,483           Total Transportation Fund         12         108,235         1,242,002           Parks & Recreation Department           Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows         Toro 4300-D         6,292         72,207           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615	Heavy Equipment Off-Road, Loaders, Tractors, Graders	Bobcat S570			4,125		47,335
Trucks, Light Duty         Ford F-150 SSV         2,750         31,557           Trucks, Light Duty         Ford F-150 SSV         2,885         33,106           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-250 SD         3,985         45,729           Trucks, Medium Duty         Ford F-350 SD         5,445         62,483           Total Transportation Fund         12         108,235         1,242,020           Parks & Recreation Department         Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Rubota RTV400CI-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Wacker LTC 4L         1,131	Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400			19,350		222,046
Trucks, Light Duty         Ford F-150 SSV         2,885         33,106           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-250 SD         3,985         45,729           Trucks, Medium Duty         Ford F-350 SD         5,445         62,483           Total Transportation Fund         12         \$ 108,235         \$ 1,242,020           Parks & Recreation Department           Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows         Toro 4300-D         6,292         72,207           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CHH         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CHH         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         90,778         239,937           Trucks, Light Duty         Ford E-150	Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400			19,350		222,046
Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-350 SD         3,985         45,729           Trucks, Medium Duty         Ford F-350 SD         5,445         62,483           Total Transportation Fund         12         \$ 108,235         \$ 1,242,020           Parks & Recreation Department           Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows         Toro 4300-D         6,292         72,207           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         7         \$ 20,778         \$ 239,937           Trucks, Light Duty         Ford Explorer	Trucks, Light Duty	Ford F-150			2,750		31,557
Trucks, Medium Duty         Ford F-350 SD         5,845         67,073           Trucks, Medium Duty         Ford F-250 SD         3,985         45,729           Trucks, Medium Duty         Ford F-350 SD         5,445         62,483           Total Transportation Fund         12         \$ 108,235         \$ 1,242,020           Parks & Recreation Department           Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows         Toro 4300-D         6,292         72,207           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Total Parks & Recreation Department         7         \$ 20,778         \$ 239,937           Castle Rock Water Department           SUV, General Purpose, Light Duty         Ford Explorer         3,601         41,320           Trucks, Light Duty         Ford F-150         2,600         29,837	Trucks, Light Duty	Ford F-150 SSV			2,885		33,106
Trucks, Medium Duty         Ford F-250 SD         3,985         45,729           Trucks, Medium Duty         Ford F-350 SD         3,985         45,729           Total Transportation Fund         12         \$ 108,235         \$ 1,242,020           Parks & Recreation Department           Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows         Toro 4300-D         6,292         72,207           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         Ford Explorer         3,601         41,320           Trucks, Light Duty         Ford Explorer         3,601         41,320           Trucks, Light Duty         Ford F-150         2,600         29,837           Trucks, Light Duty         Ford F-350 SD	Trucks, Medium Duty	Ford F-350 SD			5,845		67,073
Trucks, Medium Duty         Ford F-350 SD         5,445         62,483           Total Transportation Fund         12         \$ 108,235         \$ 1,242,020           Parks & Recreation Department           Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows         Toro 4300-D         6,292         72,207           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         Ford Explorer         3,601         41,320           Trucks, Light Duty         Ford Explorer         3,601         41,320           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Medium Duty         Chevrolet C-5500	Trucks, Medium Duty	Ford F-350 SD			5,845		67,073
Total Transportation Fund         12         \$ 108,235         \$ 1,242,020           Parks & Recreation Department           Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows         Toro 4300-D         6,292         72,207           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         7         20,778         239,937           Castle Rock Water Department           SUV, General Purpose, Light Duty         Ford Explorer         3,601         41,320           Trucks, Light Duty         Ford F-150         2,600         29,837           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Medium Duty         Chevrolet C-5500         9,550         109,588     <	Trucks, Medium Duty	Ford F-250 SD			3,985		45,729
Parks & Recreation Department           Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows         Toro 4300-D         6,292         72,207           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         7         \$ 20,778         \$ 239,937           Castle Rock Water Department         Wacker LTC 4L         1,131         12,996           Trucks, Light Duty         Ford Explorer         3,601         41,320           Trucks, Light Duty         Ford F-150         2,600         29,837           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           Trucks, Medium, Light         DW S1A         <	Trucks, Medium Duty	Ford F-350 SD			5,445		62,483
Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows         Toro 4300-D         6,292         72,207           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         7         20,778         239,937           Castle Rock Water Department         Successful Explorer         3,601         41,320           Trailers Medium, Light         Wacker LTC 4L         1,131         12,996           Trucks, Light Duty         Ford F-150         2,600         29,837           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Light Duty         Ford F-350         9,550         109,588           Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           T	Total Transportation Fund		12	\$	108,235	\$	1,242,020
Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows         Toro 4300-D         6,292         72,207           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400Cl-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         7         20,778         239,937           Castle Rock Water Department         Successful Explorer         3,601         41,320           Trailers Medium, Light         Wacker LTC 4L         1,131         12,996           Trucks, Light Duty         Ford F-150         2,600         29,837           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Light Duty         Ford F-350         9,550         109,588           Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           T							
Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,835         68,261           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         7         20,778         239,937           Castle Rock Water Department           SUV, General Purpose, Light Duty         Ford Explorer         3,601         41,320           Trailers Medium, Light         Wacker LTC 4L         1,131         12,996           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Medium Duty         Ford F-150         2,875         32,991           Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           Trailers Medium, Light         DW S1A         190         2,178           Total Castle Rock Water Department         7         26,122         299,770	Parks & Recreation Department						
Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         7         20,778         239,937           Castle Rock Water Department         SUV, General Purpose, Light Duty         Ford Explorer         3,601         41,320           Trailers Medium, Light         Wacker LTC 4L         1,131         12,996           Trucks, Light Duty         Ford F-150         2,600         29,837           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Medium Duty         Chevrolet C-5500         9,550         109,588           Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           Trailers Medium, Light         DW S1A         190         2,178           Total Castle Rock Water Department         \$ 26,122         299,770           Total - All Departments <td< td=""><td>Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows</td><td>Toro 4300-D</td><td></td><td></td><td>6,292</td><td></td><td>72,207</td></td<>	Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows	Toro 4300-D			6,292		72,207
Equipment, Off-Road, Loaders, Tractors, Graders         Kubota RTV400CI-H         925         10,615           Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         7         20,778         239,937           Castle Rock Water Department         SUV, General Purpose, Light Duty         Ford Explorer         3,601         41,320           Trailers Medium, Light         Wacker LTC 4L         1,131         12,996           Trucks, Light Duty         Ford F-150         2,600         29,837           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           Trailers Medium, Light         DW S1A         190         2,178           Total Castle Rock Water Department         7         26,122         299,770           Total - All Departments         \$ 260,804         \$ 3,003,064           3% Contingency         90,092	Equipment, Off-Road, Loaders, Tractors, Graders	Bobcat 5600			5,835		68,261
Trucks, Light Duty         Ford F-150         2,950         33,852           Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         7         20,778         239,937           Castle Rock Water Department         SUV, General Purpose, Light Duty         Ford Explorer         3,601         41,320           Trailers Medium, Light         Wacker LTC 4L         1,131         12,996           Trucks, Light Duty         Ford F-150         2,600         29,837           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Medium Duty         Chevrolet C-5500         9,550         109,588           Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           Trailers Medium, Light         DW S1A         190         2,178           Total Castle Rock Water Department         7         26,122         299,770           Total - All Departments         \$ 260,804         3,003,064           3% Contingency         90,092         90,092	Equipment, Off-Road, Loaders, Tractors, Graders	Kubota RTV400CI-H			925		10,615
Trucks, Light Duty         Ford F-150         2,950         33,852           Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Castle Rock Water Department           SUV, General Purpose, Light Duty         Ford Explorer         3,601         41,320           Trailers Medium, Light         Wacker LTC 4L         1,131         12,996           Trucks, Light Duty         Ford F-150         2,600         29,837           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Medium Duty         Chevrolet C-5500         9,550         109,588           Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           Trailers Medium, Light         DW S1A         190         2,178           Total Castle Rock Water Department         7         \$ 26,122         \$ 299,770           Total - All Departments         \$ 260,804         \$ 3,003,064           3% Contingency         90,092	Equipment, Off-Road, Loaders, Tractors, Graders	Kubota RTV400CI-H			925		10,615
Trailers Medium, Light         Haulmark DLX Transport         901         10,535           Total Parks & Recreation Department         7 \$ 20,778         239,937           Castle Rock Water Department         SUV, General Purpose, Light Duty         Ford Explorer         3,601         41,320           Trailers Medium, Light         Wacker LTC 4L         1,131         12,996           Trucks, Light Duty         Ford F-150         2,600         29,837           Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Medium Duty         Chevrolet C-5500         9,550         109,588           Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           Trailers Medium, Light         DW S1A         190         2,178           Total Castle Rock Water Department         7 \$ 26,122         \$ 299,770           Total - All Departments         \$ 260,804         \$ 3,003,064           3% Contingency         90,092	Trucks, Light Duty	Ford F-150			2,950		33,852
Total Parks & Recreation Department         7 \$ 20,778 \$ 239,937           Castle Rock Water Department         SUV, General Purpose, Light Duty         Ford Explorer         3,601 41,320           Trailers Medium, Light         Wacker LTC 4L 1,131 12,996         12,996           Trucks, Light Duty         Ford F-150 2,600 29,837         2,600 29,837           Trucks, Light Duty         Ford F-150 2,875 32,991         32,991           Trucks, Medium Duty         Chevrolet C-5500 9,550 109,588         109,588           Trucks, Medium Duty         Ford F-350 SD 6,175 70,860         70,860           Trailers Medium, Light         DW S1A 190 2,178           Total Castle Rock Water Department         7 \$ 26,122 \$ 299,770           Total - All Departments         \$ 260,804 \$ 3,003,064           3% Contingency         90,092	Trucks, Light Duty	Ford F-150			2,950		33,852
Castle Rock Water Department         SUV, General Purpose, Light Duty       Ford Explorer       3,601       41,320         Trailers Medium, Light       Wacker LTC 4L       1,131       12,996         Trucks, Light Duty       Ford F-150       2,600       29,837         Trucks, Light Duty       Ford F-150       2,875       32,991         Trucks, Medium Duty       Chevrolet C-5500       9,550       109,588         Trucks, Medium Duty       Ford F-350 SD       6,175       70,860         Trailers Medium, Light       DW S1A       190       2,178         Total Castle Rock Water Department       7       \$ 26,122       \$ 299,770         Total - All Departments       \$ 260,804       \$ 3,003,064         3% Contingency       90,092	Trailers Medium, Light	Haulmark DLX Transpor	rt		901		10,535
SUV, General Purpose, Light Duty       Ford Explorer       3,601       41,320         Trailers Medium, Light       Wacker LTC 4L       1,131       12,996         Trucks, Light Duty       Ford F-150       2,600       29,837         Trucks, Light Duty       Ford F-150       2,875       32,991         Trucks, Medium Duty       Chevrolet C-5500       9,550       109,588         Trucks, Medium Duty       Ford F-350 SD       6,175       70,860         Trailers Medium, Light       DW S1A       190       2,178         Total Castle Rock Water Department       7       \$ 26,122       \$ 299,770         Total - All Departments       \$ 260,804       \$ 3,003,064         3% Contingency       90,092	Total Parks & Recreation Department		7	\$	20,778	\$	239,937
SUV, General Purpose, Light Duty       Ford Explorer       3,601       41,320         Trailers Medium, Light       Wacker LTC 4L       1,131       12,996         Trucks, Light Duty       Ford F-150       2,600       29,837         Trucks, Light Duty       Ford F-150       2,875       32,991         Trucks, Medium Duty       Chevrolet C-5500       9,550       109,588         Trucks, Medium Duty       Ford F-350 SD       6,175       70,860         Trailers Medium, Light       DW S1A       190       2,178         Total Castle Rock Water Department       7       \$ 26,122       \$ 299,770         Total - All Departments       \$ 260,804       \$ 3,003,064         3% Contingency       90,092	Castle Back Water Department						
Trailers Medium, Light       Wacker LTC 4L       1,131       12,996         Trucks, Light Duty       Ford F-150       2,600       29,837         Trucks, Light Duty       Ford F-150       2,875       32,991         Trucks, Medium Duty       Chevrolet C-5500       9,550       109,588         Trucks, Medium Duty       Ford F-350 SD       6,175       70,860         Trailers Medium, Light       DW S1A       190       2,178         Total Castle Rock Water Department       7 \$ 26,122       \$ 299,770         Total - All Departments       \$ 260,804       \$ 3,003,064         3% Contingency       90,092		Ford Evalorer			2 601		/11 22N
Trucks, Light Duty       Ford F-150       2,600       29,837         Trucks, Light Duty       Ford F-150       2,875       32,991         Trucks, Medium Duty       Chevrolet C-5500       9,550       109,588         Trucks, Medium Duty       Ford F-350 SD       6,175       70,860         Trailers Medium, Light       DW S1A       190       2,178         Total Castle Rock Water Department       7       \$ 26,122       \$ 299,770         Total - All Departments       \$ 260,804       \$ 3,003,064         3% Contingency       90,092					-		
Trucks, Light Duty         Ford F-150         2,875         32,991           Trucks, Medium Duty         Chevrolet C-5500         9,550         109,588           Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           Trailers Medium, Light         DW S1A         190         2,178           Total Castle Rock Water Department         7 \$ 26,122         \$ 299,770           Total - All Departments         \$ 260,804         \$ 3,003,064           3% Contingency         90,092	_						
Trucks, Medium Duty         Chevrolet C-5500         9,550         109,588           Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           Trailers Medium, Light         DW S1A         190         2,178           Total Castle Rock Water Department         7 \$ 26,122         \$ 299,770           Total - All Departments         \$ 260,804         \$ 3,003,064           3% Contingency         90,092							
Trucks, Medium Duty         Ford F-350 SD         6,175         70,860           Trailers Medium, Light         DW S1A         190         2,178           Total Castle Rock Water Department         7 \$ 26,122         \$ 299,770           Total - All Departments         \$ 260,804         \$ 3,003,064           3% Contingency         90,092							
Trailers Medium, Light         DW S1A         190         2,178           Total Castle Rock Water Department         7 \$ 26,122 \$ 299,770           Total - All Departments         \$ 260,804 \$ 3,003,064           3% Contingency         90,092	•				•		•
Total Castle Rock Water Department       7 \$ 26,122 \$ 299,770         Total - All Departments       \$ 260,804 \$ 3,003,064         3% Contingency       90,092	·						
Total - All Departments \$ 260,804 \$ 3,003,064 3% Contingency 90,092		DW 31A	7	Ġ		Ġ	
3% Contingency 90,092	Total Castle Nock Water Department		,	Ų	20,122	Ą	233,110
3% Contingency 90,092	Total - All Departments			\$	260,804	\$	3,003.064
	•			•	,	•	
2023 Vehicle & Equipment Replacement Total 47 \$ 260,804 \$ 3,093,156	2023 Vehicle & Equipment Replacement Total		47	\$	260,804	\$	3,093,156

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



2024 Schedule of Vehic	le & Equipment Purchase				
		E	stimated	Е	stimated
Department and Vehicle Use	Vehicle Make/Model	Sal	vage Value		Cost *
Facilities Department					
Trucks, Medium Duty	Ford F-250 SD	\$	3,925	\$	46,617
Total Facilities Department	1	\$	3,925	\$	46,617
Police Department					
SUV, Police Patrol	Ford Utility AWD		5,750		68,292
SUV, Police Patrol	Ford Utility AWD		5,750		68,292
SUV, Police Patrol	Ford Utility AWD		6,250		74,230
SUV, Police Patrol	Ford Utility AWD		5,750		68,292
SUV, Police Patrol	Ford Utility AWD		5,750		68,292
SUV, Police Patrol	Ford Utility AWD		5,750		68,292
SUV, Public Safety, Police, Fire	Ford Utility AWD		4,679		55,566
SUV, Public Safety, Police, Fire	Ford Utility AWD		4,679		55,566
SUV, Public Safety, Police, Fire	Ford Escape		2,650		31,474
Total Police Department	9	\$	47,008	\$	558,296
Fire Department					
SUV, Public Safety, Police, Fire	Ford Utility Interceptor		4,500		53,446
SUV, Public Safety, Police, Fire	Ford Utility Interceptor		3,200		38,006
SUV, Public Safety, Police, Fire	Ford Utility Interceptor		3,200		38,006
Trailers Medium, Light	Atlas Inclosed Van		593		7,045
Total Fire Department	4	\$	11,493	\$	136,503
Development Services					
Trucks, Light Duty	Ford F-150		2,725		32,364
Trucks, Light Duty	Ford F-150		2,725		32,364
Trucks, Light Duty	Ford F-150		2,725		32,364
Trucks, Light Duty	Ford F-150		2,725		32,364
Total Development Services Fund	4	\$	10,900	\$	129,456
Transportation Fund					
Heavy Equipment Off-Road, Loaders, Tractors, Graders	Volvo BL70B		9,313		110,603
Trucks, Light Duty	Ford F-150 SSV		2,885		34,265
Sweepers	Schwarze A7000		23,975		284,748
Trailers Medium, Light	Haulmark TS7X16D2		798		9,481
Total Transportation Fund	4	\$	36,971	\$	439,097

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



2024 Schedule of Vehicle & Equipm	ent Purchase (Contin	ue	d)			
			E:	stimated	ı	Estimated
Department and Vehicle Use	Vehicle Make/Model	l	Salv	age Value		Cost *
Parks & Recreation Department						
Trucks, Light Duty	Ford F-150		\$	2,950	\$	35,037
Trucks, Medium Duty	Ford F-250 SD			3,875		46,023
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Z-Master 5000			1,200		14,252
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Z-Master 5000			1,200		14,252
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Kohler Pro-EFI			980		11,639
Total Parks & Recreation Department		5	\$	10,205	\$	121,203
Golf Department						
Trucks, Light Duty	Chevrolet Colorado			2,600		30,881
Total Golf Department		1	\$	2,600	\$	30,881
Castle Rock Water Department						
Equipment, Off-Road, Loaders, Tractors, Graders	Bobcat S570			3,617		42,961
Equipment, Off-Road, Loaders, Tractors, Graders	Vermeer S800TX			2,872		34,108
Sedan General Purpose	Chevrolet Impala LS			2,551		30,316
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7500			41,500		492,890
Trucks, Light Duty	Ford F-150 SSV			3,500		41,569
Trucks, Light Duty	Ford F-150			2,715		32,246
Trucks, Light Duty	Ford F-150			2,600		30,881
Trucks, Light Duty	Ford F-150 SSV			3,206		38,071
Trucks, Light Duty	Ford F-150			3,275		38,897
Trucks, Light Duty	Ford F-150 SSV			3,165		37,590
Total Castle Rock Water Department	1	LO	\$	69,001	\$	819,529
Total - All Departments				192,103		2,281,582
3% Contingency						68,447
2024 Vehicle & Equipment Replacement Total	3	38	\$	192,103	\$	2,350,029

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



2025 Schedule of Vehicle & Eq	uipment Purchase					
			Е	stimated	E	stimated
Department and Vehicle Use	Vehicle Make/Model		Salv	vage Value		Cost *
Facilities Department						
Trucks, Light Duty	Ford F-150		\$	3,125	\$	38,414
Trucks, Medium Duty	Ford F-350 SD			4,575		56,238
Trailers Medium Light	Bil-Jax ET5000			1,100		13,516
Total Facilities Department		3	\$	8,800	\$	108,168
Police Department						
SUV, Police Patrol	Ford Utility AWD			5,951		70,682
SUV, Police Patrol	Ford Utility AWD			6,158		73,141
SUV, Public Safety, Police, Fire	Ford Expedition XLT			5,750		70,682
SUV, Police Patrol	Ford Utility AWD			5,951		70,682
SUV, Police Patrol	Ford Utility AWD			5,951		70,682
SUV, Police Patrol	Ford Utility AWD			5,750		70,682
Trucks, Light Duty	Ford F-150 SSV			5,750		70,682
SUV, Police Patrol	Ford Utility AWD			5,750		70,682
Trailers Medium Light	Wells Cargo RF6101			406		4,845
SUV, Police Patrol	Ford Utility AWD			5,990		71,143
Total Police Department	1	LO	\$	53,407	\$	643,903
Fire Department						
Fire, Response, Ambulance	Dodge Ram 4500			20,379		253,941
Trucks, Medium Duty	GMC Sierra 2500HD			6,200		76,214
Equipment, Off-Road, Loaders, Tractors, Graders	John Deere 855D Gator			2,245		27,597
Total Fire Department		3	\$	28,824	\$	357,752
Development Services Department						
SUV, General Purpose, Light Duty	Ford Escape SE			2,635		32,391
SUV, General Purpose, Light Duty	Ford Escape SE			2,635		32,391
Total Development Services Department		2	\$	5,270	\$	64,782

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



Equipment, Off-Road, Loaders, Tractors, Graders         Caterpillar CB334D         \$ 9,775         \$ 120,160           SUV, General Purpose, Light Duty         Ford Escape         2,485         30,547           Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         237,861           Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         237,861           Total Transportation Fund         Ford Fusion-Hybrid         50,960         \$ 626,429           Fleet Fund           Sedan General Purpose         Ford Fusion-Hybrid         2,645         32,514           Take Recreation Department           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Advance Exterra         4,400         54,086           Equipment, Off-Road, Loaders, Tractors, Graders         Honda TRX500         1,207         14,843           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,535         70,035           Equipment, Off-Road, Loaders, Tractors, Graders         Vermeer CTX100         4,100         50,399           Trucks Iught Duty         Ford F-150         3,465         42,594           Trucks Medium Duty         Ford F-250 SD         3,365         47,594	2025 Schedule of Vehicle & Equipme	ent Purchase (Conti	nue	d)			
Transportation Fund   Equipment, Off-Road, Loaders, Tractors, Graders   Caterpillar CB334D   \$ 9,775   \$ 120,160   \$ 120,500   \$ 123,861   \$ 120,160   \$ 123,861				E	stimated	ı	Estimated
Equipment, Off-Road, Loaders, Tractors, Graders         Caterpillar CB334D         \$ 9,775         \$ 120,160           SUV, General Purpose, Light Duty         Ford Escape         2,485         30,547           Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         237,861           Trucks Heavy Duty, Snow Removal, Construction Dumps         International 7400         19,350         237,861           Total Transportation Fund         Ford Fusion-Hybrid         50,960         \$ 626,429           Fleet Fund           Sedan General Purpose         Ford Fusion-Hybrid         2,645         32,514           Take Recreation Department           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Advance Exterra         4,400         54,086           Equipment, Off-Road, Loaders, Tractors, Graders         Honda TRX500         1,207         14,843           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,535         70,035           Equipment, Off-Road, Loaders, Tractors, Graders         Vermeer CTX100         4,100         50,399           Trucks Iught Duty         Ford F-150         3,465         42,594           Trucks Medium Duty         Ford F-250 SD         3,365         47,594	Department and Vehicle Use	Vehicle Make/Mode	el	Salv	vage Value		Cost *
SUV, General Purpose, Light Duty   Ford Escape   2,485   30,547   Trucks Heavy Duty, Snow Removal, Construction Dumps   International 7400   19,350   237,861   Trucks Heavy Duty, Snow Removal, Construction Dumps   International 7400   19,350   237,861   Trucks Heavy Duty, Snow Removal, Construction Dumps   International 7400   19,350   237,861   Trucks Heavy Duty, Snow Removal, Construction Dumps   4	Transportation Fund						
Trucks Heavy Duty, Snow Removal, Construction Dumps   International 7400   19,350   237,861   Trucks Heavy Duty, Snow Removal, Construction Dumps   International 7400   19,350   237,861   Trucks Heavy Duty, Snow Removal, Construction Dumps   International 7400   19,350   32,761	Equipment, Off-Road, Loaders, Tractors, Graders	Caterpillar CB334D		\$	9,775	\$	120,160
Trucks Heavy Duty, Snow Removal, Construction Dumps	SUV, General Purpose, Light Duty	Ford Escape			2,485		30,547
Total Transportation Fund	Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400			19,350		237,861
Feet Fund   Sedan General Purpose   Ford Fusion-Hybrid   2,645   32,514   Total Fleet Fund   1 \$ 2,645   \$ 32,514   Total Castle Rock Water Department   1 \$ 2,645   \$ 32,514   Total Castle Rock Water Department   1 \$ 2,645   \$ 32,514   Total Castle Rock Water Department   1 \$ 2,645   \$ 32,514   Total Fleet Fund   1 \$ 2,645   \$ 32,514   Total Fleet Fund   1 \$ 2,645   \$ 32,514   Total Castle Rock Water Department   1 \$ 2,645   \$ 32,514   Total Castle Rock Water Department   1 \$ 2,645   \$ 32,514   Total Castle Rock Water Department   1 \$ 2,645   \$ 32,514   Total Castle Rock Water Department   1 \$ 2,645   \$ 32,514   Total Castle Rock Water Department   1 \$ 2,645   \$ 32,514   Total Castle Rock Water Department   1 \$ 2,645   \$ 32,514   Total Castle Rock Water Department   1 \$ 2,645   \$ 32,514   Total Castle Rock Water Department   2 \$ 2,600   31,962   Trucks, Light Duty   Ford F-150   3,200   31,962   Trucks, Medium Duty   Ford F-150   3,200   47,941   Trucks, Medium Duty   Ford F-150   3,200   47,941   Trucks, Medium Duty   Ford F-150   3,400   47,941   Trucks, Medium Duty   Fo	Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400			19,350		237,861
Sedan General Purpose         Ford Fusion-Hybrid         2,645         32,514           Total Fleet Fund         1         \$ 2,645         \$ 32,514           Parks & Recreation Department         Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Advance Exterra         4,400         54,086           Equipment, Off-Road, Loaders, Tractors, Graders         Honda TRX500         1,207         14,843           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,535         70,035           Equipment, Off-Road, Loaders, Tractors, Graders         Vermeer CTX100         4,100         50,399           Trucks Light Duty         Ford F-150         3,655         42,594           Trucks Medium Duty         Ford F-250 SD         3,875         47,634           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         4,785         58,820           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         1,220         14,997           Trucks, Bedium Duty         Ford F-150 CC         2,852         35,065           Trucks, L	Total Transportation Fund		4	\$	50,960	\$	626,429
Sedan General Purpose         Ford Fusion-Hybrid         2,645         32,514           Total Fleet Fund         1         \$ 2,645         \$ 32,514           Parks & Recreation Department         Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Advance Exterra         4,400         54,086           Equipment, Off-Road, Loaders, Tractors, Graders         Honda TRX500         1,207         14,843           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,535         70,035           Equipment, Off-Road, Loaders, Tractors, Graders         Vermeer CTX100         4,100         50,399           Trucks Light Duty         Ford F-150         3,655         42,594           Trucks Medium Duty         Ford F-250 SD         3,875         47,634           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         4,785         58,820           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         1,220         14,997           Trucks, Bedium Duty         Ford F-150 CC         2,852         35,065           Trucks, L							
Total Fleet Fund         1         \$ 2,645         \$ 32,514           Parks & Recreation Department         Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Advance Exterra         4,400         54,086           Equipment, Off-Road, Loaders, Tractors, Graders         Honda TRX500         1,207         14,843           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,535         70,035           Equipment, Off-Road, Loaders, Tractors, Graders         Vermeer CTX100         4,100         50,399           Trucks Light Duty         Ford F-150         3,465         42,594           Trucks Medium Duty         Ford F-250 SD         3,875         47,634           Trucks Medium Duty         Ford F-350 SD         5,300         65,151           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Dight Duty         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150 CC         2,852         35,065	Fleet Fund						
Parks & Recreation Department           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Advance Exterra         4,400         54,886           Equipment, Off-Road, Loaders, Tractors, Graders         Honda TRX500         1,207         14,843           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,535         70,035           Equipment, Off-Road, Loaders, Tractors, Graders         Vermeer CTX100         4,100         50,399           Trucks Light Duty         Ford F-150         3,465         42,594           Trucks Medium Duty         Ford F-250 SD         3,875         47,634           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         4,785         58,820           Trucks, Light Duty	Sedan General Purpose	Ford Fusion-Hybrid			2,645		32,514
Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Advance Exterra         4,400         54,086           Equipment, Off-Road, Loaders, Tractors, Graders         Honda TRX500         1,207         14,843           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,535         70,035           Equipment, Off-Road, Loaders, Tractors, Graders         Vermeer CTX100         4,100         50,399           Trucks Light Duty         Ford F-150         3,465         42,594           Trucks Medium Duty         Ford F-250 SD         3,875         47,634           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master S000         1,220         14,997           Trucks Medium Duty         Ford F-250 SD         3,307         40,651           Trucks, Light Duty         Ford F-150         2,852         35,065 <td< td=""><td>Total Fleet Fund</td><td></td><td>1</td><td>\$</td><td>2,645</td><td>\$</td><td>32,514</td></td<>	Total Fleet Fund		1	\$	2,645	\$	32,514
Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Advance Exterra         4,400         54,086           Equipment, Off-Road, Loaders, Tractors, Graders         Honda TRX500         1,207         14,843           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,535         70,035           Equipment, Off-Road, Loaders, Tractors, Graders         Vermeer CTX100         4,100         50,399           Trucks Light Duty         Ford F-150         3,465         42,594           Trucks Medium Duty         Ford F-250 SD         3,875         47,634           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master S000         1,220         14,997           Trucks Medium Duty         Ford F-250 SD         3,307         40,651           Trucks, Light Duty         Ford F-150         2,852         35,065 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
Equipment, Off-Road, Loaders, Tractors, Graders         Honda TRX500         1,207         14,843           Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,535         70,035           Equipment, Off-Road, Loaders, Tractors, Graders         Vermeer CTX100         4,100         50,399           Trucks Light Duty         Ford F-150         3,465         42,594           Trucks Medium Duty         Ford F-250 SD         3,875         47,634           Trucks Medium Duty         Ford F-250 SD         5,300         65,151           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Light Duty         Ford F-150 CC         2,852         477,379           Castle Rock Water Department         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150         2,775<							
Equipment, Off-Road, Loaders, Tractors, Graders         Bobcat 5600         5,535         70,035           Equipment, Off-Road, Loaders, Tractors, Graders         Vermeer CTX100         4,100         50,399           Trucks Light Duty         Ford F-150         3,465         42,594           Trucks Medium Duty         Ford F-250 SD         3,875         47,634           Trucks Medium Duty         Ford F-250 SD         5,300         65,151           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         1,220         14,997           Total Parks & Recreation Department         10         \$ 38,672         \$ 477,379           Castle Rock Water Department         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150         3,307         40,651           Trucks, Light Duty         Ford F-150         2,775         34,112           Trucks, Light Duty         Ford F-150         3,500         31,962           Trucks, Light Duty         Ford F-250 SD         3,900         47,941           Trucks, Light Duty         Ford F-250							-
Equipment, Off-Road, Loaders, Tractors, Graders         Vermeer CTX100         4,100         50,399           Trucks Light Duty         Ford F-150         3,465         42,594           Trucks Medium Duty         Ford F-250 SD         3,875         47,634           Trucks Medium Duty         Ford F-250 SD         5,300         65,151           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         1,220         14,997           Total Parks & Recreation Department         10         \$ 38,672         \$ 477,379           Castle Rock Water Department         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150         3,307         40,651           Trucks, Light Duty         Ford F-150         2,775         34,112           Trucks, Light Duty         Ford F-150         3,200         39,336           Trucks, Light Duty         Ford F-150         3,500         39,336           Trucks, Light Duty         Ford F-150         3,500         47,941           Trucks, Medium Duty         Ford F-250 SD         3,900	• •						
Trucks Light Duty         Ford F-150         3,465         42,594           Trucks Medium Duty         Ford F-250 SD         3,875         47,634           Trucks Medium Duty         Ford F-350 SD         5,300         65,151           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         1,220         14,997           Total Parks & Recreation Department         10         \$ 38,672         \$ 477,379           Castle Rock Water Department         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150         3,307         40,651           Trucks, Light Duty         Ford F-150         2,775         34,112           Trucks, Light Duty         Ford F-150         3,200         39,336           Trucks, Light Duty         Ford F-150         3,500         43,962           Trucks, Light Duty         Ford F-150         3,500         47,941           Trucks, Light Duty         Ford F-150         3,900         47,941           Trucks, Medium Duty         Ford F-250 SD         3,900         47,941		Bobcat 5600					
Trucks Medium Duty         Ford F-250 SD         3,875         47,634           Trucks Medium Duty         Ford F-350 SD         5,300         65,151           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         1,220         14,997           Total Parks & Recreation Department         10         \$ 38,672         \$ 477,379           Castle Rock Water Department           Trucks, Light Duty         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150         3,307         40,651           Trucks, Light Duty         Ford F-150         2,775         34,112           Trucks, Light Duty         Ford F-150         3,200         39,336           Trucks, Light Duty         Ford F-150         3,500         43,024           Trucks, Light Duty         Ford F-150         3,500         43,024           Trucks, Medium Duty         Ford F-250 SD         3,900         47,941           Trucks, Medium Duty         Ford F-250 SD         3,900         47,941           Trucks, Medium Duty					4,100		
Trucks Medium Duty         Ford F-350 SD         5,300         65,151           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         1,220         14,997           Total Parks & Recreation Department         10         \$ 38,672         \$ 477,379           Castle Rock Water Department           Trucks, Light Duty         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150         3,307         40,651           Trucks, Light Duty         Ford F-150         2,775         34,112           Trucks, Light Duty         Ford F-150         2,600         31,962           Trucks, Light Duty         Ford F-150         3,200         39,336           Trucks, Light Duty         Ford F-150         3,500         43,024           Trucks, Light Duty         Ford F-150         3,500         47,941           Trucks, Medium Duty         Ford F-250 SD         3,900         47,941           Trucks, Medium Duty         Ford F-250 SD         3,400         41,795           Trailers Medium Light         C		Ford F-150					
Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         1,220         14,997           Total Parks & Recreation Department         10         \$ 38,672         \$ 477,379           Castle Rock Water Department           Trucks, Light Duty         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150         3,307         40,651           Trucks, Light Duty         Ford F-150         2,775         34,112           Trucks, Light Duty         Ford F-150         2,775         34,112           Trucks, Light Duty         Ford F-150         3,200         39,336           Trucks, Light Duty         Ford F-150         3,200         39,336           Trucks, Medium Duty         Ford F-250 SD         3,900         47,941           Trucks, Medium Duty         Ford F-250 SD         3,900         47,941           Trucks, Medium Duty         Ford F-150         3,400         41,795           Trailers Medium Light         Carry-On 5X8G         107         1,312           Total Castle Rock Water Department	·	Ford F-250 SD			3,875		
Trucks Medium Duty         Ford F-250 SD         4,785         58,820           Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         1,220         14,997           Total Parks & Recreation Department         10         \$ 38,672         \$ 477,379           Castle Rock Water Department           Trucks, Light Duty         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150         3,307         40,651           Trucks, Light Duty         Ford F-150         2,775         34,112           Trucks, Light Duty         Ford F-150         3,200         39,336           Trucks, Light Duty         Ford F-150         3,200         39,336           Trucks, Light Duty         Ford F-150         3,500         43,024           Trucks, Medium Duty         Ford F-250 SD         3,900         47,941           Trucks, Medium Duty         Ford F-150         3,400         41,795           Trailers Medium Light         Carry-On 5X8G         107         1,312           Total Castle Rock Water Department         \$ 2,674,066         36,204           Total - All Departments         \$ 2,674,066         36,222	•						
Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows         Z-Master 5000         1,220         14,997           Total Parks & Recreation Department         10 \$ 38,672         \$ 477,379           Castle Rock Water Department         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150         3,307         40,651           Trucks, Light Duty         Ford F-150         2,775         34,112           Trucks, Light Duty         Chevrolet Colorado         2,600         31,962           Trucks, Light Duty         Ford F-150         3,200         39,336           Trucks, Light Duty         Ford F-150         3,500         43,024           Trucks, Light Duty         Ford F-150         3,500         47,941           Trucks, Medium Duty         Ford F-250 SD         3,900         47,941           Trucks, Medium Duty         Ford F-150         3,400         41,795           Trailers Medium Light         Carry-On 5X8G         107         1,312           Total Castle Rock Water Department         \$ 29,541         \$ 363,139           Total - All Departments         \$ 218,119         \$ 2,674,066           3% Contingency         80,222	•	Ford F-250 SD					
Total Parks & Recreation Department         10         \$ 38,672         \$ 477,379           Castle Rock Water Department         Ford F-150 CC         2,852         35,065           Trucks, Light Duty         Ford F-150         3,307         40,651           Trucks, Light Duty         Ford F-150         2,775         34,112           Trucks, Light Duty         Chevrolet Colorado         2,600         31,962           Trucks, Light Duty         Ford F-150         3,200         39,336           Trucks, Light Duty         Ford F-150         3,500         43,024           Trucks, Medium Duty         Ford F-250 SD         3,900         47,941           Trucks, Medium Duty         Ford F-250 SD         3,900         47,941           Trucks, Medium Duty         Ford F-150         3,400         41,795           Trailers Medium Light         Carry-On 5X8G         107         1,312           Total Castle Rock Water Department         10         \$ 29,541         \$ 363,139           Total - All Departments         \$ 218,119         \$ 2,674,066           3% Contingency         80,222	Trucks Medium Duty	Ford F-250 SD					58,820
Castle Rock Water Department         Trucks, Light Duty       Ford F-150 CC       2,852       35,065         Trucks, Light Duty       Ford F-150       3,307       40,651         Trucks, Light Duty       Ford F-150       2,775       34,112         Trucks, Light Duty       Chevrolet Colorado       2,600       31,962         Trucks, Light Duty       Ford F-150       3,200       39,336         Trucks, Light Duty       Ford F-150       3,500       43,024         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-150       3,400       41,795         Trailers Medium Light       Carry-On 5X8G       107       1,312         Total Castle Rock Water Department       \$ 29,541       \$ 363,139         Total - All Departments       \$ 218,119       \$ 2,674,066         3% Contingency       80,222	Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows	Z-Master 5000					14,997
Trucks, Light Duty       Ford F-150 CC       2,852       35,065         Trucks, Light Duty       Ford F-150       3,307       40,651         Trucks, Light Duty       Ford F-150       2,775       34,112         Trucks, Light Duty       Chevrolet Colorado       2,600       31,962         Trucks, Light Duty       Ford F-150       3,200       39,336         Trucks, Light Duty       Ford F-150       3,500       43,024         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Light       Carry-On 5X8G       107       1,312         Total Castle Rock Water Department       \$ 218,119       \$ 2,674,066         3% Contingency       80,222	Total Parks & Recreation Department		10	\$	38,672	\$	477,379
Trucks, Light Duty       Ford F-150       3,307       40,651         Trucks, Light Duty       Ford F-150       2,775       34,112         Trucks, Light Duty       Chevrolet Colorado       2,600       31,962         Trucks, Light Duty       Ford F-150       3,200       39,336         Trucks, Light Duty       Ford F-150       3,500       43,024         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-150       3,400       41,795         Trailers Medium Light       Carry-On 5X8G       107       1,312         Total Castle Rock Water Department       10 \$ 29,541       \$ 363,139         Total - All Departments       \$ 218,119       \$ 2,674,066         3% Contingency       80,222	Castle Rock Water Department						
Trucks, Light Duty       Ford F-150       2,775       34,112         Trucks, Light Duty       Chevrolet Colorado       2,600       31,962         Trucks, Light Duty       Ford F-150       3,200       39,336         Trucks, Light Duty       Ford F-150       3,500       43,024         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-150       3,400       41,795         Trailers Medium Light       Carry-On 5X8G       107       1,312         Total Castle Rock Water Department       10 \$ 29,541       \$ 363,139         Total - All Departments       \$ 218,119       \$ 2,674,066         3% Contingency       80,222	Trucks, Light Duty	Ford F-150 CC			2,852		35,065
Trucks, Light Duty       Chevrolet Colorado       2,600       31,962         Trucks, Light Duty       Ford F-150       3,200       39,336         Trucks, Light Duty       Ford F-150       3,500       43,024         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-150       3,400       41,795         Trailers Medium Light       Carry-On 5X8G       107       1,312         Total Castle Rock Water Department       10 \$ 29,541       \$ 363,139         Total - All Departments       \$ 218,119       \$ 2,674,066         3% Contingency       80,222	Trucks, Light Duty	Ford F-150			3,307		40,651
Trucks, Light Duty       Ford F-150       3,200       39,336         Trucks, Light Duty       Ford F-150       3,500       43,024         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-150       3,400       41,795         Trailers Medium Light       Carry-On 5X8G       107       1,312         Total Castle Rock Water Department       10 \$ 29,541       \$ 363,139         Total - All Departments       \$ 218,119       \$ 2,674,066         3% Contingency       80,222	Trucks, Light Duty	Ford F-150			2,775		34,112
Trucks, Light Duty       Ford F-150       3,500       43,024         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-150       3,400       41,795         Trailers Medium Light       Carry-On 5X8G       107       1,312         Total Castle Rock Water Department       10 \$ 29,541       \$ 363,139         Total - All Departments       \$ 218,119       \$ 2,674,066         3% Contingency       80,222	Trucks, Light Duty	Chevrolet Colorado			2,600		31,962
Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-250 SD       3,900       47,941         Trucks, Medium Duty       Ford F-150       3,400       41,795         Trailers Medium Light       Carry-On 5X8G       107       1,312         Total Castle Rock Water Department       10 \$ 29,541       \$ 363,139         Total - All Departments       \$ 218,119       \$ 2,674,066         3% Contingency       80,222	Trucks, Light Duty	Ford F-150			3,200		39,336
Trucks, Medium Duty         Ford F-250 SD         3,900         47,941           Trucks, Medium Duty         Ford F-150         3,400         41,795           Trailers Medium Light         Carry-On 5X8G         107         1,312           Total Castle Rock Water Department         10 \$ 29,541         \$ 363,139           Total - All Departments         \$ 218,119         \$ 2,674,066           3% Contingency         80,222	Trucks, Light Duty	Ford F-150			3,500		43,024
Trucks, Medium Duty         Ford F-150         3,400         41,795           Trailers Medium Light         Carry-On 5X8G         107         1,312           Total Castle Rock Water Department         10 \$ 29,541         \$ 363,139           Total - All Departments         \$ 218,119         \$ 2,674,066           3% Contingency         80,222	Trucks, Medium Duty	Ford F-250 SD			3,900		47,941
Trailers Medium Light         Carry-On 5X8G         107         1,312           Total Castle Rock Water Department         10 \$ 29,541 \$ 363,139           Total - All Departments         \$ 218,119 \$ 2,674,066           3% Contingency         80,222	Trucks, Medium Duty	Ford F-250 SD			3,900		47,941
Total Castle Rock Water Department       10 \$ 29,541 \$ 363,139         Total - All Departments       \$ 218,119 \$ 2,674,066         3% Contingency       80,222	Trucks, Medium Duty	Ford F-150			3,400		41,795
Total Castle Rock Water Department       10 \$ 29,541 \$ 363,139         Total - All Departments       \$ 218,119 \$ 2,674,066         3% Contingency       80,222	Trailers Medium Light	Carry-On 5X8G					
3% Contingency 80,222	Total Castle Rock Water Department		10	\$	29,541	\$	363,139
3% Contingency 80,222	Total - All Departments			\$	218.119	\$	2,674.066
	•				,	•	
2025 Vehicle & Equipment Replacement Total 43 \$ 218,119 \$ 2,754,288	2025 Vehicle & Equipment Replacement Total		43	\$	218,119	\$	2,754,288

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

1,112,867



**Total Funding Sources by Year** 

# 2021-2025 CAPITAL IMPROVEMENT PROGRAM

# **GOLF FUND**

# PARKS & RECREATION DEPARTMENT PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2021		2022	2023	2024	2025		Total
Red Hawk Ridge Maintenance Equipment	\$	-	\$ 515,695	\$ 112,496	\$ -	\$	-	\$ 628,191
Red Hawk Ridge Golf Carts		-	-	438,185	-		-	438,185
Clubhouse Upgrades		-	-	-	46,491		-	46,491
Total Expenditures by Year	\$	-	\$ 515,695	\$ 550,681	\$ 46,491	\$	-	\$ 1,112,867
								_
Project Funding Sources	2021		2022	2023	2024	2025		Total
Charges For Service	\$	-	\$ 515,695	\$ 550,681	\$ 46,491	\$	-	\$ 1,112,867

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.

515,695 \$

550,681

46,491



Hole #13 at Red Hawk Golf Course



Project Name Red Hawk Ridge Maintenance Equipment

Project Number: 70-30

Contact: Bob Persichetti, Head Golf Professional 5 Year Historical Total \$ 153,483

Department: Golf 2021-2025 Total 628,191

Category: Equipment CIP Project Total (2016-2025): \$ 781,674

Useful Life: 5-10 Years

# **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.

2022 - Mowers that are planned for replacement in 2022 are 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. Irrigation system updates are planned to be purchased in 2022. Amounts and potential financing needs will be evaluated in the future as maintenance equipment nears the end of its useful life.

2023 - Carryall utility tractors are planned to be purchased in 2023.

Expenditures		2021		2022	2023	2024		2025		Total
Equipment		\$	-	\$ 515,695	\$ 112,496	\$	-	\$	-	\$ 628,191
	Total Expenditures	\$	-	\$ 515,695	\$ 112,496	\$	-	\$	_	\$ 628,191
<b>Funding Sources</b>		2021		2022	2023	2024		2025		Total
Charges for Service		\$	-	\$ 515,695	\$ 112,496	\$	-	\$	-	\$ 628,191
	<b>Total Funding Sources</b>	\$	-	\$ 515,695	\$ 112,496	\$	-	\$	-	\$ 628,191

#### **Operational Impact**

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



Project Name Red Hawk Ridge Golf Carts

Project Number: 70-30

Contact: Bob Persichetti, Head Golf Professional 5 Year Historical Total \$ 724,377 artment: Golf 2021-2025 Total 438,185

 Department:
 Golf
 2021-2025 Total
 438,185

 Category:
 Equipment
 CIP Project Total (2016-2025): \$ 1,162,562

Useful Life: 4 years

# **Description and Justification**

The existing cart fleet at Red Hawk Ridge is in its first year of service of the four year lease. In time the fleet will show signs of wear and tear due to ongoing demands. 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. Golf carts are leased for four years, a new leased fleet was delivered in the spring of 2019 and will need to be replaced in the spring of 2023. More accurate cost projections and replacement specifics will be established in 2022.

Expenditures			2021			2022			2023		2024			2025			Total
Equipment		\$		-	\$		-	\$	438,185	\$		-	\$		-	\$	438,185
	Total Expenditures	\$		_	\$		-	\$	438,185	\$		-	\$		-	\$	438,185
<b>Funding Sources</b>			2021			2022			2023		2024			2025			Total
Charges for Service	)	\$		-	\$		-	\$	438,185	\$		-	\$		-	\$	438,185
	Total Funding Sources	ć			<u>,</u>			<u>,</u>	420 105	ć			ć			<u>,</u>	420 105
	<b>Total Funding Sources</b>	\$		-	\$		-	\$	438,185	\$		-	\$		-	\$	438,185

# **Operational Impact**

No operational impact is expected outside of current budget.



Project Name Clubhouse Upgrades

Project Number: 70-20

Contact: Bob Persichetti, Head Golf Professional 5 Year Historical Total \$ 150,775

Department: Golf 2021-2025 Total 46,491

Category: Equipment CIP Project Total (2016-2025): \$ 197,266

Useful Life: 10+ Years

# **Description and Justification**

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

_			2022			2023			2024		2025			Total
	-	\$		-	\$		-	\$	46,491	\$		-	\$	46,491
	-	\$		_	\$		_	\$	46,491	\$		-	\$	46,491
2021			2022			2023			2024		2025			Total
	-	\$		-	\$		-	\$	46,491	\$		-	\$	46,491
		ć			ć			ć	<i>16 1</i> 01	ć			ć	46,491
	2021	2021	- \$ 2021 - \$	- \$ 2021 2022 - \$	- \$ - 2021 2022 - \$ -	- \$ - \$ 2021 2022 - \$	2021 2022 2023 - \$ - \$	2021 2022 2023 - \$ - \$ -	2021 2022 2023 - \$ - \$ - \$ - \$	- \$ - \$ - \$ 46,491  2021 2022 2023 2024 - \$ - \$ - \$ 46,491	-       \$       -       \$       46,491       \$         2021       2022       2023       2024         -       \$       -       \$       46,491       \$	- \$ - \$ \$ \$	- \$ - \$ - \$ - \$ 46,491 \$ -  2021 2022 2023 2024 2025 - \$ - \$ - \$ 46,491 \$ -	-       \$       -       \$       46,491       \$       -       \$         2021       2022       2023       2024       2025       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$         -       \$       -       \$       -       \$       46,491       \$       -       \$

# **Operational Impact**

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



# COMMUNITY CENTER FUND PARKS & RECREATION DEPARTMENT PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2021	2022	2023	2024	2025	Total
Fitness Equipment Replacement	\$ 175,000	\$ 350,000	\$ -	\$ -	\$ 80,000	\$ 605,000
Parking Lot Improvement	225,000	-	-	-	-	225,000
Recreation Center HVAC	-	-	150,000	310,000	-	460,000
Miller Activity Complex Boiler	-	-	-	-	115,000	115,000
Total Expenditures by Year	\$ 400,000	\$ 350,000	\$ 150,000	\$ 310,000	\$ 195,000	\$ 1,405,000
<b>Project Funding Sources</b>	2021	2022	2023	2024	2025	Total
Sales Tax	\$ 400,000	\$ 350,000	\$ 150,000	\$ 310,000	\$ 195,000	\$ 1,405,000
<b>Total Funding Sources by Year</b>	\$ 400,000	\$ 350,000	\$ 150,000	\$ 310,000	\$ 195,000	\$ 1,405,000

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.



Millhouse at Philip S. Miller Park



Project Name Fitness Equipment Replacement

Project Number: Multiple

Contact: Mike Kilman, Recreation Manager 5 Year Historical Total \$ 1,579,278

Department: Parks & Recreation Department 2021-2025 Total 605,000

Category: Equipment CIP Project Total (2016-2025): \$ 2,184,278

Useful Life: 3 Years

# **Description and Justification**

The weight training machines were last purchased in 2013 and are scheduled to be replaced in 2021, which is when they reach their end of functional lifespan resulting in increased down time for repair and maintenance. In order to provide a safe and functional workout experience, it is important to move to an eight year purchasing cycle to avoid increased costs for labor to maintain aging equipment and prevent increased time equipment is out of order. An eight year cycle will also allow 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 2021 as they are reaching their end of functional lifespan as well.

In 2022, the cardio equipment will be three years old and industry standards recommend replacement every three years. Equipment replacement is necessary in order to maintain safety, functionality, and expected levels of services for Recreation Center users.

Expenditures			2021		2022		2023			2024			2025		Total
Free Weight/Circu	uit	\$	175,000	\$	-	\$		-	\$		-	\$	80,000	\$	255,000
Cardio and Spin E	quipment Replacement		-		350,000			-			-		-		350,000
	<b>Total Expenditures</b>	\$	175,000	\$	350,000	\$		_	\$		-	\$	80,000	\$	605,000
<b>Funding Sources</b>			2021		2022		2023			2024			2025		Total
Sales Tax		\$	175,000	\$	350,000	\$		-	\$		-	\$	80,000	\$	605,000
	<b>Total Funding Sources</b>	Ċ	175,000	ć	350,000	ć		-	ć		_	Ċ	80,000	¢	605,000

#### **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.



Project Name Parking Lot Improvement

Project Number: 70-10

Contact: Mike Kilman, Recreation Manager 5 Year Historical Total \$ -

Department: Parks & Recreation Department 2021-2025 Total 225,000

Category: Building CIP Project Total (2016-2025): \$ 225,000

Useful Life: 5 - 10 Years

#### **Description and Justification**

The parking lot located at the Castle Rock Recreation Center requires regular upkeep. Continual repair of parking lot surfaces ensures a better experience for users and reduces the possibility of significant failures in the parking lot in the future. Planned expenditures accommodate an overlay process and replacement as needed. This item was originally requested for the 2020 budget, but due to economic conditions it was delayed to 2021.

Expenditures			2021		2022			2023			2024			2025			Total
Recreation Center Parking Lot		\$	225,000	\$		-	\$		-	\$		- :	\$		-	- \$	225,000
	Total Expenditures	\$	225,000	\$		-	\$		_	\$		_	\$		_	\$	225,000
<b>Funding Sources</b>			2021		2022			2023			2024			2025			Total
Sales Tax		\$	225,000	\$		-	\$		-	\$		-	\$		-	\$	225,000
	T. 15 11 6	_	225 222	_						_			_				
	<b>Total Funding Sources</b>	\$	225,000	Ş		-	Ş		-	Ş		-	Ş		-	\$	225,000

#### **Operational Impact**

No additional revenues or expenditures are anticipated as a result of this project. Long term savings may be realized by undergoing this proactive repair to parking lots, but amounts are not quantifiable at this time.



Project Name Recreation Center HVAC

Project Number: 70-30

Contact: Mike Kilman, Recreation Manager 5 Year Historical Total \$ 1,579,278

Department: Parks & Recreation Department 2021-2025 Total 460,000

Category: Equipment CIP Project Total (2016-2025): \$ 2,039,278

Useful Life: 20 Years

# **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.

Expenditures		2021		2022		2023	2024	2025		Total
Recreation Center RTU HVAC units	\$		-	\$	-	\$ -	\$ 160,000	\$	-	\$ 160,000
Recreation Lap Pool DHU			-		-	100,000	150,000		-	250,000
Recreation MUA unit			-		-	50,000	-		-	 50,000
Total Expenditure	es \$		-	\$	-	\$ 150,000	\$ 310,000	\$	-	\$ 460,000
Funding Sources		2021		2022		2023	2024	2025		Total
Funding Sources Sales Tax	\$	2021	-	\$ 2022	-	\$ <b>2023</b> 150,000	\$ <b>2024</b> 310,000	\$ 2025	-	\$ <b>Total</b> 460,000
	\$	2021	-	\$ 2022	-	\$ 	\$ 	\$ 2025	-	\$

#### **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.



Project Name Miller Activity Complex Boiler

Project Number: 70-30

Contact: Mike Kilman, Recreation Manager 5 Year Historical Total \$ 1,579,278

Department: Parks & Recreation Department 2021-2025 Total 115,000

Category: Equipment CIP Project Total (2016-2025): \$ 1,694,278

Useful Life: 20 Years

# **Description and Justification**

All pool facilities 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 would force the pool to be closed for over a month and result in revenue losses over \$40,000. The new backup boiler will allow the pool to continue to operate while maintenance and repairs are being done on the main boiler.

Expenditures			2021			2022			2023			2024			2025	Total
MAC Backup Boile	er	\$		-	\$		-	\$		-	\$		-	\$	115,000	\$ 115,000
	Total Expenditures	\$		-	\$		-	\$		-	\$		-	\$	115,000	\$ 115,000
<b>Funding Sources</b>	•		2021			2022			2023			2024			2025	Total
Sales Tax		\$		-	\$		-	\$		-	\$		-	\$	115,000	\$ 115,000
	Total Funding Sources	<u>,</u>		_	<u>^</u>		_	Ś		_	_		_	_	115,000	 115,000

#### **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.