



CAPITAL IMPROVEMENT PROGRAM

**For the Six (6) Fiscal Years Ending
June 30, 2023 - 2028**

CITY COUNCIL

Carla J. Filkins, Mayor
At Large

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First Ward

Robert Engels, Councilmember
Third Ward

Antoinette Schippers, Mayor Pro-Tem
Second Ward

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Adam Ottjepka - Public Safety Director

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Foster, Swift, Collins & Smith, PC

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

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INTRODUCTION AND SUMMARY

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What is the 6-Year Capital Improvement Program?

The information that follows represents the City of Cadillac's 6-Year Capital Improvement Program. In it, projects have been identified that need to be addressed over the next six fiscal years. The program serves as a crucial planning component within the City's overall operational management structure. Since its inception, most projects undertaken within the City have come through this planning document. The program provides important information that aids in maintaining the City's critical infrastructure as well as the equipment needed to carry out the delivery of services to the community.

What is a Capital Project?

For the purposes of the Capital Improvement Program, a capital project has been identified by the city as any project that exceeds the City Council purchasing threshold of \$7,500 and has an estimated useful life of greater than one year. This includes items like police cars, fire trucks, streets and other construction projects, parks maintenance equipment, snowplows, street sweepers, etc. This program identifies those projects that meet the criteria above that will be addressed in the next six years.



How is the program developed?

The program is developed in the Financial Services Department using project information submitted by each department within the City. Once all project requests have been received, the requests are reviewed and added to the program where appropriate. Projects identified in previous programs remain in the current program unless a different priority or strategy makes it unnecessary to do so. Once a final proposed document has been completed, the program is distributed to the City Council and is also made available for the public to review. The Council holds work sessions to discuss the program, and citizen input is sought through both the work session and through a public hearing process. Once the public hearing has been completed, the program is finalized and adopted by Council.

How is the 6-Year Capital Improvement Program organized?

The program is developed on a departmental basis. Summaries for the overall program are listed by department in order to help analyze the impact to each fund within the City. The summaries that follow on the next several pages will highlight the annual cost of projects for each department per year, as well as summarize the sources of funding that have been identified each year to complete the related slate of projects. Keep in mind that not all projects that are in this document will be completed. Over the next six years, priorities may change and funding sources may be eliminated making completion of the project imprudent or impossible.

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Program Summary

On a departmental basis, the 6-Year Capital Improvement Program includes the following request levels, presented by fiscal year:

Fund	Year 1 - FY2023	Year 2 - FY2024	Year 3 - FY2025	Year 4 - FY2026	Year 5 - FY2027	Year 6 - FY2028	Grand Total
General Fund							
Municipal Complex and Administration	45,000	50,000	130,000	258,000			483,000
Parks	10,000	65,500	95,000	8,000	65,000	8,000	251,500
Police Department	15,000	80,000	60,000	60,000	60,000	60,000	335,000
Fire Department	15,000	450,000			600,000		1,065,000
General Fund Total	85,000	645,500	285,000	326,000	725,000	68,000	2,134,500
Major Street Fund	850,000	300,000	600,000	800,000			2,550,000
Local Street Fund	1,335,000	1,210,000	1,440,000	128,000			4,113,000
Cemetery Operating Fund	23,000		100,000	58,000			181,000
Water and Sewer Fund	918,500	1,380,500	1,400,500	1,145,000	698,000	800,000	6,342,500
Stores and Garage Fund	95,000	140,000	40,000	40,000			315,000
Information Technology Fund	70,000	40,000	70,000	40,000	20,000	20,000	260,000
Industrial Park Fund	50,000		600,000				650,000
Community Development	400,000		350,000				750,000
Grand Total	3,826,500	3,716,000	4,885,500	2,537,000	1,443,000	888,000	17,296,000

Source of Funds

It is also important to identify the sources of funding that will be used to fund each year's projects. This helps to determine the viability of each year's requests and serves as a critical planning tool for current and future operating budgets. For the current 6-year program, the following sources of funding have been identified by fiscal year:

Source of Funds	Year 1 - FY2023	Year 2 - FY2024	Year 3 - FY2025	Year 4 - FY2026	Year 5 - FY2027	Year 6 - FY2028	Total
General Governmental Revenues	535,000	645,500	1,060,000	326,000	660,000	68,000	3,294,500
Future Donations	0	0	0	50,000	65,000	0	115,000
Operating Revenues	1,106,500	1,560,500	1,610,500	1,233,000	718,000	820,000	7,048,500
MVHF	1,997,500	1,510,000	2,040,000	553,000	0	0	6,100,500
Grants	187,500	0	175,000	375,000	0	0	737,500
	3,826,500	3,716,000	4,885,500	2,537,000	1,443,000	888,000	17,296,000

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Projects by Fiscal Year

The following tables identify specific projects that have been requested in each of the six fiscal years included in the current program. The summary lists the department that is making the request, the name of the project, the estimated cost, and the page number that the project details can be found on within this document. The first year of the program will be used in the development of the Annual Operating Budget, a process which will begin shortly after final approval and adoption of the program.

Year 1 - FY2023			
Municipal Complex and Administration	New Municipal Complex Entry Doors	20,000	9
	Municipal Complex Updates	25,000	10
Police Department	K-9 Officer	15,000	16
Fire Department	Extrication Equipment	15,000	24
Parks	Lakefront Lighting	10,000	27
Major Street	W. Division Street (Linden to Colfax)	550,000	39
	Carmel Street (Cobbs to Stimson)	300,000	40
Local Street	Lester Street (Hobart to Howard)	675,000	45
	Ayer Street (Wheeler to Plett)	410,000	46
	Simons Street (Pine to Bremer)	250,000	47
Maple Hill Cemetery	Riding Lawn Mower	8,000	63
	Sprinkler System Upgrade	15,000	64
Water and Wastewater	Lester Street (Cobbs to Howard)	115,000	71
	Ayer Street	10,000	72
	Simons Street (Pine to Bremer)	40,000	73
	W. Division Street	54,000	74
	Analytical Lab Balance	8,000	75
	1/2 Ton Service Truck	35,000	76
	Influent Screw Pump	140,000	77
	Lab Counter Replacement	15,000	78
	Portable Generator	60,000	79
	LIMS/WIMS Software	90,000	80
	Exterior Door/Window Replacement-WWTP	115,000	81
	Kubota Tractor	25,000	82
	Submersible Hydraulic Pump	90,000	83
	New Control Panel	100,000	84
	Push Sewer Camera	13,500	85
	2 Sets of Certified Weights	8,000	86
Department of Public Works	3/4-Ton 4X4 Pickup Truck	35,000	132
	Wood Chipper	30,000	133
	Sidewalk Snow Removal Equipment	30,000	134
Information Technology	Computer Replacement	20,000	141
	Wireless Project	50,000	142
Community Development	Cass/Mitchell/Chapin Upgrades	400,000	152
Industrial Parks	Entrance Signs	50,000	155
Year 1 - FY2023 Total		3,826,500	

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Year 2 - FY2024			
Municipal Complex and Administration	Backup Generator	50,000	11
Police Department	Car Port	25,000	17
	Police Patrol Vehicle	55,000	18
Fire Department	Overhaul Aerial Ladder Truck	450,000	25
Parks	Playground Equipment	50,000	28
	Riding Lawn Mower	8,000	29
	Shoreline Stabilization	7,500	30
Major Street	Linden Street (W. Division to Arthur)	300,000	41
Local Street	Aldrich Street (Bond to Linden)	335,000	48
	Crippen Street (Mitchell to Hemlock)	450,000	49
	Hemlock Street (Pine to Washington)	100,000	50
	Lincoln Street (Hemlock to May)	75,000	51
	Simons Street (Mason to Cass)	250,000	52
Water and Wastewater	Aldrich Street (Bond to Linden)	111,000	87
	Crippen Street (Mitchell to Hemlock)	130,000	88
	Linden Street	44,000	89
	N. Simons Street	37,500	90
	Major Building Exterior Repairs	175,000	91
	Visitor/Client Entrance - WWTP	95,000	92
	1/2 Ton Service Truck	40,000	93
	Gas Storage and Energy Production	600,000	94
	Piston Pump Replacement	25,000	95
	Backhoe	123,000	96
Department of Public Works	1-Ton Dump Truck	70,000	135
	Four Post Column Lift	35,000	136
	3/4-Ton 4X4 Pickup Truck	35,000	137
Information Technology	Computer Replacement	20,000	143
	IT Infrastructure	20,000	144
Year 2 - FY2024 Total		3,716,000	
Year 3 - FY2025			
Municipal Complex and Administration	Heating and Cooling Renovation	100,000	12
	Upgrade Municipal Complex Restrooms	30,000	13
Police Department	Police Patrol Vehicle	60,000	19
Parks	Kenwood Parking Lot	60,000	31
	Parking Lot Upgrades - Lake and Chestnut St.	35,000	32
Major Street	W. Division Street (Colfax to Leeson)	600,000	42
Local Street	Burlingame Street (13th to Ford)	325,000	53
	Crestview Street	140,000	54
	Evart Street	220,000	55
	Blodgett Street (Lincoln to Washington)	90,000	56
	Delmar Street (Chapin to E. Division)	125,000	57
	Elmer Street (Waldo to Linden)	400,000	58

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	Wheeler Street (Ayer to Smith)	140,000	59
Maple Hill Cemetery	Maintenance Garage	100,000	65
Water and Wastewater	Burlingame Street (13th to Ford)	148,000	97
	Crestview Street	64,000	98
	Evart Street	80,000	99
	Elmer Street	76,000	100
	Two (2) Service Trucks	80,000	101
	Type 1 Water System	15,000	102
	Anaerobic Digester Cleaning	75,000	103
	Televised Inspection Trailer	225,000	104
	Two (2) Riding Lawn Mowers	30,000	105
	Construction/Job Cargo Trailer	7,500	106
	Sewer Lining	500,000	107
	WWTP Handrail Replacement	100,000	108
Department of Public Works	3/4-Ton 4X4 Pickup Truck	40,000	138
Information Technology	Computer Replacement	20,000	145
	IT Infrastructure	50,000	146
Community Development	Sidewalk Construction	350,000	153
Industrial Parks	James E. Potvin Industrial Park Expansion	600,000	156
Year 3 - FY2025 Total		4,885,500	
Year 4 - FY2026			
Municipal Complex and Administration	Fire Garage Expansion	258,000	14
Police Department	Police Patrol Vehicle	60,000	20
Parks	Riding Lawn Mower	8,000	33
Major Street	North Boulevard (M-115 to Rose Street)	800,000	43
Local Street	Warbler Lane (Paluster to Cardinal)	67,000	60
	Cardinal Drive (Warbler to Crosby)	61,000	61
Maple Hill Cemetery	Entrance Pillars	50,000	66
	Riding Lawn Mower	8,000	67
Water and Wastewater	Analytical Lab Balance	10,000	109
	Wastewater/Lab Fume Hoods	35,000	110
	Transformer Replacement	20,000	111
	Aqua Disk Upgrade	55,000	112
	Channel Monster Replacement	45,000	113
	Main Building Roof Replacement	50,000	114
	Ultraviolet System Upgrade	110,000	115
	Compact Tractor	30,000	116
	Two (2) 1/2-Ton Service Trucks	80,000	117
	Sewer Lining	500,000	118
	Lake, Leeson, Leisure Street Pumps	125,000	119
	Lift Station Exteriors and Doors	85,000	120

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Department of Public Works	3/4-Ton 4X4 Pickup Truck	40,000	139
Information Technology	Computer Replacement	20,000	147
	IT Infrastructure	20,000	148
Year 4 - FY2026 Total		2,537,000	
Year 5 - FY2027			
Police Department	Police Patrol Vehicle	60,000	21
Fire Department	Fire Truck	600,000	26
Parks	Skate Park Equipment	40,000	34
	Walkway Bridge Gazebo	25,000	35
Water and Wastewater	Two (2) Service Trucks	80,000	121
	Sewer Lining	500,000	122
	Handheld Radio Meter Reader	10,000	123
	Muffle Furnace/Drying Oven	8,000	124
	Lift Station Pumps	60,000	125
	Muffin Monster Cutter Stack	16,000	126
	Diffuser Head Replacement	24,000	127
Information Technology	Computer Replacement	20,000	149
Year 5 - FY2027 Total		1,443,000	
Year 6 - FY2028			
Police Department	Police Patrol Vehicle	60,000	22
Parks	Riding Lawn Mower	8,000	36
Water and Wastewater	1/2 Ton Service Truck	50,000	128
	Automated Screen and Screw Conveyor	400,000	129
	Grit Collection Equipment	350,000	130
Information Technology	Computer Replacement	20,000	150
Year 6 - FY2028 Total		888,000	
Grand Total		17,296,000	

Following these summary pages are the details for the projects included in this Capital Improvement Program. The details will be broken down by each department. A departmental summary page will be first, followed by a project summary page for each project included in the program. This Capital Improvement Program will give the reader insight into the capital needs that the City of Cadillac will face over the next six years. If you have any questions pertaining to this report or would like additional information, please direct your request to the City of Cadillac, Director of Finance, 200 N. Lake Street, Cadillac, MI, 49601, or call the Financial Services Department at (231) 775-0181.

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Projects Identified – Municipal Complex/General Government

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Municipal Complex and Administration	
Year 1 - FY2023	
New Municipal Complex Entry Doors	20,000
Municipal Complex Updates	25,000
Year 1 - FY2023 Total	45,000
Year 2 - FY2024	
Backup Generator	50,000
Year 2 - FY2024 Total	50,000
Year 3 - FY2025	
Heating and Cooling Renovation	100,000
Upgrade Municipal Complex Restrooms	30,000
Year 3 - FY2025 Total	130,000
Year 4 - FY2026	
Fire Garage Expansion	258,000
Year 4 - FY2026 Total	258,000
Municipal Complex and Administration Total	483,000

MUNICIPAL COMPLEX AND ADMINISTRATION

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Program Fiscal Year: **YEAR 1 – FY2023**

Project Title: **MUNICIPAL COMPLEX ENTRY DOORS**

First Year in CIP: 2018
Project Category: Building Construction
Department: Municipal Complex

Total Project Cost: \$20,000

Project Description: Replace entry doors in three (3) locations. Install electronic access at two main complex entrances on North and East side of building.

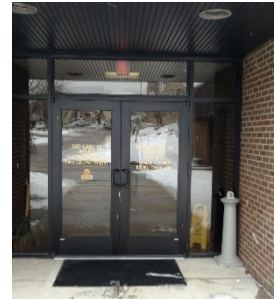
Project Justification and/or Need: Current doors are aging and are not insulated well. Additionally, installing electronic access devices will enhance security by reducing the number of keys that will be issued for building access.

Project Impact/Benefit: Enhanced heating and cooling efficiency; enhanced security access control.

Operating Fund Impact: Reduce utility costs by approximately \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$20,000
Total	\$20,000



MUNICIPAL COMPLEX AND ADMINISTRATION

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Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **MUNICIPAL COMPLEX UPDATES**

First Year in CIP: 2022
Project Category: Building Construction
Department: Municipal Complex

Total Project Cost: \$25,000

Project Description: Several areas of the municipal complex need updates and repairs.

Project Justification and/or Need: The municipal complex is nearly 50 years old and needs to be maintained to ensure efficient and safe operations for employees and visitors.

Project Impact/Benefit: Project will protect the integrity of the municipal complex structure and provide efficient and safe work spaces and visitor access.

Operating Fund Impact: Reduce small repair costs by approximately \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$25,000
Total	\$25,000

MUNICIPAL COMPLEX AND ADMINISTRATION

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Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **BACKUP GENERATOR**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Administration

Total Project Cost: \$50,000

Project Description: Replace generator in Municipal Complex. Current unit has reached the end of its useful life.

Project Justification and/or Need: Complex generator is an important backup power source for the City's data, security, and public safety services. Generator operates garage doors in Police and Fire departments and will enable services to continue during extended power outages.



Project Impact/Benefit: Enhances ability to provide ongoing public safety during power outages, and protects important City data.

Operating Fund Impact: Reduced maintenance costs and service calls could save an estimated \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$50,000
Total	<u>\$50,000</u>

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Program Fiscal Year: **YEAR 3 – FY2025**

Project Title: **HEATING AND COOLING SYSTEM RENOVATION**

First Year in CIP: 2015
Project Category: Building Maintenance
Department: Municipal Complex

Total Project Cost: \$10,000

Project Description: Ongoing maintenance of the municipal complex is essential. Phasing this maintenance aids continuous improvement of the facility.

Project Justification and/or Need: Existing system is in need of modernization.

Project Impact/Benefit: Ensure optimum operating efficiency and reduce downtime of system.

Operating Fund Impact: It is expected that replacing and renovating the system will help avoid major outages and failures and reduce major annual maintenance costs by up to \$1,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$100,000
Total	\$100,000

MUNICIPAL COMPLEX AND ADMINISTRATION

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Program Fiscal Year: **YEAR 3 – FY2025**

Project Title: **UPGRADE MUNICIPAL COMPLEX RESTROOMS**

First Year in CIP: 2004
Project Category: Building Maintenance
Department: Municipal Complex

Total Project Cost: \$30,000

Project Description: Ongoing maintenance of the municipal complex is essential. Phasing this maintenance aids continuous improvement of the facility.

Project Justification and/or Need: Existing facility is 37 years old and in need of modernization. Project will encompass floors, lighting, dividers and toilets.

Project Impact/Benefit: Project will include public and employee bathrooms in the Police Department and Administration, as well as the shower facilities in the police department.



Operating Fund Impact: It is expected that upgrading the restrooms in the entire facility will reduce minor maintenance costs by approximately \$600 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$30,000
Total	<u>\$30,000</u>

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Program Fiscal Year: **YEAR 4 – FY2026**
Project Title: **FIRE GARAGE EXPANSION**

First Year in CIP: 2016
Project Category: Building Construction
Department: Municipal Complex

Total Project Cost: \$258,000

Project Description: Add approximately 1700 sf addition to garage space including new office space for Fire Marshal. Space would serve as a new space for physical fitness equipment making more apparatus bay space available for emergency equipment.

Project Justification and/or Need: Additional space would enable all City vehicles and equipment to be stored inside, importantly including the HAZMAT and Technical Rescue trailers which are currently stored outside. Could also accommodate a second ambulance when service demands may warrant.

Project Impact/Benefit: Interior storage of equipment prevents damage from the Northern Michigan elements. For example, HAZMAT suits deteriorate much more quickly when they are not stored in a temperature-controlled environment. Project would also enable physical fitness equipment to be available to staff outside of a garage area with frequent operation of diesel engines.

Operating Fund Impact: Interior storage would extend the usable life of the equipment in the trailers, and could also protect other vehicles from damage and wear from being stored outside. Savings could average \$2,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$258,000
Total	\$258,000

MUNICIPAL COMPLEX AND ADMINISTRATION

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Projects Identified – Police Department

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Police Department	
Year 1 - FY2023	
K-9 Officer	15,000
Year 1 - FY2023 Total	15,000
Year 2 - FY2024	
Car Port	25,000
Police Patrol Vehicle	55,000
Year 2 - FY2024 Total	80,000
Year 3 - FY2025	
Police Patrol Vehicle	60,000
Year 3 - FY2025 Total	60,000
Year 4 - FY2026	
Police Patrol Vehicle	60,000
Year 4 - FY2026 Total	60,000
Year 5 - FY2027	
Police Patrol Vehicle	60,000
Year 5 - FY2027 Total	60,000
Year 6 - FY2028	
Police Patrol Vehicle	60,000
Year 6 - FY2028 Total	60,000
Police Department Total	335,000

POLICE DEPARTMENT

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Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **K-9 OFFICER**

First Year in CIP: 2021
Project Category: Other
Department: Police



Total Project Cost: \$15,000

Project Description: The current K-9 officer, Sage, has served with great distinction since 2013. As Sage's retirement nears, it is time to plan on purchasing a new K-9.

Project Justification and/or Need: The K-9 officer serves an important role in the Cadillac Police Department. With Sage's retirement nearing, a new K-9 officer will be needed.

Project Impact/Benefit: The K-9 officer is an important part of the CPD staff which needs to be maintained after the retirement of the current officer.



Operating Fund Impact: Temporary increase in training costs of \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$15,000
Total	\$15,000

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Program Fiscal Year: **YEAR 2 - FY2024**
Project Title: **CAR PORT**

First Year in CIP: 2019
Project Category: Building
Department: Police



Total Project Cost: \$20,000

Project Description: Build a car port to provide covered parking for patrol cars.

Project Justification and/or Need: Project will keep responding patrol cars and administrative vehicles in a ready state to respond to emergency calls for service. Will keep vehicles protected from elements and extend life span of departmental assets.



Project Impact/Benefit: Project will enable a more expedient response time for critical emergency calls during times of inclement weather.

Operating Fund Impact: No significant impact on operating budget; extended life of vehicles.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$20,000
Total	\$20,000

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Program Fiscal Year: **YEAR 2 - FY2024**

Project Title: **POLICE PATROL VEHICLE REPLACEMENT**

First Year in CIP: 2018
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$55,000

Project Description: The patrol vehicle replacement program is designed to replace vehicles by the end of their estimated useful life. Beginning in 2020 the department will switch to all-wheel drive, SUV-model patrol vehicles.



Project Justification and/or Need: Patrol vehicles are used daily and are often driven 24 hours per day. The estimated useful life of a patrol vehicle is approximately 90,000 miles. A modern and safe fleet is essential to aid public safety personnel in the carrying out of their duties.

Project Impact/Benefit: A regular cycle of patrol vehicle replacement keeps each vehicle that is in service in optimal condition, helping to protect the safety of officers as they carry out their duties.

Operating Fund Impact: Reduce minor maintenance by \$600 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$55,000
Total	\$55,000

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Program Fiscal Year: **YEAR 3 - FY2025**

Project Title: **POLICE PATROL VEHICLE REPLACEMENT**

First Year in CIP: 2019
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$55,000

Project Description: The patrol vehicle replacement program is designed to replace vehicles by the end of their estimated useful life. Beginning in 2020 the department will switch to all-wheel drive, SUV-model patrol vehicles.



Project Justification and/or Need: Patrol vehicles are used daily and are often driven 24 hours per day. The estimated useful life of a patrol vehicle is approximately 90,000 miles. A modern and safe fleet is essential to aid public safety personnel in the carrying out of their duties.

Project Impact/Benefit: A regular cycle of patrol vehicle replacement keeps each vehicle that is in service in optimal condition, helping to protect the safety of officers as they carry out their duties.

Operating Fund Impact: Reduce minor maintenance by \$600 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$55,000
Total	\$55,000

POLICE DEPARTMENT

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For the fiscal years ending June 30, 2022-2027

Program Fiscal Year: **YEAR 4 - FY2026**

Project Title: **POLICE PATROL VEHICLE REPLACEMENT**

First Year in CIP: 2022
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$60,000

Project Description: The patrol vehicle replacement program is designed to replace vehicles by the end of their estimated useful life. Beginning in 2020 the department switched to all-wheel drive, SUV-model patrol vehicles.



Project Justification and/or Need: Patrol vehicles are used daily and are often driven 24 hours per day. The estimated useful life of a patrol vehicle is approximately 90,000 miles. A modern and safe fleet is essential to aid public safety personnel in the carrying out of their duties.

Project Impact/Benefit: A regular cycle of patrol vehicle replacement keeps each vehicle that is in service in optimal condition, helping to protect the safety of officers as they carry out their duties.

Operating Fund Impact: Reduce minor maintenance by \$600 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$60,000
Total	\$60,000

POLICE DEPARTMENT

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2022-2027

Program Fiscal Year: **YEAR 5 - FY2027**

Project Title: **POLICE PATROL VEHICLE REPLACEMENT**

First Year in CIP: 2022
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$60,000

Project Description: The patrol vehicle replacement program is designed to replace vehicles by the end of their estimated useful life. Beginning in 2020 the department switched to all-wheel drive, SUV-model patrol vehicles.



Project Justification and/or Need: Patrol vehicles are used daily and are often driven 24 hours per day. The estimated useful life of a patrol vehicle is approximately 90,000 miles. A modern and safe fleet is essential to aid public safety personnel in the carrying out of their duties.

Project Impact/Benefit: A regular cycle of patrol vehicle replacement keeps each vehicle that is in service in optimal condition, helping to protect the safety of officers as they carry out their duties.

Operating Fund Impact: Reduce minor maintenance by \$600 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$60,000
Total	\$60,000

POLICE DEPARTMENT

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2022-2027

Program Fiscal Year: **YEAR 6 - FY2028**

Project Title: **POLICE PATROL VEHICLE REPLACEMENT**

First Year in CIP: 2022
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$60,000

Project Description: The patrol vehicle replacement program is designed to replace vehicles by the end of their estimated useful life. Beginning in 2020 the department switched to all-wheel drive, SUV-model patrol vehicles.



Project Justification and/or Need: Patrol vehicles are used daily and are often driven 24 hours per day. The estimated useful life of a patrol vehicle is approximately 90,000 miles. A modern and safe fleet is essential to aid public safety personnel in the carrying out of their duties.

Project Impact/Benefit: A regular cycle of patrol vehicle replacement keeps each vehicle that is in service in optimal condition, helping to protect the safety of officers as they carry out their duties.

Operating Fund Impact: Reduce minor maintenance by \$600 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$60,000
Total	\$60,000

POLICE DEPARTMENT

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Projects Identified – Fire Department

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Fire Department	
Year 1 - FY2023	
Extrication Equipment	15,000
Year 1 - FY2023 Total	15,000
Year 2 - FY2024	
Overhaul Aerial Ladder Truck	450,000
Year 2 - FY2024 Total	450,000
Year 5 - FY2027	
Fire Truck	600,000
Year 5 - FY2027 Total	600,000
Fire Department Total	1,065,000

FIRE DEPARTMENT

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **EXTRICATION EQUIPMENT**

First Year in CIP: 2022
Project Category: Equipment
Department: Fire



Total Project Cost: \$15,000

Project Description: Purchase new extrication equipment to replace aging equipment.



Project Justification and/or Need: Current equipment is aging and is a critical piece of lifesaving equipment that needs to be kept in optimal working order.

Project Impact/Benefit: Ensures ability of responding rescue staff to provide critical services.

Operating Fund Impact: Reduce minor maintenance costs and protect against downtime if aging equipment needs to be repaired.

Funding Source(s) for this Project:

<u>Funding Source(s)</u>	<u>Amount</u>
General Governmental Revenues	\$15,000
Total	\$15,000

FIRE DEPARTMENT

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**

Project Title: **OVERHAUL 1994 SEAGRAVE AERIAL LADDER TRUCK**

First Year in CIP: 2019
Project Category: Vehicle Refurbishment
Department: Fire



Total Project Cost: \$450,000

Project Description: Complete and thorough overhaul of the aerial ladder truck to include engine, pumps, transmission, electrical, hydraulic system and suspension components. Unit will be nearing 30 years old at time of refurbishment.



Project Justification and/or Need: This truck is a 1995 Seagrave, and fire engines are typically replaced between 15 and 25 years of use.

Project Impact/Benefit: A complete overhaul can potentially add 10-15 years of service life and would ensure a safer and more reliable fire engine to respond to critical incidents.

Operating Fund Impact: Reduce annual maintenance by up to \$5,000 per year.

Funding Source(s) for this Project:

<u>Funding Source(s)</u>	<u>Amount</u>
General Governmental Revenues	\$450,000
Total	\$450,000

FIRE DEPARTMENT

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 – FY2027**
Project Title: **REPLACE ENGINE #1**

First Year in CIP: 2020
Project Category: Vehicle
Department: Fire



Total Project Cost: \$600,000

Project Description: Replace Engine #1. Unit will be approximately 25 years old at time of refurbishment.

Project Justification and/or Need: Engine 1 is a 2000 Alexis Pumper, and fire engines are typically replaced between 15 and 25 years of use.



Project Impact/Benefit: A modern, safe, and efficient apparatus fleet helps minimize response times to critical incidents.

Operating Fund Impact: Reduce annual maintenance by \$2,500 per year.

Funding Source(s) for this Project:

<u>Funding Source(s)</u>	<u>Amount</u>
General Governmental Revenues	\$600,000
Total	\$600,000

FIRE DEPARTMENT

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Projects Identified – Municipal Parks

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Parks	
Year 1 - FY2023	
Lakefront Lighting	10,000
Year 1 - FY2023 Total	10,000
Year 2 - FY2024	
Playground Equipment	50,000
Riding Lawn Mower	8,000
Shoreline Stabilization	7,500
Year 2 - FY2024 Total	65,500
Year 3 - FY2025	
Kenwood Parking Lot	60,000
Parking Lot Upgrades - Lake and Chestnut St.	35,000
Year 3 - FY2025 Total	95,000
Year 4 - FY2026	
Riding Lawn Mower	8,000
Year 4 - FY2026 Total	8,000
Year 5 - FY2027	
Skate Park Equipment	40,000
Walkway Bridge Gazebo	25,000
Year 5 - FY2027 Total	65,000
Year 6 - FY2028	
Riding Lawn Mower	8,000
Year 6 - FY2028 Total	8,000
Parks Total	251,500

MUNICIPAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **LAKEFRONT LED LIGHTING**

First Year in CIP: 2020
Project Category: Improvements
Department: Municipal Parks

Total Project Cost: \$10,000

Project Description: Replace light bulbs/globes on lakefront.

Project Justification and/or Need: Current units are old and inefficient.

Project Impact/Benefit: Improve lighting along lakefront walkway to beautify the path and enhance the safety of those utilizing the path during darker conditions.

Operating Fund Impact: Newer units should be more energy efficient and provide a minor savings to electric costs.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$10,000
Total	\$10,000

MUNICIPAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **PLAYGROUND EQUIPMENT**

First Year in CIP: 2020
Project Category: Improvements
Department: Municipal Parks

Total Project Cost: \$50,000

Project Description: Replace damaged equipment and purchase new equipment as funding allows.

Project Justification and/or Need: Most playground equipment in the Parks system is aging and will soon need repair and/or replacement.



Project Impact/Benefit: Safe and modern equipment enhances the safety of users of the playground, most of which are children. Updated playgrounds also enhance user experience and the appearance of these public facilities.

Operating Fund Impact: Minimal impact on operating budget.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$50,000
Total	\$50,000

MUNICIPAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Municipal Parks

Total Project Cost: \$8,000

Project Description: Riding lawn mowers are used almost daily during the mowing season. Reliable equipment is essential to properly maintain the city parks.

Project Justification and/or Need: Current unit will be five years old and is requiring increasing maintenance and repairs. Reliability is also a factor as the equipment ages. Maintenance costs for this equipment make purchasing a new mower the best option. Mowers are regularly replaced on a six-year schedule.



Project Impact/Benefit: A new zero-turn mower will enable the Parks Crew to continue to beautifully maintain the City's signature system of parks.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$8,000
Total	\$8,000

MUNICIPAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **SHORELINE STABILIZATION**

First Year in CIP: 2015
Project Category: Improvements
Department: Municipal Parks

Total Project Cost: \$7,500

Project Description: Project will place new rip rap along City-owned shoreline around Lake Cadillac.

Project Justification and/or Need: Constant wave action along the shoreline is causing the shoreline to erode in many areas. Placement of additional rip rap will mitigate some of the eroding effects of this situation.

Project Impact/Benefit: Erosion will be significantly reduced thereby minimizing the rate of deterioration of the shoreline.



Operating Fund Impact: Placement of rip rap will cost approximately \$1,000 in the year of placement, and may reduce minor ongoing lakeshore maintenance costs by an immaterial amount.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$7,500
Total	<u>\$7,500</u>

MUNICIPAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **KENWOOD PARK LOT PAVING**

First Year in CIP: 2004
Project Category: Improvements
Department: Municipal Parks

Total Project Cost: \$60,000

Project Description: Improve the Kenwood Park area by paving the existing parking lot.

Project Justification and/or Need: The north side of Kenwood Park is more active with the addition of the volleyball courts. This results in increased traffic in the area, and dust becomes an issue on hot, dry summer days. Paving across from the Kenwood Beach area may also provide for overflow parking for boaters and swimmers.

Project Impact/Benefit: Project will reduce dust in an increasingly high traffic area. Paving a dirt parking lot will also eliminate substantial ongoing maintenance of a dirt lot.



Operating Fund Impact: Eliminate minor maintenance costs of \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$60,000
Total	\$60,000

MUNICIPAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**

Project Title: **PARKING LOT UPGRADES - CHESTNUT AND LAKE
STREETS**

First Year in CIP: 2003
Project Category: Improvements
Department: Municipal Parks

Total Project Cost: \$35,000

Project Description: Adequate public parking is needed to accommodate users of the lakefront park system. These parking lots are in need of repair to ensure ongoing usability.

Project Justification and/or Need: Parking lots will need an overlay of blacktop as well as new curb and gutter. These are two of the heaviest used parking lots providing access to lakefront recreation activities. The drainage of the lots will also be improved.



Project Impact/Benefit: Two high-use parking lots will be improved. This will enhance the visual impact of the prominent lots for the parks system and will reduce maintenance costs as well.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$35,000
Total	\$35,000

MUNICIPAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 – FY2026**
Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2021
Project Category: Equipment Replacement
Department: Municipal Parks

Total Project Cost: \$8,000

Project Description: Riding lawn mowers are used almost daily during the mowing season. Reliable equipment is essential to properly maintain the city parks.

Project Justification and/or Need: Current unit is five years old and is requiring increasing maintenance and repairs. Reliability is also a factor as the equipment ages. Maintenance costs for this equipment make purchasing a new mower the best option. Mowers are regularly replaced on a six-year schedule.



Project Impact/Benefit: A new zero-turn mower will enable the Parks Crew to continue to beautifully maintain the City's signature system of parks.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$8,000
Total	\$8,000

MUNICIPAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 – FY2027**
Project Title: **SKATE PARK EQUIPMENT**

First Year in CIP: 2005
Project Category: Equipment Additions
Department: Municipal Parks

Total Project Cost: \$40,000

Project Description: Purchase additional equipment to expand Chris Blackburn Skate Park.

Project Justification and/or Need: Phase 1 of the skate park was completed in 2004. Additional equipment was installed in 2007 and 2009. The remaining equipment will come as part of this project.

Project Impact/Benefit: Expand offering of recreational skateboarding equipment at the skate park, providing additional activities for area youth.

Operating Fund Impact: Increase maintenance costs by \$500 per year.



Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Future Donations	\$40,000
Total	<u>\$40,000</u>

MUNICIPAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 – FY2027**
Project Title: **WALKWAY BRIDGE GAZEBO**

First Year in CIP: 2007
Project Category: Improvements
Department: Municipal Parks

Total Project Cost: \$25,000

Project Description: Construct and install a gazebo cover for the walkway bridge on the McKellop Walkway.

Project Justification and/or Need: The new walkway bridge was designed for a gazebo addition at the mid-span. This will complete the project as originally planned.

Project Impact/Benefit: The addition of the gazebo will enhance the overall beauty of the walkway bridge and provide a protected area for the individuals to view Lake Cadillac and the headwaters of the Clam River.



Operating Fund Impact: Increase minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Future Donations	\$25,000
Total	\$25,000

MUNICIPAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 6 – FY2028**
Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2022
Project Category: Equipment Replacement
Department: Municipal Parks

Total Project Cost: \$8,000

Project Description: Riding lawn mowers are used almost daily during the mowing season. Reliable equipment is essential to properly maintain the city parks.

Project Justification and/or Need: Current unit will be five years old and is requiring increasing maintenance and repairs. Reliability is also a factor as the equipment ages. Maintenance costs for this equipment make purchasing a new mower the best option. Mowers are regularly replaced on a six-year schedule.



Project Impact/Benefit: A new zero-turn mower will enable the Parks Crew to continue to beautifully maintain the City's signature system of parks.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Governmental Revenues	\$8,000
Total	\$8,000

MUNICIPAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Projects Identified – Major Streets

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Major Street	
Year 1 - FY2023	
W. Division Street (Linden to Colfax)	550,000
Carmel Street (Cobbs to Stimson)	300,000
Year 1 - FY2023 Total	850,000
Year 2 - FY2024	
Linden Street (W. Division to Arthur)	300,000
Year 2 - FY2024 Total	300,000
Year 3 - FY2025	
W. Division Street (Colfax to Leeson)	600,000
Year 3 - FY2025 Total	600,000
Year 4 - FY2026	
North Boulevard (M-115 to Rose Street)	800,000
Year 4 - FY2026 Total	800,000
Major Street Total	2,550,000

MAJOR STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **W. DIVISION STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Major Street

Total Project Cost: \$550,000



Project Description: Remove and replace a section of W. Division Street from Colfax Street to Linden Street, including crushing and shaping existing HMA, HMA paving, Sanitary Sewer upgrades.

Project Justification and/or Need: The existing street has a rating of 2 out of 10. This project will replace 1,944 feet of street at an estimated cost of \$165 per foot.

Project Impact/Benefit: Street replacement improves the drivability of the neighborhood and reduces annual maintenance costs related to deteriorated road surfaces.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$362,500
MDOT Small Urban Grant	187,500
Total	\$550,000

MAJOR STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**

Project Title: **CARMEL STREET**

First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Major Street

Total Project Cost: \$300,000



Project Description: Remove and replace a section of Carmel Street from Cobb Street to Stimson Street, including crushing and shaping existing HMA, HMA paving, ADA Sidewalk ramp upgrades, Curb and Gutter and Watermain upgrades.

Project Justification and/or Need: The existing street has a rating of 3 out of 10 and needs repair. This project will replace 2,175 feet of street at approximately \$100 per foot.

Project Impact/Benefit: Street replacement improves the drivability of the neighborhood and reduces annual maintenance costs related to deteriorated road surfaces.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$300,000
Total	\$300,000

MAJOR STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **LINDEN STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Major Street

Total Project Cost: \$250,000



Project Description: Remove and replace a section of Linden Street from Division Street to Arthur Street, including crushing and shaping existing HMA, HMA paving, ADA Sidewalk ramp upgrades, Curb and Gutter and Sanitary and Storm Sewer upgrades.

Project Justification and/or Need: This street has a current rating of 2 out of 10 and needs repair. This project will replace 861 feet of street at an estimated cost of \$135 per foot.

Project Impact/Benefit: Street replacement improves the drivability of the neighborhood and reduces annual maintenance costs related to deteriorated road surfaces.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$250,000
Total	\$250,000

MAJOR STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **W. DIVISION STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Major Street

Total Project Cost: \$500,000



Project Description: Remove and replace a section of W. Division Street from Colfax Street to Leeson Street, including crushing and shaping existing HMA, HMA paving, Sanitary Sewer upgrades.

Project Justification and/or Need: The existing street has a rating of 2 out of 10. This project will replace 1,944 feet of street at an estimated cost of \$165 per foot.

Project Impact/Benefit: Street replacement improves the drivability of the neighborhood and reduces annual maintenance costs related to deteriorated road surfaces.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$500,000
Total	\$500,000

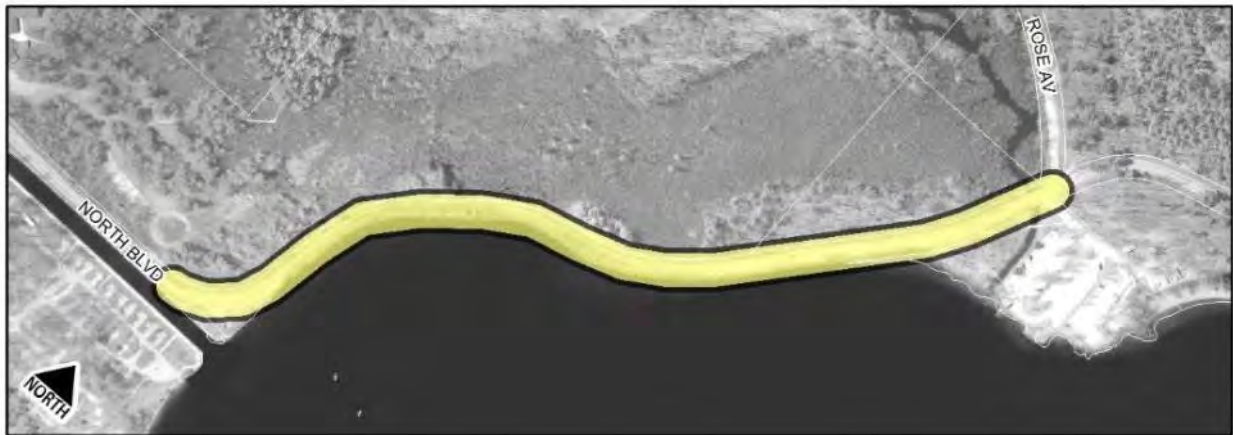
MAJOR STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 – FY2026**
Project Title: **NORTH BOULEVARD**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Major Street

Total Project Cost: \$800,000



Project Description: Remove and replace a section of North Boulevard from M-115 at the stop sign to Rose Street at Kenwood Park, including HMA paving with minor Subgrade Undercutting. Project must include shoreline stabilization to preserve integrity of the road.

Project Justification and/or Need: This street has a rating of 2 out of 10. This street will also need subgrade undercutting. This project will replace 3,800 feet of street at an estimated cost of \$150 per foot.

Project Impact/Benefit: Street replacement improves the drivability of the neighborhood and reduces annual maintenance costs related to deteriorated road surfaces.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$425,000
MDOT Small Urban Grant	375,000
Total	<u>\$800,000</u>

MAJOR STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Projects Identified – Local Streets

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Local Street	
Year 1 - FY2023	
Lester Street (Hobart to Howard)	675,000
Ayers Street (Wheeler to Plett)	410,000
Simons Street (Pine to Bremer)	250,000
Year 1 - FY2023 Total	1,335,000
Year 2 - FY2024	
Aldrich Street (Bond to Linden)	335,000
Crippen Street (Mitchell to Hemlock)	450,000
Hemlock Street (Pine to Washington)	100,000
Lincoln Street (Hemlock to May)	75,000
Simons Street (Mason to Cass)	250,000
Year 2 - FY2024 Total	1,210,000
Year 3 - FY2025	
Burlingame Street (13th to Ford)	325,000
Crestview Street	140,000
Evart Street	220,000
Blodgett Street (Lincoln to Washington)	90,000
Delmar Street (Chapin to E. Division)	125,000
Elmer Street (Waldo to Linden)	400,000
Wheeler Street (Ayer to Smith)	140,000
Year 3 - FY2025 Total	1,440,000
Year 4 - FY2026	
Warbler Lane (Paluster to Cardinal)	67,000
Cardinal Drive (Warbler to Crosby)	61,000
Year 4 - FY2026 Total	128,000
Local Street Total	4,113,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **LESTER STREET**

First Year in CIP: 2019
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$675,000



Project Description: Remove and replace a section of Lester Street from Cobbs Street to Howard Street, including crushing and shaping existing HMA, HMA paving, ADA Sidewalk ramp upgrades, Curb and Gutter and Sanitary and Storm Sewer upgrades.

Project Justification and/or Need: This street has a current rating of 2/3 out of 10 and is in need of repair. This project will replace 1,906 feet of street. It is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface. It will improve delivery of utility services.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$675,000
Total	\$675,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**

Project Title: **AYER STREET**

First Year in CIP: 2016
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$410,000



Project Description: Remove and replace a section of Ayer Street from Wheeler Street to Plett Road, including crushing and shaping existing HMA, HMA paving and Sanitary, Storm Sewer and Watermain upgrades.

Project Justification and/or Need: Street has a current rating of 2 out of 10 and needs repair. This project will replace 1,405 feet of street at an estimated cost of \$92 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$410,000
Total	\$410,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2022**
Project Title: **SIMONS STREET**

First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$250,000



Project Description: Remove and replace a section of Simons Street from E. Pine Street to E. Bremer Street, including crushing and shaping existing HMA, HMA paving, ADA Sidewalk ramp upgrades.

Project Justification and/or Need: This street has a current rating of 2 out of 10 and needs repair. This project will replace 766 feet of street at an estimated cost of \$125 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$250,000
Total	\$250,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **ALDRICH STREET**

First Year in CIP: 2006
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$335,000



Project Description: Remove and replace a section of Aldrich Street from Bond Street to Linden Street, including HMA paving, ADA Sidewalk ramp upgrades, Curb and Gutter and Sanitary Sewer upgrades.

Project Justification and/or Need: This street has a current rating of 2 out of 10 and needs repair. This project will repair and resurface 1,320 feet of street at an estimated cost of \$150 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$675,000
Total	\$675,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **CRIPPEN STREET**

First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$450,000



Project Description: Remove and replace a section of Crippen Street from Mitchell Street to Hemlock Street, including HMA paving, ADA Sidewalk ramp upgrades, Curb and Gutter and Sanitary, Storm Sewer and Watermain upgrades.

Project Justification and/or Need: This street has a current rating of 3 out of 10 and is need of repair. This project will replace approximately 1,100 feet of street at an estimated cost of \$200 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$450,000
Total	\$450,000

LOCAL STREETS

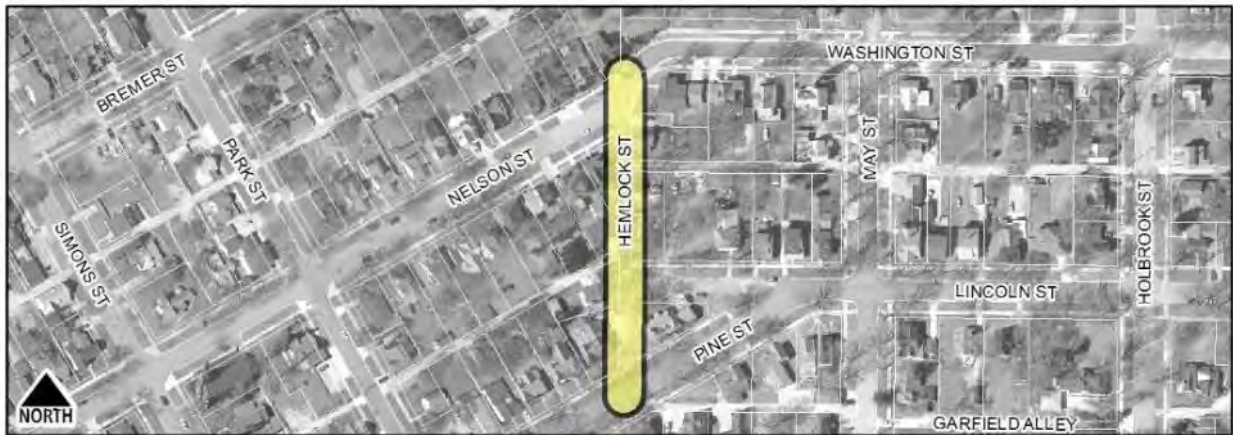
CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**

Project Title: **HEMLOCK STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$100,000



Project Description: Remove and replace a section of Hemlock Street from Pine Street to Washington Street, including crushing and shaping existing HMA and HMA paving.

Project Justification and/or Need: This street has a current rating of 1 out of 10 and needs repair. This project will replace approximately 449 feet of street at an estimated cost of \$70 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$100,000
Total	\$100,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **LINCOLN STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$75,000



Project Description: Remove and replace a section of Lincoln Street from Hemlock Street to May Street, including crushing and shaping existing HMA and HMA paving.

Project Justification and/or Need: This street has a current rating of 1 out of 10 and needs repair. This project will replace approximately 225 feet of street at an estimated cost of \$100 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$75,000
Total	\$75,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **SIMONS STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$250,000



Project Description: Remove and replace a section of Simons Street from Cass Street to Mason Street, including crushing and shaping existing HMA, HMA paving, ADA Sidewalk ramp upgrades, Curb and Gutter and Sanitary, Storm Sewer and Watermain upgrades.

Project Justification and/or Need: This street has a current rating of 2 out of 10 and is in need of repair. This project will replace 798 feet of street at an estimated cost of \$130 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$250,000
Total	\$250,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **BURLINGAME STREET**

First Year in CIP: 2016
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$325,000



Project Description: Remove and replace a section of Burlingame Street from 13th Street to Ford Street, including HMA paving, ADA Sidewalk ramp upgrades, Sanitary Sewer and Watermain upgrades.

Project Justification and/or Need: Street has a current rating of 2 out of 10 and needs repair. This project will replace 1,341 feet of street at an estimated cost of \$162 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$325,000
Total	\$325,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **CRESTVIEW STREET**

First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$140,000



Project Description: Remove and replace a section of Crestview Place from Evart Street to Stimson Street, including crushing and shaping existing HMA, HMA paving, ADA Sidewalk ramp upgrades, Curb and Gutter and Sanitary Sewer and Watermain upgrades.

Project Justification and/or Need: This street has a rating of 2 out of 10 and needs repair. This project will replace 850 feet of street at an estimated cost of \$100 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surfaces.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$140,000
Total	\$140,000

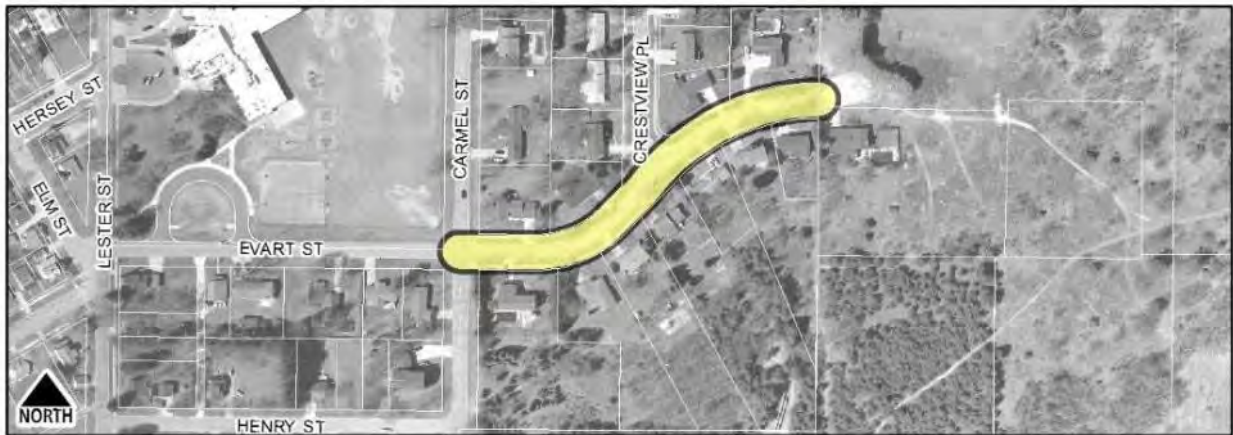
LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **EVART STREET**

First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$220,000



Project Description: Remove and replace a section of Ewart Street from Carmel Street to the east end of the street, including crushing and shaping existing HMA, HMA paving, ADA Sidewalk ramp upgrades, Curb and Gutter and Watermain upgrades.

Project Justification and/or Need: This street has a rating of 2 out of 10 and needs repair. This project will replace 829 feet of street at an estimated cost of \$100 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surfaces.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$220,000
Total	\$220,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **BLODGETT STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$90,000



Project Description: Remove and replace a section of Blodgett Street from Lincoln Street to Washington Street, including crushing and shaping existing HMA, HMA paving and Sanitary and Storm Sewer upgrades.

Project Justification and/or Need: This street has a current rating of 1 out of 10 and needs repair. This project will replace 365 feet of street at an estimated cost of \$100 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$90,000
Total	<u>\$90,000</u>

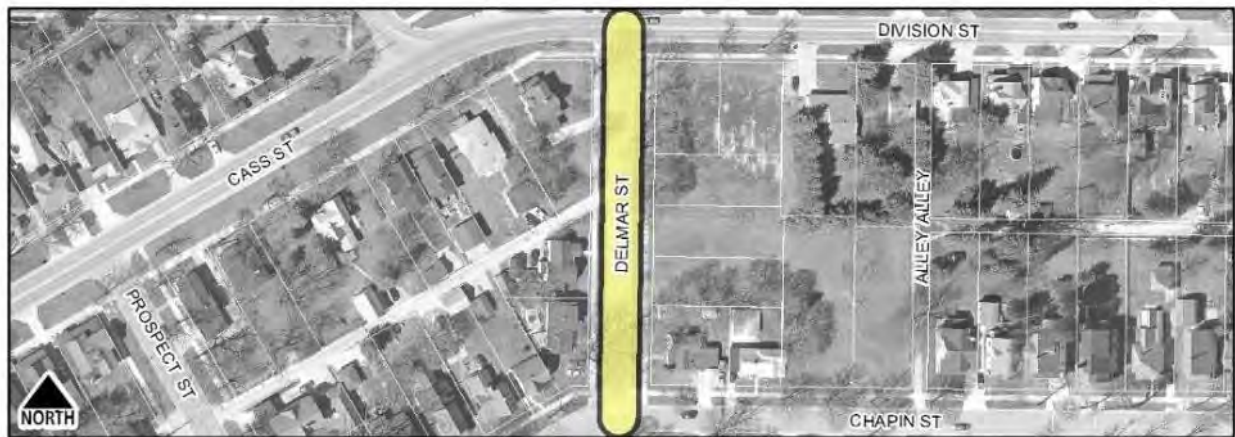
LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **DELMAR STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$125,000



Project Description: Remove and replace a section of Delmar Street from E. Chapin Street to E. Division Street, including crushing and shaping existing HMA, HMA paving.

Project Justification and/or Need: This street has a current rating of 2 out of 10 and needs repair. This project will replace 396 feet of street at an estimated cost of \$100 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$125,000
Total	\$125,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**

Project Title: **ELMER STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$400,000



Project Description: Remove and replace a section of Elmer Street from Waldo Street to Linden Street, including crushing and shaping existing HMA, HMA paving, ADA Sidewalk ramp upgrades, Curb and Gutter and Sanitary and Storm Sewer upgrades.

Project Justification and/or Need: This street has a current rating of 3 out of 10 and needs repair. This project will replace approximately 1,326 feet of street at an estimated cost of \$240 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$400,000
Total	\$400,000

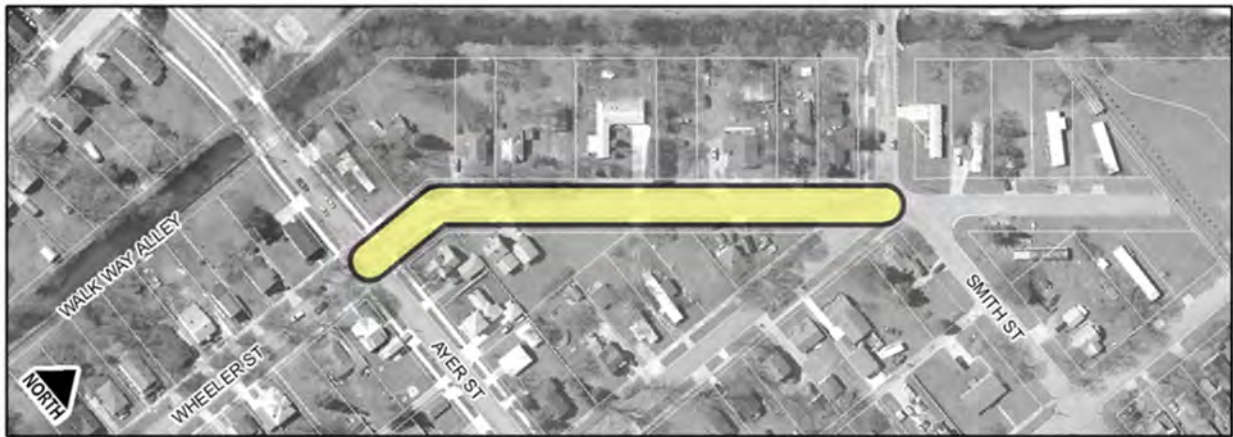
LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **WHEELER STREET**

First Year in CIP: 2019
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$140,000



Project Description: Remove and replace a section of Wheeler Street from Ayer Street to Smith Street, including crushing and shaping existing HMA and HMA paving.

Project Justification and/or Need: This street has a current rating of 2 out of 10 and is in need of repair. This project will replace 660 feet of street.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$140,000
Total	\$140,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 – FY2026**
Project Title: **WARBLER LANE**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$67,000



Project Description: Remove and replace a section of Warbler Lane from Paluster Street to Cardinal Drive, including crushing and shaping existing HMA, HMA paving, ADA Sidewalk ramp upgrades and Curb and Gutter.

Project Justification and/or Need: This street has a current rating of 2 out of 10 and needs repair. This project will replace approximately 570 feet of street at an estimated cost of \$100 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$67,000
Total	\$67,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 – FY2026**
Project Title: **CARDINAL DRIVE**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$61,000



Project Description: Remove and replace a section of Cardinal Drive from Warbler Lane to Crosby Road, including crushing and shaping existing HMA, HMA paving, ADA Sidewalk ramp upgrades and Curb and Gutter.

Project Justification and/or Need: This street has a current rating of 2 out of 10 and needs repair. This project will replace approximately 454 feet of street at an estimated cost of \$135 per foot.

Project Impact/Benefit: Project will improve drivability and appearance, while also reducing annual maintenance costs of a deteriorated road surface.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$61,000
Total	\$61,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Projects Identified – Cemetery Operating

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Maple Hill Cemetery	
Year 1 - FY2023	
Riding Lawn Mower	8,000
Sprinkler System Upgrade	15,000
Year 1 - FY2023 Total	23,000
Year 3 - FY2025	
Maintenance Garage	100,000
Year 3 - FY2025 Total	100,000
Year 4 - FY2026	
Entrance Pillars	50,000
Riding Lawn Mower	8,000
Year 4 - FY2026 Total	58,000
Maple Hill Cemetery Total	181,000

CEMETERY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Maple Hill Cemetery

Total Project Cost: \$8,000

Project Description: Riding lawn mowers are used almost daily during the mowing season. Reliable equipment is essential to properly maintain the city parks.

Project Justification and/or Need: Current unit will be five years old and is requiring increasing maintenance and repairs. Reliability is also a factor as the equipment ages. Maintenance costs for this equipment make purchasing a new mower the best option. Mowers are regularly replaced on a six-year schedule.



Project Impact/Benefit: A new zero-turn mower will enable the cemetery maintenance crew to continue to beautifully maintain Maple Hill Cemetery.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Cemetery Operating Revenues	\$8,000
Total	<u>\$8,000</u>

CEMETERY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **SPRINKLER SYSTEM ENHANCEMENTS**

First Year in CIP: 2015
Project Category: Equipment Replacement
Department: Cemetery

Total Project Cost: \$15,000

Project Description: Water system throughout cemetery needs repairs and upgrades. Consider installing irrigation well and pump to supply water for cemetery.

Project Justification and/or Need: Improvements will protect the ability to provide water to maintain cemetery grounds in the summer. Installing a well at the cemetery could reduce watering costs.

Project Impact/Benefit: Reduce watering costs and enhance appearance of cemetery.

Operating Fund Impact: Reduce minor maintenance costs by \$2,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Cemetery Perpetual Care Fund Contribution	\$15,000
Total	<u>\$15,000</u>



CEMETERY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - 2025**
Project Title: **MAINTENANCE GARAGE**

First Year in CIP: 2014
Project Category: New Construction
Department: Cemetery

Total Project Cost: \$100,000

Project Description: Replace existing garage/office at Maple Hill Cemetery with a larger garage to accommodate all cemetery maintenance vehicles and equipment.

Project Justification and/or Need: Current structure is very old and needs to be updated. Building is not well insulated and is difficult and costly to heat. Electrical system is not up to current building codes.

Project Impact/Benefit: Project will enable all cemetery vehicles and equipment to be stored inside, thereby protecting equipment from the elements and extending useful lives. Utilities costs will be lessened as well.

Operating Fund Impact: Reduce minor maintenance and utilities costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Cemetery Operating Revenues	\$100,000
Total	\$100,000

CEMETERY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 – FY2026**

Project Title: **ENTRANCE PILLAR RECONSTRUCTION**

First Year in CIP: 2004
Project Category: Reconstruction
Department: Cemetery

Total Project Cost: \$50,000

Project Description: Pillars at the south entrance to Maple Hill Cemetery will be removed and replaced with new ones.

Project Justification and/or Need: Currently only one pillar remains at the south entrance. It is proposed to be relocated to the south property corner and then install two new marble pillars at the south gate.

Project Impact/Benefit: Project will enhance the visual appearance of the cemetery. Donors will have the opportunity to give to a project.



Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Future Donations	\$50,000
Total	\$50,000

CEMETERY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 – FY2026**
Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2019
Project Category: Equipment Replacement
Department: Cemetery

Total Project Cost: \$8,000

Project Description: Riding lawn mowers are used almost daily during the mowing season. Reliable equipment is essential to properly maintain the city parks.

Project Justification and/or Need: Current unit will be five years old and is requiring increasing maintenance and repairs. Reliability is also a factor as the equipment ages. Maintenance costs for this equipment make purchasing a new mower the best option. Mowers are regularly replaced on a six-year schedule.

Project Impact/Benefit: A new zero-turn mower will enable the cemetery maintenance crew to continue to beautifully maintain Maple Hill Cemetery.



Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Cemetery Operating Revenues	\$7,500
Total	\$7,500

CEMETERY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Projects Identified – Water and Wastewater

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Water and Wastewater	
Year 1 - FY2023	
Lester Street (Cobbs to Howard)	115,000
Ayer Street	10,000
Simons Street (Pine to Bremer)	40,000
W. Division Street	54,000
Analytical Lab Balance	8,000
1/2 Ton Service Truck	35,000
Influent Screw Pump	140,000
Lab Counter Replacement	15,000
Portable Generator	60,000
LIMS/WIMS Software	90,000
Exterior Door/Window Replacement-WWTP	115,000
Kubota Tractor	25,000
Submersible Hydraulic Pump	90,000
New Control Panel	100,000
Push Sewer Camera	13,500
2 Sets of Certified Weights	8,000
Year 1 - FY2023 Total	918,500
Year 2 - FY2024	
Aldrich Street (Bond to Linden)	111,000
Crippen Street (Mitchell to Hemlock)	130,000
Linden Street	44,000
N. Simons Street	37,500
Major Building Exterior Repairs	175,000
Visitor/Client Entrance - WWTP	95,000
1/2 Ton Service Truck	40,000
Gas Storage and Energy Production	600,000
Piston Pump Replacement	25,000
Backhoe	123,000
Year 2 - FY2024 Total	1,380,500

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Year 3 - FY2025	
Burlingame Street (13th to Ford)	148,000
Crestview Street	64,000
Evart Street	80,000
Elmer Street	76,000
Two (2) Service Trucks	80,000
Type 1 Water System	15,000
Anaerobic Digester Cleaning	75,000
Televised Inspection Trailer	225,000
Two (2) Riding Lawn Mowers	30,000
Construction/Job Cargo Trailer	7,500
Sewer Lining	500,000
WWTP Handrail Replacement	100,000
Year 3 - FY2025 Total	1,400,500
Year 4 - FY2026	
Analytical Lab Balance	10,000
Wastewater/Lab Fume Hoods	35,000
Transformer Replacement	20,000
Aqua Disk Upgrade	55,000
Channel Monster Replacement	45,000
Main Building Roof Replacement	50,000
Ultraviolet System Upgrade	110,000
Compact Tractor	30,000
Two (2) 1/2-Ton Service Trucks	80,000
Sewer Lining	500,000
Lake, Leeson, Leisure Street Pumps	125,000
Lift Station Exteriors and Doors	85,000
Year 4 - FY2026 Total	1,145,000
Year 5 - FY2027	
Two (2) Service Trucks	80,000
Sewer Lining	500,000
Handheld Radio Meter Reader	10,000
Muffle Furnace/Drying Oven	8,000
Lift Station Pumps	60,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Muffin Monster Cutter Stack	16,000
Diffuser Head Replacement	24,000
Year 5 - FY2027 Total	698,000
Year 6 - FY2028	
1/2 Ton Service Truck	50,000
Automated Screen and Screw Conveyor	400,000
Grit Collection Equipment	350,000
Year 6 - FY2028 Total	800,000
Water and Wastewater Total	6,342,500

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **LESTER STREET**

First Year in CIP: 2019
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$115,000



Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. Project includes the section of Lester Street from Cobbs Street to Hobart Street.

Project Justification and/or Need: This portion of the street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce maintenance and repair costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$115,000
Total	\$115,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **AYER STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$10,000



Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of Ayer Street between Wheeler Street and Plett Road.

Project Justification and/or Need: This portion of the street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$10,000
Total	\$10,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **SIMONS STREET**

First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$40,000



Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of Simons Street between E. Pine Street and E. Bremer Street.

Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$40,000
Total	\$40,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **W. DIVISION STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$54,000



Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of W. Division Street located between Leeson Avenue and Boon Street.

Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$54,000
Total	\$54,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **ANALYTICAL LAB BALANCE**

First Year in CIP: 2022
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$8,000

Project Description: Replace analytical balance in wastewater laboratory.

Project Justification and/or Need: Reliable measurements are critical for accurate results for solids, suspended solids, and volatile suspended solids analysis. There are required parameter for these results for the City's NPDES permit and for process control. Current balance will be over fifteen years old when replaced.

Project Impact/Benefit: Ensure accurate measurements for testing.

Operating Fund Impact: Reduce maintenance costs \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$8,000
Total	\$8,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **1/2-TON, 4X4 SERVICE TRUCK**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$35,000

Project Description: Scheduled replacement of existing 4-wheel drive service truck.

Project Justification and/or Need: Vehicle will be 10-15 years old and in need of replacement.

Project Impact/Benefit: Maintenance costs will be reduced as aged vehicles are upgraded.

Operating Fund Impact: Reduce maintenance costs \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$35,000
Total	\$35,000



WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **INFLUENT SCREW PUMP**

First Year in CIP: 2017
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$140,000

Project Description: Replace worn screw pump, reducer and motor.

Project Justification and/or Need: Old screw pump will no longer keep up with influent flow.

Project Impact/Benefit: Ensure durability and reliability of system that pumps waste water into facility to be treated; reduce risk of backups.

Operating Fund Impact: Reduce maintenance costs \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$140,000
Total	\$140,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **LAB COUNTER REPLACEMENT**

First Year in CIP: 2017
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$15,000

Project Description: Replacement of counter tops in laboratory.

Project Justification and/or Need: Facility still has original countertops; portions are aged and damaged and cannot be resurfaced.

Project Impact/Benefit: Solid surface countertops would not harbor bacteria that they come into contact with on a daily basis; enhance general aesthetics of facilities.

Operating Fund Impact: \$0.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$15,000
Total	\$15,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2022**
Project Title: **PORTABLE GENERATOR**

First Year in CIP: 2017
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$60,000

Project Description: Replace old generator with a new, portable 100kw generator for emergency backup power.

Project Justification and/or Need: In the event of a power outage, need to power lift stations that don't currently have backup power.

Project Impact/Benefit: Safety, health and welfare of community and system users in the event of a power outage.

Operating Fund Impact: Prevention of backups in the event of a power outage would save thousands of dollars in private damages; minimal impact on operating budget.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$60,000
Total	\$60,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **LIMS/WIMS SOFTWARE**

First Year in CIP: 2022
Project Category: Equipment Purchase
Department: Water and Wastewater

Total Project Cost: \$90,000

Project Description: Purchase Laboratory Information Management System (LIMS) and/or Water Information Management System (WIMS) software to capture/manage/report analytical and operating data.

Project Justification and/or Need: Significant reduction of manual entry of collected data. Eliminate error-prone duplication of efforts (transcribing data from bench sheets and field sheets). Automation increases traceability and consolidates information into one integrated system.

Project Impact/Benefit: Reduce transcription errors and ensure more defensible data and increased accuracy. This leads to increased confidence in environmental stewardship. Alternately consider "SaaS" (cloud, subscription) in place of full on-site purchase = lower upfront costs.

Operating Fund Impact: Increase throughput and reduced duplication of efforts enhances productivity. ROI typically within 1-3 years.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$90,000
Total	<u>\$90,000</u>

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**

Project Title: **EXTERIOR DOOR/WINDOW REPLACEMENT (WWTP)**

First Year in CIP: 2018
Project Category: Building
Department: Water and Wastewater

Total Project Cost: \$115,000

Project Description: Energy efficient replacement of doors and windows.

Project Justification and/or Need: The existing doors and windows leak excessively and do not operate properly.

Project Impact/Benefit: Energy savings, enhanced appearance of public facility.

Operating Fund Impact: Energy savings could save approximately \$500 per year in utility costs.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$115,000
Total	<u>\$115,000</u>

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **KUBOTA TRACTOR**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$25,000

Project Description: New Kubota tractor to replace aging one currently in service.

Project Justification and/or Need: Used to move snow, pull finish mower, scrape drying beds and move heavy objects.

Project Impact/Benefit: Modern and safe equipment makes jobs more efficient and safer for operators.

Operating Fund Impact: Reduced maintenance costs of \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$25,000
Total	\$25,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **SUBMERSIBLE HYDRAULIC PUMP**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$90,000

Project Description: Replace aging submersible hydraulic pump with new submersible hydraulic pump and accessories.

Project Justification and/or Need: Hydraulic pump is used for routine maintenance, tank dewatering, street pumping and in emergency situations where water must be moved.

Project Impact/Benefit: Enhances safety and welfare of the community.

Operating Fund Impact: Minimal decrease in annual repair and maintenance costs.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$90,000
Total	<u>\$90,000</u>



WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **NEW CONTROL PANEL**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$100,000

Project Description: Replace main control panel at the Waste Water Treatment Plant as the existing panel is dated and a new panel will provide more efficient plant process control.

Project Justification and/or Need: Aging control panel needs complete replacement.

Project Impact/Benefit: Continued optimum process of the plant.

Operating Fund Impact: Reduced maintenance, increased efficiency in operations.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$100,000
Total	\$100,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **PUSH SEWER CAMERA**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$13,500

Project Description: Purchase sewer push camera, 200' cable assembly with Sonde location device.

Project Justification and/or Need: Current camera is inoperable at times and needs maintenance. Camera has been in use for 15 years and has reached the end of its useful life.

Project Impact/Benefit: Better picture, lights and DVD recording capability. Able to trace Sonde to pinpoint problem area. Reduce cost to plumbers for small televising work. Accuracy to dig directly to problem.

Operating Fund Impact: Reduced maintenance costs; reduced repair costs due to more efficient and accurate equipment.



Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$13,500
Total	<u>\$13,500</u>

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **CERTIFIED WEIGHTS – 2 SETS**

First Year in CIP: 2022
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$8,000

Project Description: Replace certified weights used in laboratory balances. Purchase backup set of weights to be used when one set is sent in for calibration, repair, damage, etc.

Project Justification and/or Need: Current weights are no longer within a very accurate tolerance rating. Weights are used for daily analysis. Higher tolerance ratings ensure higher confidence in measurements and results.

Project Impact/Benefit: Ensure accurate measurement and results.

Operating Fund Impact: Could impact results related to NPDES permits if state questions measurements from less accurate weights.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$8,000
Total	\$8,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **ALDRICH STREET**

First Year in CIP: 2006
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$97,000



Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of Aldrich Street between Bond Street and Linden Street.

Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$111,000
Total	<u>\$111,000</u>

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **CRIPPEN STREET**

First Year in CIP: 2003
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$130,000



Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of Crippen Street between Mitchell Street and Hemlock Street.

Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$130,000
Total	\$130,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 - FY2024**
Project Title: **LINDEN STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$44,000



Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of Linden Street located between W. Division Street and Arthur Street

Project Justification and/or Need: This portion of the street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$44,000
Total	\$44,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 - FY2024**
Project Title: **N. SIMONS STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$37,500



Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of Simons Street located between Mason Street and E. Cass Street.

Project Justification and/or Need: This portion of the street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$37,500
Total	\$37,500

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 - FY2024**
Project Title: **MAJOR BUILDING EXTERIOR REPAIRS**

First Year in CIP: 2016
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$175,000

Project Description: Project will repair and refinish building exterior(s) to prevent further brick decay and damage.

Project Justification and/or Need: Exterior brick needs to be surfaced to save it from further degradation.

Project Impact/Benefit: Enhance employee safety, building integrity, and building appearance.

Operating Fund Impact: Reduce maintenance costs to repair damaged sections.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$175,000
Total	\$175,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 - FY2024**

Project Title: **VISITOR/CLIENT ENTRANCE - WWTP**

First Year in CIP: 2018
Project Category: Building
Department: Water and Wastewater

Total Project Cost: \$95,000

Project Description: Remodel the visitor/client entrance to WWTP; new gate, driveway, ramp/stairs, secure door, customer service window.

Project Justification and/or Need: Need to restrict general public access to operational areas of the WWTP and laboratory; existing potential hazards. Also, project will create a more pleasant customer and public interface.

Project Impact/Benefit: Reduce customer/public liability due to (current) unrestricted access to laboratory and plant hazards.

Operating Fund Impact: Should not impact operating budget.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$95,000
Total	\$95,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 - FY2024**
Project Title: **1/2-TON, 4X4 SERVICE TRUCK**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$40,000

Project Description: Scheduled replacement of existing 4-wheel drive service truck.

Project Justification and/or Need: Vehicle will be 10-15 years old and in need of replacement.

Project Impact/Benefit: Maintenance costs will be reduced as aged vehicles are upgraded.

Operating Fund Impact: Reduce maintenance costs \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$40,000
Total	\$40,000



WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 - FY2024**

Project Title: **GAS STORAGE AND ENERGY PRODUCTION**

First Year in CIP: 2017
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$600,000

Project Description: Gas holding system and gas generators installed to burn bio gas that is currently being flared off. Generators also produce hot water to heat sludge currently heated by a boiler.

Project Justification and/or Need: Electricity savings and utilization of wasted gas.

Project Impact/Benefit: Eliminate to flare off guess in the environment; reduce utility costs.

Operating Fund Impact: To be determined.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$600,000
Total	\$600,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 - FY2024**
Project Title: **PISTON PUMP REPLACEMENT**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$25,000

Project Description: Repair or replace existing pump, as it is due for an upgrade.

Project Justification and/or Need: This pump is used in the biosolids handling building and is nearing the end of its useful life.



Project Impact/Benefit: Needed for the solid handling process.

Operating Fund Impact: Reduced maintenance, increased efficiency.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$25,000
Total	\$25,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 - FY2024**
Project Title: **BACKHOE**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$123,000

Project Description: Replace 2002 JCB with a new backhoe

Project Justification and/or Need: Current JCB tractor/backhoe has been in service for 15years. Utilities currently operates two backhoes, a 2002 and 2014 model. The 2002 will be replaced and either traded or sold at auction.

Project Impact/Benefit: Maintenance costs of aged equipment will be eliminated with departmental efficiency being enhanced.



Operating Fund Impact: Reduce maintenance costs.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$123,000
Total	\$123,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**
Project Title: **BURLINGAME STREET**

First Year in CIP: 2016
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$148,000



Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of Burlingame Street located between 13th Street and Ford Street.

Project Justification and/or Need: This portion of the street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$148,000
Total	\$148,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**
Project Title: **CRESTVIEW STREET**

First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$64,000



Project Description: Replace 4" water main with 6" water main while street is reconstructed.

Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$64,000
Total	\$64,000

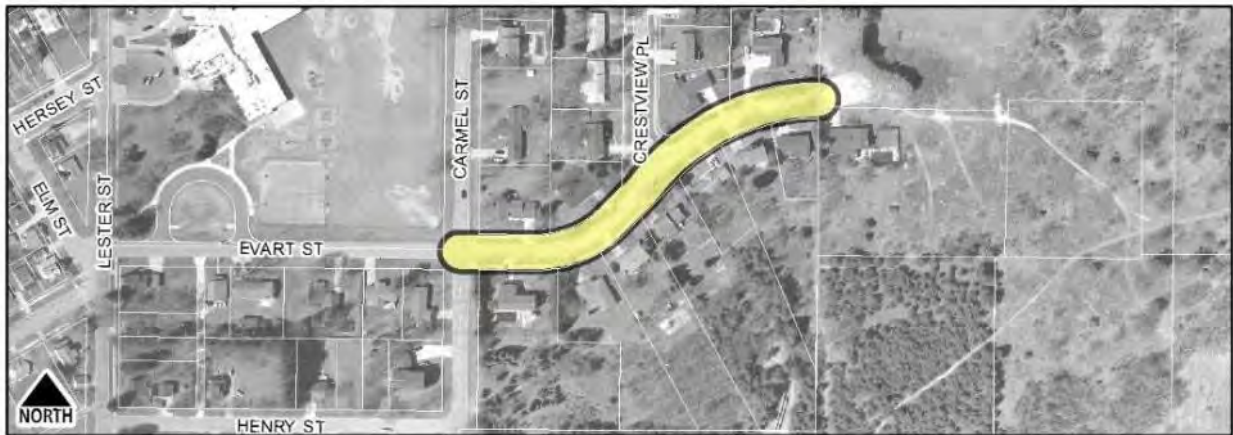
WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**
Project Title: **EVART STREET**

First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$80,000



Project Description: Replace 4" water main with 6" water main while street is reconstructed.

Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$80,000
Total	\$80,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**
Project Title: **ELMER STREET**

First Year in CIP: 2018
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$76,000



Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section Elmer Street located between Waldo Street and Linden Street.

Project Justification and/or Need: This portion of the street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

Project Impact/Benefit: Enhance water quality and improve the delivery of utility services.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$76,000
Total	\$76,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**
Project Title: **TWO (2) SERVICE TRUCKS**

First Year in CIP: 2019
Project Category: Vehicles
Department: Water and Wastewater

Total Project Cost: \$80,000

Project Description: Scheduled replacement of two (2) existing 4-wheel drive service trucks.

Project Justification and/or Need: Vehicles will be 10-15 years old and in need of replacement.

Project Impact/Benefit: Maintenance costs will be reduced as aged vehicles are upgraded.

Operating Fund Impact: Reduce maintenance costs \$1,000 per year.



Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$80,000
Total	\$80,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**
Project Title: **TYPE I WATER SYSTEM**

First Year in CIP: 2019
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$15,000

Project Description: Replace or rebuild Type I water system for both General and WWTP laboratories.

Project Justification and/or Need: Current Reverse Osmosis(RO)/De-Ionized Type I water systems were purchased in 2014. Their estimated lifespan is 10-12 years (3 RO membrane replacement cycles). Anticipating a need to rebuild and/or replace a significant portion of both systems at that point.

Project Impact/Benefit: Type I water is a requirement of laboratory operation.

Operating Fund Impact:

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$15,000
Total	<u>\$15,000</u>



WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**
Project Title: **ANAEROBIC DIGESTER CLEANING**

First Year in CIP: 2019
Project Category: Utilities Infrastructure
Department: Water and Wastewater

Total Project Cost: \$75,000

Project Description: Clean and inspect anaerobic digesters.

Project Justification and/or Need: Removal of excess grit and other undesired material that has accumulated over time.

Project Impact/Benefit: Removal of undesired material uses up space that could be used for better digestion of sludge, resulting in a better biosolids.



Operating Fund Impact: Cleaning could reduce the amount of grit making it into the biosolids holding tanks. Biosolids is costly to haul and reduction of grit could save on overall hauling cost.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$75,000
Total	\$75,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**
Project Title: **TELEVISED INSPECTION TRAILER**

First Year in CIP: 2019
Project Category: Heavy Equipment
Department: Water and Wastewater

Total Project Cost: \$225,000

Project Description: Sewer camera and trailer to perform televised inspections of the City's sewer system.

Project Justification and/or Need: To provide a more efficient way of monitoring the City's sanitary and storm sewer systems.

Project Impact/Benefit: Prevention of costly sewer repairs, and assistance with the accurate identification of potential problem areas within these systems.

Operating Fund Impact: Reduced maintenance, and cost of contracting an outside company to televise for the City.



Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$225,000
Total	\$225,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**
Project Title: **TWO (2) RIDING LAWN MOWERS**

First Year in CIP: 2019
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$30,000

Project Description: Replace existing aging zero turn mowers.

Project Justification and/or Need: Several acres of lawn at the WWTP and lift stations to mow.

Project Impact/Benefit: Enable staff to continue to maintain grounds in an efficient manner without down time caused by equipment repair issues.

Operating Fund Impact: Reduced maintenance and time spent mowing.



Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$30,000
Total	\$30,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**

Project Title: **CONSTRUCTION/JOB CARGO TRAILER**

First Year in CIP: 2020
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$7,500

Project Description: Purchase new construction/job cargo trailer.

Project Justification and/or Need: Construction/job cargo trailer set up with tools and parts needed for construction/road closures and emergency repairs would increase efficiency and reduce response time to issues within the system.

Project Impact/Benefit: Parts and tools necessary for maintenance in one place, everything accessible at a safe and obtainable level.

Operating Fund Impact: Reduce travel time for parts, tools and road closure signs.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$7,500
Total	\$7,500

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**
Project Title: **SEWER LINING**

First Year in CIP: 2019
Project Category: Utilities Infrastructure
Department: Water and Wastewater

Total Project Cost: \$500,000

Project Description: Rehabilitate 5,000 linear feet of sanitary sewer main with a fiberglass liner.

Project Justification and/or Need: Sewer mains have water infiltration, holes and are aging. Lining will extend the life of the pipes without the need to tear up roads to replace pipes.

Project Impact/Benefit: Lining sewer mains in these specific areas are more cost effective than replacing with new pipe.

Operating Fund Impact: Save electricity and maintenance cost for pumping and treating water infiltration.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$500,000
Total	\$500,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 - FY2025**
Project Title: **WWTP HANDRAIL REPLACEMENT**

First Year in CIP: 2019
Project Category: Building
Department: Water and Wastewater

Total Project Cost: \$100,000

Project Description: Handrail replacement for the aeration, primary, secondary, secondary, flocculation tank and the grit tank.

Project Justification and/or Need: Upgrade rails to OSHA standards, improve safety, use of aluminum railing as opposed to existing steel railing.

Project Impact/Benefit: Safety of the workers and visitors around the plant.

Operating Fund Impact: No significant impact.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$100,000
Total	\$100,000



WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**
Project Title: **ANALYTICAL LAB BALANCE**

First Year in CIP: 2017
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$10,000

Project Description: Replace analytical balance in wastewater laboratory.

Project Justification and/or Need: Reliable measurements are critical for accurate results for solids, suspended solids, and volatile suspended solids analysis. There are required parameter for these results for the City's NPDES permit and for process control. Current balance will be over fifteen years old when replaced.

Project Impact/Benefit: Ensure accurate measurements for testing.

Operating Fund Impact: Reduce maintenance costs \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$10,000
Total	\$10,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**
Project Title: **WASTEWATER/LAB FUME HOODS**

First Year in CIP: 2020
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$35,000

Project Description: Replace/rehabilitate wastewater and general lab fume hoods.

Project Justification and/or Need: The most recent full replacement took place in 1996 with refurbish in 2016 and 2018. The units are approaching 30 years old. There are a lot of acids used in these hoods and it is eating away at the interior structure of the hoods. The fan systems are currently working well, so perhaps only the interior will need to be replaced.

Project Impact/Benefit: A properly working fume hood will keep harmful vapors from entering the lab and negatively affecting the lab staff's health and lab materials.

Operating Fund Impact: An employee illness/injury would cost money in lost time, insurance rates, possible lawsuits, etc. Acid degradation of materials in the lab means they have to be replaced at a cost.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$35,000
Total	\$35,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**
Project Title: **TRANSFORMER REPLACEMENT**

First Year in CIP: 2020
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$20,000

Project Description: Replace old 750 KVA transformer with a new 500 KVA transformer.

Project Justification and/or Need: Old transformer has had multiple leaks repaired and needs replaced.

Project Impact/Benefit: Protect against power outages due to equipment failure and to ensure safe and efficient operations.

Operating Fund Impact: All the power runs through the transformer and if it were to fail it could cost a tremendous amount of money to change in an emergency.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$20,000
Total	\$20,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**
Project Title: **AQUA DISK UPGRADE**

First Year in CIP: 2020
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$55,000

Project Description: Upgrade outdated Human Interface Modules and PLC's on the aqua disk cloth filters.

Project Justification and/or Need: Equipment that is critical to the treatment process needs to be kept up to date and working properly. Regular replacement is important.

Project Impact/Benefit: Regularly updating equipment will help ensure that the water treatment operations consistently operate with no downtime and optimal efficiency and safety.

Operating Fund Impact: Reduced unplanned maintenance cost and efficient operation.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$55,000
Total	\$55,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**

Project Title: **CHANNEL MONSTER REPLACEMENT**

First Year in CIP: 2020
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$45,000

Project Description: Replace old channel monster with new channel monster.

Project Justification and/or Need: The old channel monster which chews up solids prior to entering the treatment stages is worn and aging.

Project Impact/Benefit: Regularly updating equipment will help ensure that the water treatment operations consistently operate with no downtime and optimal efficiency and safety.

Operating Fund Impact: Reduced maintenance cost of unplugging pumps and removing accumulated solids throughout the plant.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$45,000
Total	\$45,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**

Project Title: **MAIN WWTP BUILDING ROOF REPLACEMENT**

First Year in CIP: 2020
Project Category: Building
Department: Water and Wastewater

Total Project Cost: \$50,000

Project Description: Remove aging rubber membrane roof and replace it with a new membrane roof and drain boots.

Project Justification and/or Need: The current leaking roof is in dire need of replacement.

Project Impact/Benefit: A fully functioning roof is critical to protecting the assets within the building as well as the employees that work in the facility.

Operating Fund Impact: Eliminate costly repairs of \$2,000 - \$5,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$50,000
Total	\$50,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**
Project Title: **ULTRAVIOLET SYSTEM UPGRADE**

First Year in CIP: 2020
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$110,000

Project Description: Upgrading outdated UV equipment so it operates properly.

Project Justification and/or Need: UV is a crucial part of the treatment process and needs to be upgraded.

Project Impact/Benefit: Regularly updating equipment will help ensure that the water treatment operations consistently operate with no downtime and optimal efficiency and safety.

Operating Fund Impact: Lower monthly electrical cost and semi-annual bulb replacements.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$110,000
Total	\$110,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**
Project Title: **COMPACT TRACTOR**

First Year in CIP: 2020
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$30,000

Project Description: Purchase new compact tractor.

Project Justification and/or Need: Compact tractor for well field mowing, yard/site work, light snow removal. Currently borrow a tractor to do this work which is not always available.

Project Impact/Benefit: Enhance ability to maintain the appearance of both well fields, work for moving parts around.

Operating Fund Impact: Increase routine maintenance and fuel costs slightly.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$30,000
Total	\$30,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**
Project Title: **TWO (2) ½-TON SERVICE TRUCKS**

First Year in CIP: 2020
Project Category: Vehicles
Department: Water and Wastewater

Total Project Cost: \$80,000

Project Description: Scheduled replacement of two (2) existing 4-wheel drive service trucks.

Project Justification and/or Need: Vehicles will be approximately 10 years old and in need of replacement.

Project Impact/Benefit: Maintenance costs will be reduced as aged vehicles are upgraded.

Operating Fund Impact: Reduce maintenance costs \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$80,000
Total	\$80,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**
Project Title: **SEWER LINING**

First Year in CIP: 2020
Project Category: Utilities Infrastructure
Department: Water and Wastewater

Total Project Cost: \$500,000

Project Description: Rehabilitate 5,000 linear feet of sanitary sewer main with a fiberglass liner.

Project Justification and/or Need: Sewer mains have water infiltration, holes and are aging. Lining will extend the life of the pipes without the need to tear up roads to replace pipes.

Project Impact/Benefit: Lining sewer mains in these specific areas are more cost effective than replacing with new pipe.

Operating Fund Impact: Save electricity and maintenance cost for pumping and treating water infiltration.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$500,000
Total	\$500,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**

Project Title: **LAKE, LEESON, LEISURE STREET PUMPS**

First Year in CIP: 2021
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$125,000

Project Description: Rebuild or replace main pumps in lift stations located on Lake, Leeson, and Leisure Streets.

Project Justification and/or Need: Pumps are showing wear and need to be rebuilt or replaced in order to restore pump efficiencies to where they should be.

Project Impact/Benefit: Reduce maintenance costs and protect against unexpected failures.

Operating Fund Impact: Reduce maintenance costs by \$2,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$125,000
Total	\$125,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 - FY2026**

Project Title: **LIFT STATION EXTERIOR DOORS AND WINDOWS**

First Year in CIP: 2021
Project Category: Buildings
Department: Water and Wastewater

Total Project Cost: \$85,000

Project Description: Begin to replace doors and windows on various lift station buildings.

Project Justification and/or Need: Regular maintenance on these building will ensure the longest service life possible.

Project Impact/Benefit: Improve efficiency and ensure safety of these lift station structures.

Operating Fund Impact: Small decrease in utility costs.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$85,000
Total	\$85,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 - FY2027**
Project Title: **2 SERVICE TRUCKS**

First Year in CIP: 2021
Project Category: Vehicles
Department: Water and Wastewater

Total Project Cost: \$80,000

Project Description: Replace existing service trucks.

Project Justification and/or Need: Existing trucks will be more than 10 years old and at the end of their expected useful life.

Project Impact/Benefit: Replacement helps protect the ability of the department to respond to both routine and emergency service calls.

Operating Fund Impact: Reduce maintenance costs by \$1,000 per year or more.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$80,000
Total	\$80,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 - FY2027**
Project Title: **SEWER LINING**

First Year in CIP: 2021
Project Category: Utilities Infrastructure
Department: Water and Wastewater

Total Project Cost: \$500,000

Project Description: Rehabilitate 5,000 linear feet of sanitary sewer main with a fiberglass liner.

Project Justification and/or Need: Sewer mains have water infiltration, holes and are aging. Lining will extend the life of the pipes without the need to tear up roads to replace pipes.

Project Impact/Benefit: Lining sewer mains in these specific areas are more cost effective than replacing with new pipe.

Operating Fund Impact: Save electricity and maintenance cost for pumping and treating water infiltration.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$500,000
Total	\$500,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 - FY2027**
Project Title: **HANDHELD RADIO METER READER**

First Year in CIP: 2021
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$10,000

Project Description: Replace a handheld reader for the water meter operation.

Project Justification and/or Need: Original unit will be 15 years old and need replaced.

Project Impact/Benefit: Enable ongoing meter reading operations.

Operating Fund Impact: Reduce minor maintenance costs by \$100 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$10,000
Total	\$10,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 - FY2027**

Project Title: **MUFFLE FURNACE/DRYING OVEN**

First Year in CIP: 2021
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$8,000

Project Description: Replace muffle furnace and drying oven in the wastewater laboratory.

Project Justification and/or Need: The drying oven and muffle furnace will be 10 years old. They are both essential to the suspended solids/volatile suspended solids testing that must be done daily for the City's NPDES permit with the State of Michigan. Both are also used for drying samples for process control, industrial permits, and standardizing reagents.

Project Impact/Benefit: The department monitors suspended solids/volatile suspended solids in the effluent to make sure that the discharge is not putting too many solids into the Clam River which would have a significantly negative impact on the river.

Operating Fund Impact: A newer muffle furnace/drying oven will most likely be more energy efficient and reduce energy costs since they run 24 hours a day.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$8,000
Total	\$8,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 - FY2027**
Project Title: **LIFT STATION PUMPS**

First Year in CIP: 2022
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$60,000

Project Description: Replace pumps at Sixth and Southshore lift stations.

Project Justification and/or Need: To bring pump efficiencies back to where they should be due to age and wear.

Project Impact/Benefit: Ensure efficient and reliability of critical equipment in the wastewater system. Health and welfare of the community.

Operating Fund Impact: Reduced annual maintenance and costs of unexpected failure.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$60,000
Total	\$60,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 - FY2027**
Project Title: **MUFFIN MONSTER CUTTING STACK**

First Year in CIP: 2022
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$16,000

Project Description: Replacement of the Muffin Monster cutter stack.

Project Justification and/or Need: Replacement of the Cutter Stack ensures debris is being reduced for proper digester operation.

Project Impact/Benefit: Ensure efficient and reliability of critical equipment in the wastewater system. Health and welfare of the community.

Operating Fund Impact: Reduced annual maintenance and costs of digester cleaning.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$16,000
Total	\$16,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 - FY2027**
Project Title: **DIFFUSER HEAD REPLACEMENT**

First Year in CIP: 2022
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$24,000

Project Description: Replacement of existing flexible membranes in the aeration basins.

Project Justification and/or Need: Replacement of crucial equipment in activated sludge process.

Project Impact/Benefit: Ensure efficient and reliability of critical equipment in the wastewater system.
Health and welfare of the community.

Operating Fund Impact: Continued efficient operation to reduce annual costs.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$24,000
Total	\$24,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 6 - FY2028**
Project Title: **1/2 -TON SERVICE TRUCK**

First Year in CIP: 2022
Project Category: Vehicle
Department: Water and Wastewater

Total Project Cost: \$50,000

Project Description: Scheduled replacement of existing 4-wheel drive service truck.

Project Justification and/or Need: Vehicle will be 10-15 years old and in need of replacement.

Project Impact/Benefit: Maintenance costs will be reduced as aged vehicles are upgraded.

Operating Fund Impact: Reduce maintenance costs \$1,000 per year.



<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$50,000
Total	\$50,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 6 - FY2028**

Project Title: **AUTOMATED SCREEN AND SCREW CONVEYOR**

First Year in CIP: 2022
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$400,000

Project Description: New automated screen and screw conveyor for rag removal.

Project Justification and/or Need: Removal of rags is crucial to downstream treatment processes.

Project Impact/Benefit: Ensure efficient and reliability of critical equipment in the wastewater system. Health and welfare of the community.

Operating Fund Impact: Reduced cost of pump repairs and digester cleaning as well as overall plant removal performance.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$400,000
Total	\$400,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 6 - FY2028**
Project Title: **GRIT COLLECTION EQUIPMENT**

First Year in CIP: 2022
Project Category: Equipment
Department: Water and Wastewater

Total Project Cost: \$350,000

Project Description: Replacement of aging grit collection equipment, including distributor arm, grit rake, drive units, organic return pump and barriers.

Project Justification and/or Need: Removal of grit is an important first step in the treatment process.

Project Impact/Benefit: Enhanced treatment and efficiency. Ensure efficient and reliability of critical equipment in the wastewater system. Health and welfare of the community.

Operating Fund Impact: Reduced maintenance and reduced grit accumulating in the bio solids causing an increase in hauling.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$350,000
Total	\$350,000

WATER AND WASTEWATER

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Projects Identified – Department of Public Works

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Department of Public Works	
Year 1 - FY2023	
3/4-Ton 4X4 Pickup Truck	35,000
Wood Chipper	30,000
Sidewalk Snow Removal Equipment	30,000
Year 1 - FY2023 Total	95,000
Year 2 - FY2024	
1-Ton Dump Truck	70,000
3/4-Ton 4X4 Pickup Truck	35,000
Four Post Column Lift	35,000
Year 2 - FY2024 Total	140,000
Year 3 - FY2025	
3/4-Ton 4X4 Pickup Truck	40,000
Year 3 - FY2025 Total	40,000
Year 4 - FY2026	
3/4-Ton 4X4 Pickup Truck	40,000
Year 4 - FY2026 Total	40,000
Department of Public Works Total	315,000

DEPARTMENT OF PUBLIC WORKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **¾-TON 4X4 PICKUP TRUCK**

First Year in CIP: 2017
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$35,000

Project Description: Replace pickup trucks utilized daily for street maintenance activities.

Project Justification and/or Need: Pickup trucks are essential for day-to-day operations in the street department. These trucks typically remain in service for up to 12 years. The condition of older vehicles is reviewed each year, and the one in worst condition is replaced.

Project Impact/Benefit: A regular replacement schedule will help keep down repair and maintenance costs and reduce down time.



Operating Fund Impact: Reduce minor maintenance costs by \$3,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$35,000
Total	\$35,000

DEPARTMENT OF PUBLIC WORKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **WOOD CHIPPER**

First Year in CIP: 2020
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$30,000

Project Description: Purchase a new commercial grade wood chipper to replace current equipment.

Project Justification and/or Need: Current unit will reach the end of its estimated useful life and will begin to experience maintenance issues and increased downtime for repairs.



Project Impact/Benefit: Maintain reliable and safe equipment to accomplish tasks and keep streets safe for our community.

Operating Fund Impact:
Decrease minor maintenance costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$30,000
Total	\$30,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**

Project Title: **SIDEWALK SNOW REMOVAL EQUIPMENT**

First Year in CIP: 2022
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$30,000

Project Description: Purchase snowplow and snow blower to fit tractors utilized in hourly lease program.



Project Justification and/or Need: Purchase new equipment used frequently in department snow removal operations.

Project Impact/Benefit: Maintain reliable and safe equipment to accomplish tasks and keep streets safe for our community.

Operating Fund Impact:

Decrease minor maintenance costs by \$500 per year and reduce downtime.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$30,000
Total	\$30,000

DEPARTMENT OF PUBLIC WORKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **1-TON DUMP TRUCK**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$70,000

Project Description: Replace second of two (2) dump trucks.

Project Justification and/or Need: Replace old equipment used frequently in department operations.

Project Impact/Benefit: Maintain reliable and safe equipment to accomplish tasks and keep streets safe for our community.

Operating Fund Impact:
Decrease minor maintenance costs by \$1,500 per year and reduce downtime.



Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$70,000
Total	\$70,000

DEPARTMENT OF PUBLIC WORKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **¾-TON 4X4 PICKUP TRUCK**

First Year in CIP: 2017
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$35,000

Project Description: Replace pickup trucks utilized daily for street maintenance activities.

Project Justification and/or Need: Pickup trucks are essential for day-to-day operations in the street department. These trucks typically remain in service for up to 12 years. The condition of older vehicles is reviewed each year, and the one in worst condition is replaced.

Project Impact/Benefit: A regular replacement schedule will help keep down repair and maintenance costs and reduce down time.



Operating Fund Impact: Reduce minor maintenance costs by \$3,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$35,000
Total	\$35,000

DEPARTMENT OF PUBLIC WORKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **FOUR POST COLUMN LIFT**

First Year in CIP: 2018
Project Category: New Equipment
Department: Stores and Garage

Total Project Cost: \$35,000

Project Description: Purchase and install a four-post column lift for lifting heavy equipment for maintenance.

Project Justification and/or Need: Project will enable city mechanic to lift heavy equipment for inspections and repairs, including equipment for other departmental annual inspection requirements, like fire trucks, etc.

Project Impact/Benefit: Enhances capacity of maintenance staff to perform more thorough inspections by providing adequate lighting and maneuverability to perform repairs.



Operating Fund Impact: Lift will reduce setup time prior to inspections and repairs, and could enable city mechanic to perform additional services for other departments, thereby reducing operational maintenance costs by up to \$2,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$35,000
Total	\$35,000

DEPARTMENT OF PUBLIC WORKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **¾-TON 4X4 PICKUP TRUCK**

First Year in CIP: 2019
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$40,000

Project Description: Replace pickup truck utilized daily for street maintenance activities.

Project Justification and/or Need: Pickup trucks are essential for day-to-day operations in the street department. These trucks typically remain in service for up to 12 years. The condition of older vehicles is reviewed each year, and the one in worst condition is replaced.

Project Impact/Benefit: A regular replacement schedule will help keep down repair and maintenance costs and reduce down time.



Operating Fund Impact: Reduce minor maintenance costs by \$1,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$40,000
Total	<u>\$40,000</u>

DEPARTMENT OF PUBLIC WORKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 – FY2026**
Project Title: **¾-TON 4X4 PICKUP TRUCK**

First Year in CIP: 2021
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$40,000

Project Description: Replace pickup truck utilized daily for street maintenance activities.

Project Justification and/or Need: Pickup trucks are essential for day-to-day operations in the street department. These trucks typically remain in service for up to 12 years. The condition of older vehicles is reviewed each year, and the one in worst condition is replaced.

Project Impact/Benefit: A regular replacement schedule will help keep down repair and maintenance costs and reduce down time.



Operating Fund Impact: Reduce minor maintenance costs by \$1,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$40,000
Total	<u>\$40,000</u>

DEPARTMENT OF PUBLIC WORKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Projects Identified – Information Technology

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Information Technology	
Year 1 - FY2023	
Computer Replacement	20,000
Wireless Project	50,000
Year 1 - FY2023 Total	70,000
Year 2 - FY2024	
Computer Replacement	20,000
IT Infrastructure	20,000
Year 2 - FY2024 Total	40,000
Year 3 - FY2025	
Computer Replacement	20,000
IT Infrastructure	50,000
Year 3 - FY2025 Total	70,000
Year 4 - FY2026	
Computer Replacement	20,000
IT Infrastructure	20,000
Year 4 - FY2026 Total	40,000
Year 5 - FY2027	
Computer Replacement	20,000
Year 5 - FY2027 Total	20,000
Year 6 - FY2028	
Computer Replacement	20,000
Year 6 - FY2028 Total	20,000
Information Technology Total	260,000

INFORMATION TECHNOLOGY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$20,000

Project Description: Replace desktop computers, laptops, and other computer hardware that has reached the end of its useful life. The estimated useful life of a business-use PC is 4 years.

Project Justification and/or Need: With nearly 70 workstations in service throughout City departments, it is prudent to annually replace a portion of them to avoid a spike in obsolete technology in any one fiscal year.

Project Impact/Benefit: Replacement of computer equipment in a timely fashion increases productivity and efficiency, while also reducing maintenance costs and down time.



Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$20,000
Total	<u>\$20,000</u>

INFORMATION TECHNOLOGY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**
Project Title: **WIRELESS PROJECT**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$50,000

Project Description: Install a network of wireless infrastructure with a hub on the water tower in order to provide connection to various sites in the city, including buildings, parks, and infrastructure sites.

Project Justification and/or Need: Provide the ability to access video from cameras installed at various City-owned locations and enhance connectivity between the main City network at the Municipal Complex and various other ancillary facilities.



Project Impact/Benefit: Improved operations and access to information.

Operating Fund Impact: Project will increase operating costs for added costs of hardware and electricity at various locations.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$50,000
Total	<u>\$50,000</u>

INFORMATION TECHNOLOGY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$20,000

Project Description: Replace desktop computers, laptops, and other computer hardware that has reached the end of its useful life. The estimated useful life of a business-use PC is 4 years.

Project Justification and/or Need: With nearly 70 workstations in service throughout City departments, it is prudent to annually replace a portion of them to avoid a spike in obsolete technology in any one fiscal year.

Project Impact/Benefit: Replacement of computer equipment in a timely fashion increases productivity and efficiency, while also reducing maintenance costs and down time.



Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$20,000
Total	<u>\$20,000</u>

INFORMATION TECHNOLOGY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 2 – FY2024**
Project Title: **IT INFRASTRUCTURE**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$20,000

Project Description: General technology infrastructure updates.

Project Justification and/or Need: The City's system of IT infrastructure needs to be updated in order to minimize downtime and optimize operational efficiencies.

Project Impact/Benefit: Each department of the City relies on technology to enhance efficiency and optimize productivity. Regular updates enable the City's departments to take advantage of the latest technological advancements to improve and sustain operating capacities.

Operating Fund Impact: Reduce minor maintenance costs by \$2,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$20,000
Total	\$20,000



INFORMATION TECHNOLOGY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2019
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$20,000

Project Description: Replace desktop computers, laptops, and other computer hardware that has reached the end of its useful life. The estimated useful life of a business-use PC is 4 years.

Project Justification and/or Need: With nearly 70 workstations in service throughout City departments, it is prudent to annually replace a portion of them to avoid a spike in obsolete technology in any one fiscal year.

Project Impact/Benefit: Replacement of computer equipment in a timely fashion increases productivity and efficiency, while also reducing maintenance costs and down time.



Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$20,000
Total	<u>\$20,000</u>

INFORMATION TECHNOLOGY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **IT INFRASTRUCTURE**

First Year in CIP: 2019
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$50,000

Project Description: Upgrade and replace main servers.

Project Justification and/or Need: Current servers were replaced in FY19 and will have reached the end of their estimated useful lives. The City's system of IT infrastructure needs to be updated in order to minimize downtime and optimize operational efficiencies.

Project Impact/Benefit: Each department of the City relies on technology to enhance efficiency and optimize productivity. Regular updates enable the City's departments to take advantage of the latest technological advancements to improve and sustain operating capacities.

Operating Fund Impact: Reduce minor maintenance costs by \$2,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$50,000
Total	<u>\$50,000</u>



INFORMATION TECHNOLOGY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 – FY2026**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2020
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$20,000

Project Description: Replace desktop computers, laptops, and other computer hardware that has reached the end of its useful life. The estimated useful life of a business-use PC is 4 years.

Project Justification and/or Need: With nearly 70 workstations in service throughout City departments, it is prudent to annually replace a portion of them to avoid a spike in obsolete technology in any one fiscal year.

Project Impact/Benefit: Replacement of computer equipment in a timely fashion increases productivity and efficiency, while also reducing maintenance costs and down time.



Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$20,000
Total	<u>\$20,000</u>

INFORMATION TECHNOLOGY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 4 – FY2026**
Project Title: **IT INFRASTRUCTURE**

First Year in CIP: 2020
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$20,000

Project Description: General technology infrastructure updates.

Project Justification and/or Need: The City's system of IT infrastructure needs to be updated in order to minimize downtime and optimize operational efficiencies.

Project Impact/Benefit: Each department of the City relies on technology to enhance efficiency and optimize productivity. Regular updates enable the City's departments to take advantage of the latest technological advancements to improve and sustain operating capacities.

Operating Fund Impact: Reduce minor maintenance costs by \$2,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$20,000
Total	\$20,000



INFORMATION TECHNOLOGY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 5 – FY2027**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2021
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$20,000

Project Description: Replace desktop computers, laptops, and other computer hardware that has reached the end of its useful life. The estimated useful life of a business-use PC is 4 years.

Project Justification and/or Need: With nearly 70 workstations in service throughout City departments, it is prudent to annually replace a portion of them to avoid a spike in obsolete technology in any one fiscal year.

Project Impact/Benefit: Replacement of computer equipment in a timely fashion increases productivity and efficiency, while also reducing maintenance costs and down time.



Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$20,000
Total	<u>\$20,000</u>

INFORMATION TECHNOLOGY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 6 – FY2028**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2022
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$20,000

Project Description: Replace desktop computers, laptops, and other computer hardware that has reached the end of its useful life. The estimated useful life of a business-use PC is 4 years.

Project Justification and/or Need: With nearly 70 workstations in service throughout City departments, it is prudent to annually replace a portion of them to avoid a spike in obsolete technology in any one fiscal year.

Project Impact/Benefit: Replacement of computer equipment in a timely fashion increases productivity and efficiency, while also reducing maintenance costs and down time.



Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$20,000
Total	<u>\$20,000</u>

INFORMATION TECHNOLOGY

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Projects Identified – Community Development

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Community Development	
Year 1 - FY2023	
Cass/Mitchell/Chapin Upgrades	400,000
Year 1 - FY2023 Total	400,000
Year 3 - FY2025	
Sidewalk Construction	350,000
Year 3 - FY2025 Total	350,000
Community Development Total	750,000

COMMUNITY DEVELOPMENT

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 - FY2023**
Project Title: **CASS/MITCHELL/CHAPIN UPGRADES**

First Year in CIP: 2022
Project Category: Other Infrastructure
Department: Community Development

Total Project Cost: \$400,000

Project Description: In conjunction with Phase II of the Cadillac Lofts project, the City will improve the area surrounding the new development with street upgrades, parking upgrades, and sidewalks.

Project Justification and/or Need: The areas surrounding this block are in need of upgrades.

Project Impact/Benefit: Project will beautify the area surrounding a new development at a core intersection within the Cadillac downtown area.

Operating Fund Impact: No impact on the operating budget.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Local Funds	\$400,000
Total	\$400,000

COMMUNITY DEVELOPMENT

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**
Project Title: **SIDEWALK CONSTRUCTION**

First Year in CIP: 2013
Project Category: Other Infrastructure
Department: Community Development

Total Project Cost: \$350,000

Project Description: Construct sidewalks in various sections of the City.

Project Justification and/or Need: Sidewalks are a primary component of a developed community and/or developing a community. As important as a roadway system, sidewalks and other multi-modal type paths are essential infrastructure, unlike rural, farm type towns that don't have any centers of commerce, neighborhoods, etc. The following have been identified as areas needing sidewalks:

- Carmel Street (Franklin School area)
- Chestnut Street (Kenwood School area)
- Cobb Street (Lynn Street to medical facilities/residential area East of Carmel Street)
- Pearl Street (Samaritas to Business 131)

Project Impact/Benefit: Enhance pedestrian safety and ease flow of foot traffic.

Operating Fund Impact: Increase minor maintenance and repair costs \$2,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
General Property Tax Revenues	\$175,000
Grants	175,000
Total	\$350,000

COMMUNITY DEVELOPMENT

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Projects Identified – Industrial Parks

The following projects have been identified for inclusion in this six-year Capital Improvement Program.

Industrial Parks	
Year 1 - FY2023	
Entrance Signs	50,000
Year 1 - FY2023 Total	50,000
Year 3 - FY2025	
James E. Potvin Industrial Park Expansion	600,000
Year 3 - FY2025 Total	600,000
Industrial Parks Total	650,000

INDUSTRIAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 1 – FY2023**

Project Title: **INDUSTRIAL PARK ENTRANCE SIGNS**

First Year in CIP: 2013
Project Category: Industrial Development
Department: Industrial Parks

Total Project Cost: \$50,000

Project Description: Replace entrance signs to the Cadillac Industrial Parks.

Project Justification and/or Need: Current entrance signs are faded and showing age, which also increases costs to maintain the signs. New companies that have entered the park need to have their company names displayed.

Project Impact/Benefit: The visual appearance at the entrance to the parks will be enhanced and the addition of new company names will be a public benefit as well.



Operating Fund Impact: Reduce maintenance and repair costs by \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$50,000
Total	\$50,000

INDUSTRIAL PARKS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2023-2028

Program Fiscal Year: **YEAR 3 – FY2025**

Project Title: **JAMES E. POTVIN INDUSTRIAL PARK EXPANSION**

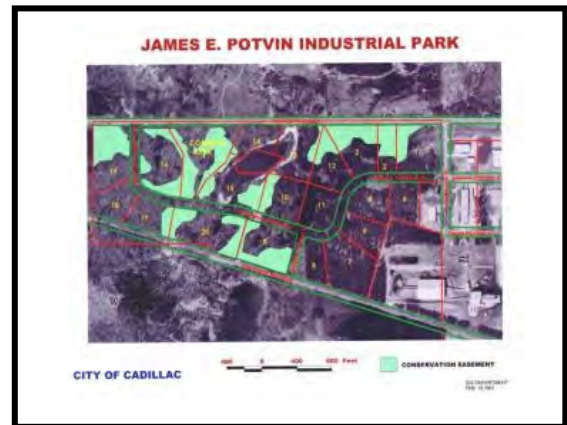
First Year in CIP: 2003
Project Category: Industrial Development
Department: Industrial Parks

Total Project Cost: \$600,000

Project Description: Phase II of the park expansion will result in the development of lots 15-20. Initial work on this project could begin in FY2019 but the majority of the work will be in Year 2 and potentially beyond. In addition, grants and other outside funding sources will be sought.

Project Details:

Water System	\$200,000
Sanitary Sewer System	80,000
Streets and Storm Water	<u>320,000</u>
Total	<u>\$600,000</u>



Project Justification and/or Need: Project will increase available industrial property through development of new infrastructure including sanitary sewer, water main, and street paving. The project will require wetlands mitigation.

Project Impact/Benefit: Project will result in additional available industrial sites.

Operating Fund Impact: Additional infrastructure and road maintenance will increase operational costs in the Street Department and Utilities by an estimated \$2,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Local Industrial Park Funds	\$600,000
Total	<u>\$600,000</u>

INDUSTRIAL PARKS



**Capital Improvement
Program**
July 1, 2022 - June 30, 2028