



6-Year Capital Improvement Program



**For the Six (6) Fiscal Years Ending
June 30, 2020 - 2025**



CITY COUNCIL (Front Row, Left to Right): Shari Spoelman, Antoinette Schippers, Carla Filkins, Robert Engels, John Meinhardt

Administrative Officials

(Back Row, Left to Right)

Owen Roberts

Director of Finance/DPW

Marcus Peccia

City Manager

Michael Homier

City Attorney,
Foster, Swift, Collins & Smith, PC

Sandra Wasson

City Clerk

CITY COUNCIL

Carla J. Filkins, Mayor

At Large

Shari Spoelman, Mayor Pro-Tem

First Ward

Robert Engels, Councilmember

Third Ward

Antoinette Schippers, Councilmember

Second Ward

Stephen King, Councilmember

Fourth Ward



Other Administrative Officials:

Jeff Dietlin - Director of Utilities

John Wallace - Community Development Director

Adam Ottjepka—Public Safety Director

Keri Lanning - City Treasurer

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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, the majority of 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, snow plows, 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 - FY2020	Year 2 - FY2021	Year 3 - FY2022	Year 4 - FY2023	Year 5 - FY2024	Year 6 - FY2025	Grand Total
General Fund							
Municipal Complex and Administration	50,000	25,000	105,000	258,000	15,000		453,000
Parks	39,000	102,500	74,000	25,000	9,000		249,500
Police Department	35,000	40,000	60,000		42,000	42,000	219,000
Fire Department	600,000					100,000	700,000
General Fund Total	724,000	167,500	239,000	283,000	66,000	142,000	1,621,500
Major Street Fund	222,500	457,500	980,000	116,500	342,000		2,118,500
Local Street Fund	769,500	345,500	270,000	285,500	404,500	460,000	2,535,000
Cemetery Operating Fund		15,000	49,000	100,000	50,000	10,000	224,000
Water and Sewer Fund	8,808,000	813,000	1,304,500	480,000	476,000	1,038,000	12,919,500
Stores and Garage Fund	335,000	255,000	30,000	75,000	50,000		745,000
Information Technology Fund	90,000	20,000	40,000	20,000	40,000	70,000	280,000
Industrial Park Fund	40,000	600,000					640,000
Community Development	375,000		350,000				725,000
Grand Total	11,364,000	2,673,500	3,262,500	1,360,000	1,428,500	1,720,000	21,808,500

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 - FY2020	Year 2 - FY2021	Year 3 - FY2022	Year 4 - FY2023	Year 5 - FY2024	Year 6 - FY2025	Total
General Governmental Revenues	824,000	767,500	174,000	283,000	66,000	142,000	2,256,500
Donations Received	50,000	0	0	0	0	0	50,000
Future Donations	0	0	65,000	0	50,000	0	115,000
Operating Revenues	1,233,000	1,103,000	1,423,500	675,000	566,000	1,118,000	6,118,500
MVHF	992,000	803,000	875,000	402,000	746,500	460,000	4,278,500
Bond/Loan Proceeds	8,000,000	0	0	0	0	0	8,000,000
Grants	265,000	0	375,000	0	0	0	640,000
Special Assessments	0	0	350,000	0	0	0	350,000
	11,364,000	2,673,500	3,262,500	1,360,000	1,428,500	1,720,000	21,808,500

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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 - FY2020	Project	Cost	Page
Municipal Complex and Administration	Concrete Apron Replacements	25,000	10
	Police Department Office Updates	25,000	11
Police Department	Police Body Worn Cameras	20,000	18
	In-Car Cameras	15,000	19
Fire Department	Fire Engine	600,000	25
Parks	Programmable Pavilion Sign	30,000	29
	Riding Lawn Mower	9,000	30
Major Street	Carmel Street (Cobbs to Stimson)	222,500	40
Local Street	Aldrich Street (Bond to Linden)	200,000	49
	Mason Street (Mitchell to Parking Lot)	46,500	50
	Crippen Street (Mitchell to Hemlock)	242,500	51
	Evart Street (Cedar to Lester)	179,000	52
	Simons Street (Pine to Bremer)	94,000	53
	Street Sign Replacement	7,500	54
Water and Wastewater	Aldrich Street (Bond to Linden)	97,000	80
	Mason Street (Mitchell to Parking Lot)	10,000	81
	Crippen Street (Mitchell to Hemlock)	130,000	82
	Evart Street (Cedar to Lester)	180,000	83
	Simons Street (Pine to Bremer)	40,000	84
	Carmel Street	50,000	85
	Bio-Makeup Air/Furnace	25,000	86
	Laboratory Incubators	8,000	87
	Manhole Rehabilitation	25,000	88
	Primary Drive Replacement/Renovation	45,000	89
	RAS Pumps 1&2 Replacement	30,000	90
	Secondary Drive Replacement	60,000	91
	South Shore Lift Station Building	8,000	92
	Sunset/Lakeshore Main Replacement	20,000	93
	Two (2) Service Trucks	55,000	94
	Water Well Maintenance	25,000	95
	Water Supply Improvements	8,000,000	96
Department of Public Works	Dual Wheel 29' Bucket Truck	65,000	152
	Front-End Loader	110,000	153
	Single Axle Blade Truck w/Rev. Plow	160,000	154
Information Technology	Computer Replacement	20,000	164
	IT Infrastructure	20,000	165
	Wireless Project	50,000	166
Community Development	Trailhead at Cadillac Commons	375,000	176
Industrial Parks	Entrance Signs	40,000	182
Year 1 - FY2020 Total		11,364,000	

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Year 2 - FY2021	Project	Cost	Page
Municipal Complex and Administration	Backup Generator	25,000	12
Police Department	Police Patrol Vehicle	40,000	20
Parks	Kenwood Parking Lot	60,000	31
	Parking Upgrades - Lake and Chestnut	35,000	32
	Shoreline Stabilization	7,500	33
Major Street	W. Division Street (Leeson to Boon)	317,500	41
	North Boulevard (M-115 to Curve)	140,000	42
Local Street	Ayers Street (Wheeler to Plett)	128,500	55
	Burlingame Street (13th to Ford)	217,000	56
Cemetery	Sprinkler System Upgrade	15,000	71
Water and Wastewater	W. Division Street	54,000	97
	Ayer Street	25,000	98
	Burlingame Street	148,000	99
	3/4 Ton, 4X4 Service Truck	28,000	100
	Aqua Disk Cloth	30,000	101
	Autoclave Replacement	8,000	102
	Major Building Exterior Repairs	175,000	103
	Manhole Rehabilitation	25,000	104
	Revolution Blower	200,000	105
	Rotary Screw Compressor	12,500	106
	Spectrophotometer	7,500	107
	Storage Barn	35,000	108
	Ultraviolet Bulbs	40,000	109
	Water Well Inspection	25,000	110
Department of Public Works	1-Ton Dump Truck	50,000	155
	Four Post Column Lift	35,000	156
	Riding Lawn Mower	10,000	157
	Single Axle Blade Truck w/Rev. Plow	160,000	158
Information Technology	Computer Replacement	20,000	167
Industrial Parks	James E. Potvin Industrial Park Expansion	600,000	183
Year 2 - FY2021 Total		2,673,500	
Year 3 - FY2022	Project	Cost	Page
Municipal Complex and Administration	Heating and Cooling Renovation	75,000	13
	Upgrade Municipal Complex Restrooms	30,000	14
Police Department	Police Patrol Vehicle	40,000	21
	Car Port	20,000	22
Parks	Riding Lawn Mower	9,000	34
	Skate Park Equipment	40,000	35
	Walkway Bridge Gazebo	25,000	36
Major Street	North Boulevard (Shoreline)	280,000	43
	Chestnut Street (Linden to Leeson)	700,000	44
Local Street	Crestview Street	78,500	57
	Stimson Street	109,000	58
	Evart Street	82,500	59
Cemetery	Cemetery Road Paving	40,000	72
	Riding Lawn Mower	9,000	73

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Water and Wastewater	Crestview Street	64,000	111
	Evart Street (2)	80,000	112
	Stimson Street	53,500	113
	Chestnut Street	160,000	114
	1/2 Ton Service Truck	27,000	115
	1-Ton Service Truck with Plow and Hoist	45,000	116
	Analytical Lab Balance	10,000	117
	Gas Storage and Energy Production	600,000	118
	Influent Screw Pump	140,000	119
	Lab Counter Replacement	15,000	120
	Manhole Rehabilitation	25,000	121
	Portable Generator	60,000	122
	Water Well Inspection	25,000	123
Department of Public Works	3/4-Ton 4X4 Pickup Truck	30,000	159
Information Technology	Computer Replacement	20,000	168
	IT Infrastructure	20,000	169
Community Development	Carmel Street Sidewalk	75,000	177
	Chestnut Street Sidewalk	75,000	178
	Cobb Street Sidewalk	100,000	179
	Pearl Street Sidewalk	100,000	180
Year 3 - FY2022 Total		3,262,500	
Year 4 - FY2023	Project	Cost	Page
Municipal Complex and Administration	Fire Garage Expansion	258,000	15
Parks	Playground Equipment	25,000	37
Major Street	Linden Street (W. Division to Arthur)	116,500	45
Local Street	Warbler Lane (Paluster to Cardinal)	67,000	60
	Cardinal Drive (Warbler to Crosby)	61,000	61
	Hemlock Street (Pine to Washington)	31,500	62
	Lincoln Street (Hemlock to May)	22,000	63
	Simons Street (Mason to Cass)	104,000	64
Cemetery	Maintenance Garage	100,000	74
Water and Wastewater	Linden Street	44,000	124
	N. Simons Street	37,500	125
	1/2 Ton Service Truck	25,000	126
	Manhole Rehabilitation	25,000	127
	Water Well Inspection	25,000	128
	Visitor/Client Entrance - WWTP	95,000	129
	Kubota Tractor	25,000	130
	Submersible Hydraulic Pump	90,000	131
	New Control Panel	100,000	132
	Push Sewer Camera	13,500	133
Department of Public Works	3/4-Ton 4X4 Pickup Truck	30,000	160
	Alley Tractor	45,000	161
Information Technology	Computer Replacement	20,000	170
Year 4 - FY2023 Total		1,360,000	

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Year 5 - FY2024	Project	Cost	Page
Municipal Complex and Administration	New Municipal Complex Entry Doors	15,000	16
Police Department	Police Patrol Vehicle	42,000	23
Parks	Riding Lawn Mower	9,000	38
Major Street	North Boulevard (Curve to Kenwood Park)	342,000	46
Local Street	Blodgett Street (Lincoln to Washington)	39,000	65
	Delmar Street (Chapin to E. Division)	43,500	66
	Elmer Street (Waldo to Linden)	322,000	67
Cemetery	Entrance Pillars	50,000	75
Water and Wastewater	Elmer Street	76,000	134
	1/2 Ton Service Truck	25,000	135
	Manhole Rehabilitation	25,000	136
	Water Well Inspection	25,000	137
	Door/Window Replacement-WWTP	115,000	138
	Piston Pump Replacement	25,000	139
	Backhoe	110,000	140
	LIMS/WIMS Software	75,000	141
Department of Public Works	1-Ton Dump Truck	50,000	162
Information Technology	Computer Replacement	20,000	171
	IT Infrastructure	20,000	172
Year 5 - FY2024 Total		1,428,500	
Year 6 - FY2025	Project	Cost	Page
Police Department	Police Patrol Vehicle	42,000	24
Fire Department	Overhaul Engine 1	100,000	26
Local Street	Lester Street (Cobbs to Howard)	400,000	68
	Wheeler Street (Ayer to Smith)	60,000	69
Cemetery	Riding Lawn Mower	10,000	76
Water and Wastewater	Lester Street (Cobbs to Howard)	20,000	142
	Two (2) Service Trucks	55,000	143
	Type 1 Water System	15,000	144
	Sewer Lining	500,000	145
	Anaerobic Digester Cleaning	75,000	146
	WWTP Hand Rail Replacement	100,000	147
	Plant-Wide Phone System	18,000	148
	Televised Inspection Trailer	225,000	149
	Two (2) Riding Lawn Mowers	30,000	150
Information Technology	Computer Replacement	20,000	173
	IT Infrastructure	50,000	174
Year 6 - FY2025 Total		1,720,000	
Grand Total		21,808,500	

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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 - FY2020	
Concrete Apron Replacements	25,000
Police Department Office Updates	25,000
Year 1 - FY2020 Total	50,000
Year 2 - FY2021	
Backup Generator	25,000
Year 2 - FY2021 Total	25,000
Year 3 - FY2022	
Heating and Cooling Renovation	75,000
Upgrade Municipal Complex Restrooms	30,000
Year 3 - FY2022 Total	105,000
Year 4 - FY2023	
Fire Garage Expansion	258,000
Year 4 - FY2023 Total	258,000
Year 5 - FY2024	
New Municipal Complex Entry Doors	15,000
Year 5 - FY2024 Total	15,000
Municipal Complex and Administration Total	453,000

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Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **CONCRETE APRON REPLACEMENTS**

First Year in CIP: 2008
Project Category: Building Maintenance
Department: Municipal Complex

Total Project Cost: \$25,000

Project Description: Replace concrete aprons at east and west entrances to Fire Department equipment bay. Approximately 2,880 square feet will be replaced at an estimated \$7/s.f.

Project Justification and/or Need: Existing aprons are cracked and deteriorating. Continuous operation of heavy fire fighting apparatus will lead to even further deterioration of aprons.

Project Impact/Benefit: Reduce trip and fall hazard and provide smooth and safe area for vehicle testing and maintenance.



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

Funding Source(s) for this Project:

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

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Program Fiscal Year: **YEAR 1 – FY2020**

Project Title: **POLICE DEPARTMENT OFFICE UPGRADES**

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

Total Project Cost: \$25,000

Project Description: New carpeting, paint, desks, and wall repairs in sergeant and patrol offices in the Cadillac Police Department.

Project Justification and/or Need: Conditions of these offices have deteriorated and need to be improved.

Project Impact/Benefit: Enhanced work spaces, and improved appearance when providing tours of the Municipal Complex.

Operating Fund Impact: Minimal impact on operating budget.

Funding Source(s) for this Project:

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



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Program Fiscal Year: **YEAR 2 – FY2021**
Project Title: **BACKUP GENERATOR**

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

Total Project Cost: \$25,000

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	\$25,000
Total	\$25,000

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Program Fiscal Year: **YEAR 3 – FY2022**

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

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

Total Project Cost: \$75,000

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	\$75,000
Total	\$75,000

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Program Fiscal Year: **YEAR 3 – FY2022**

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 – FY2023**
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

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Program Fiscal Year: **YEAR 5 – FY2024**

Project Title: **MUNICIPAL COMPLEX ENTRY DOORS**

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

Total Project Cost: \$15,000

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	\$15,000
Total	\$15,000



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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 - FY2020	
Police Body Worn Cameras	20,000
In-Car Cameras	15,000
Year 1 - FY2020 Total	35,000
Year 2 - FY2021	
Police Patrol Vehicle	40,000
Year 2 - FY2021 Total	40,000
Year 3 - FY2022	
Police Patrol Vehicle	40,000
Car Port	20,000
Year 3 - FY2022 Total	60,000
Year 5 - FY2024	
Police Patrol Vehicle	42,000
Year 5 - FY2024 Total	42,000
Year 6 - FY2025	
Police Patrol Vehicle	42,000
Year 6 - FY2025 Total	42,000
Police Department Total	219,000

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Program Fiscal Year: **YEAR 1 - FY2020**
Project Title: **BODY WORN CAMERAS**

First Year in CIP: 2017
Project Category: Equipment Purchase
Department: Police



Total Project Cost: \$20,000

Project Description: Purchase body worn cameras.

Project Justification and/or Need: In order to document police/citizen encounters and gain public trust of the police, the department is proposing a body worn camera project. Department has tested several models and wishes to pursue the purchase of Taser Axiom cameras which was the superior project in testing.



Project Impact/Benefit: Research by the International Association of Police Chiefs has shown that departments utilizing body worn cameras have fewer substantiated complaints against the police. CPD officers have requested this equipment to protect against false claims.

Operating Fund Impact: Increase subscription fees for licensing and data storage of \$5,200 per year. Increase minor repair and maintenance costs by \$500 per year.

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 1 - FY2020**
Project Title: **IN-CAR CAMERAS**

First Year in CIP: 2019
Project Category: Equipment Purchase
Department: Police



Total Project Cost: \$15,000

Project Description: Replace existing in-car camera systems in six (6) front-line patrol vehicles.

Project Justification and/or Need: Today's law enforcement relies on camera technology to document law enforcement and citizen contacts. These tools allow for increased transparency and trust within the community.



Project Impact/Benefit: In-car cameras will document the actions of CPD law enforcement actions and capture important information related to these activities.

Operating Fund Impact: Decrease minor repair and maintenance costs related to older and outdated equipment by \$500 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 - FY2021**

Project Title: **POLICE PATROL VEHICLE REPLACEMENT**

First Year in CIP: 2016
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$40,000

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 on a daily basis 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	\$40,000
Total	\$40,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**

Project Title: **POLICE PATROL VEHICLE REPLACEMENT**

First Year in CIP: 2017
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$40,000

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 on a daily basis 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	\$40,000
Total	\$40,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**
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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 - FY2024**

Project Title: **POLICE PATROL VEHICLE REPLACEMENT**

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



Total Project Cost: \$42,000

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 on a daily basis 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	\$42,000
Total	\$42,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 - FY2025**

Project Title: **POLICE PATROL VEHICLE REPLACEMENT**

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



Total Project Cost: \$42,000

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 on a daily basis 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	\$42,000
Total	\$42,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Projects Identified – Fire Department

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

Fire Department	
Year 1 - FY2020	
Fire Engine	600,000
Year 1 - FY2020 Total	600,000
Year 6 - FY2025	
Overhaul Engine 1	100,000
Year 6 - FY2025 Total	100,000
Fire Department Total	700,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **FIRE PUMPER**

First Year in CIP: 2010
Project Category: Vehicle Replacement
Department: Fire



Total Project Cost: \$600,000

Project Description: Replace Engine #2 which is a 2005 American LaFrance. It will be approximately 15 years old at time of replacement.



Project Justification and/or Need: Fire engines are typically replaced between 15 and 20 years of use.

Project Impact/Benefit: A more reliable pumper would increase safety for both the firefighters that depend on it and to the citizens that are being served by the fire department.

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

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 – FY2025**
Project Title: **OVERHAUL ENGINE #1**

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



Total Project Cost: \$100,000

Project Description: Complete and thorough overhaul of Engine #1 to include engine, pumps, transmission, electrical, and suspension components. Unit will be approximately 18 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 20 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 \$1,500 per year.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Projects Identified – Municipal Parks

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

Parks	
Year 1 - FY2020	
Programmable Pavilion Sign	30,000
Riding Lawn Mower	9,000
Year 1 - FY2020 Total	39,000
Year 2 - FY2021	
Kenwood Parking Lot	60,000
Parking Lot Upgrades - Lake and Chestnut St.	35,000
Shoreline Stabilization	7,500
Year 2 - FY2021 Total	102,500
Year 3 - FY2022	
Riding Lawn Mower	9,000
Skate Park Equipment	40,000
Walkway Bridge Gazebo	25,000
Year 3 - FY2022 Total	74,000
Year 4 - FY2023	
Playground Equipment	25,000
Year 4 - FY2023 Total	25,000
Year 5 - FY2024	
Riding Lawn Mower	9,000
Year 5 - FY2024 Total	9,000
Parks Total	249,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **PROGRAMMABLE PAVILION SIGN**

First Year in CIP: 2016
Project Category: Improvements
Department: Municipal Parks

Total Project Cost: \$30,000

Project Description: Retrofit existing pavilion sign to a programmable electronic sign.

Project Justification and/or Need: Upgrade would allow a larger message to be placed on the sign and updating the message would be more efficient.

Project Impact/Benefit: Better information disseminated to community.

Operating Fund Impact: Increase electric expense \$500 per year, but increases would be offset by higher efficiency in changing sign messaging.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2014
Project Category: Equipment Replacement
Department: Municipal Parks

Total Project Cost: \$9,000

Project Description: Riding lawn mowers are used almost daily during the mowing season. Reliable equipment is essential to properly maintain the city parks. The City currently uses Exmark brand mowers, but they will no longer make this model.

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 mower with hydrostatic drive and a 52-inch floating deck 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	\$9,000
Total	<u>\$9,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
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>



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2016
Project Category: Equipment Replacement
Department: Municipal Parks

Total Project Cost: \$9,000

Project Description: Riding lawn mowers are used almost daily during the mowing season. Reliable equipment is essential to properly maintain the city parks. The City currently uses Exmark brand mowers, but they will no longer make this model.

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 mower with hydrostatic drive and a 52-inch floating deck 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	\$9,000
Total	\$9,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
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	\$40,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 – FY2023**
Project Title: **PLAYGROUND EQUIPMENT**

First Year in CIP: 2018
Project Category: Improvements
Department: Municipal Parks

Total Project Cost: \$25,000

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	\$25,000
Total	\$25,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 – FY2024**
Project Title: **RIDING LAWN MOWER**

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

Total Project Cost: \$9,000

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 mower with hydrostatic drive and a 52-inch floating deck 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	\$9,000
Total	\$9,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Projects Identified – Major Streets

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

Major Street	
Year 1 - FY2020	
Carmel Street (Cobbs to Stimson)	222,500
Year 1 - FY2020 Total	222,500
Year 2 - FY2021	
W. Division Street (Leeson to Boon)	317,500
North Boulevard (M-115 to Curve)	140,000
Year 2 - FY2021 Total	457,500
Year 3 - FY2022	
North Boulevard (Shoreline)	280,000
Chestnut Street (Linden to Leeson)	700,000
Year 3 - FY2022 Total	980,000
Year 4 - FY2023	
Linden Street (W. Division to Arthur)	116,500
Year 4 - FY2023 Total	116,500
Year 5 - FY2024	
North Boulevard (Curve to Kenwood Park)	342,000
Year 5 - FY2024 Total	342,000
Major Street Total	2,118,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **CARMEL STREET**

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

Total Project Cost: \$222,500



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	\$222,500
Total	\$222,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
Project Title: **W. DIVISION STREET**

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

Total Project Cost: \$317,500



Project Description: Remove and replace a section of W. Division Street from Leeson Avenue to Boon 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:

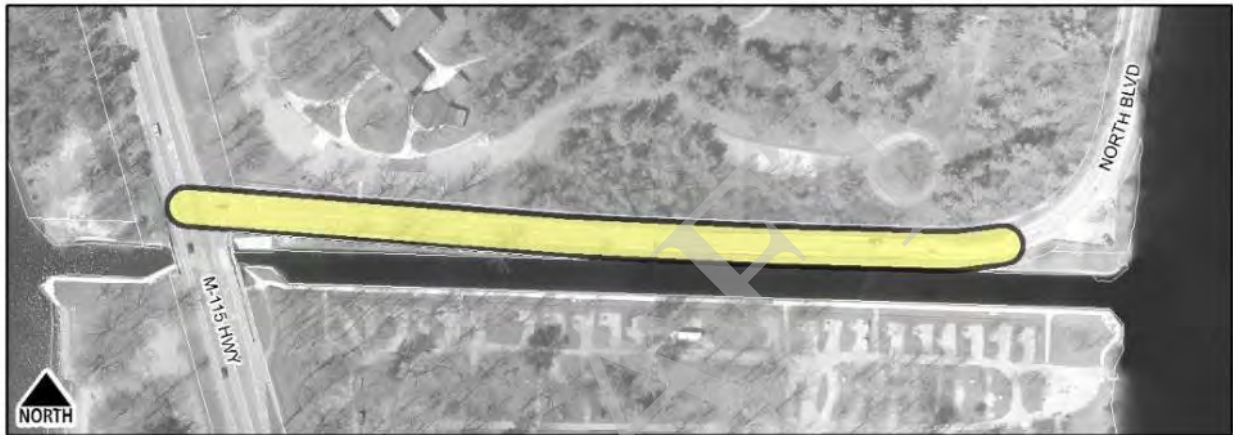
<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$317,500
Total	\$317,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
Project Title: **NORTH BOULEVARD**

First Year in CIP: 2014
Project Category: Infrastructure Reconstruction
Department: Major Street

Total Project Cost: \$140,000



Project Description: Remove and replace a section of North Boulevard from M-115 to the curve at the end of the canal.

Project Justification and/or Need: The existing street will be removed and replaced with 3" of hot mixed asphalt. The streets with the lowest ratings are the highest priority for repair. Currently this street has a rating of 2 out of 10. This project will replace 1,500 feet of street at an estimated cost of \$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:

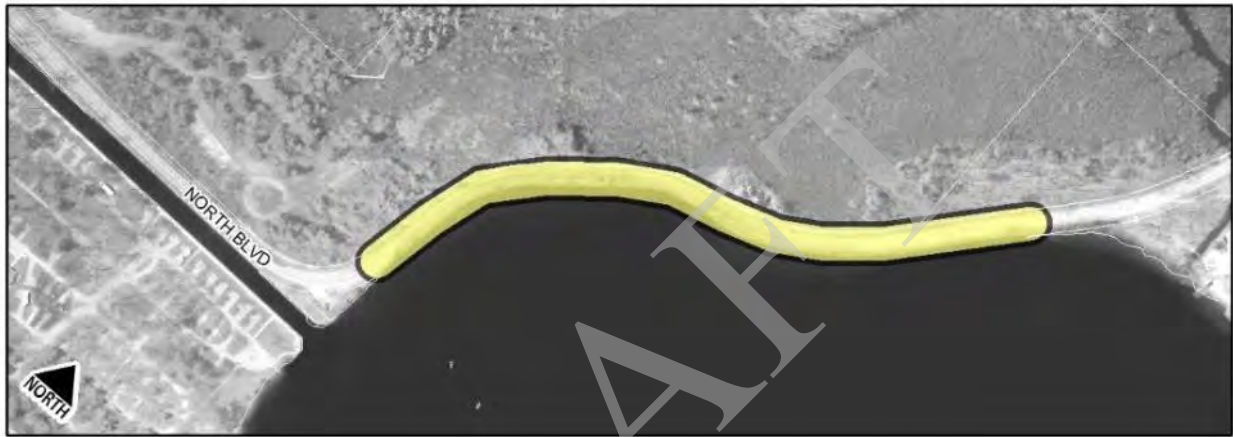
<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$140,000
Total	\$140,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **NORTH BOULEVARD**

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

Total Project Cost: \$280,000



Project Description: Shoreline Stabilization.

Project Justification and/or Need: Project will be a major fix to protect the shoreline in order to stabilize the roadway.

Project Impact/Benefit: Major enhancement to stability of roadway along the Lake Cadillac shoreline.

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	\$280,000
Total	<u>\$280,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **CHESTNUT STREET**

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

Total Project Cost: \$700,000



Project Description: Remove and replace a section of Chestnut Street from Linden Street to Leeson Street.

Project Justification and/or Need: The existing street will be removed and replaced with 3” of hot mixed asphalt. The streets with the lowest ratings are the highest priority for repair. Currently this street has a rating of **2 out of 10**. This project will replace 2,600 feet of street, curb and gutter at an estimated cost of \$270 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	\$325,000
MDOT Small Urban Grant	375,000
Total	\$700,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 – FY2023**
Project Title: **LINDEN STREET**

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

Total Project Cost: \$116,500



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:

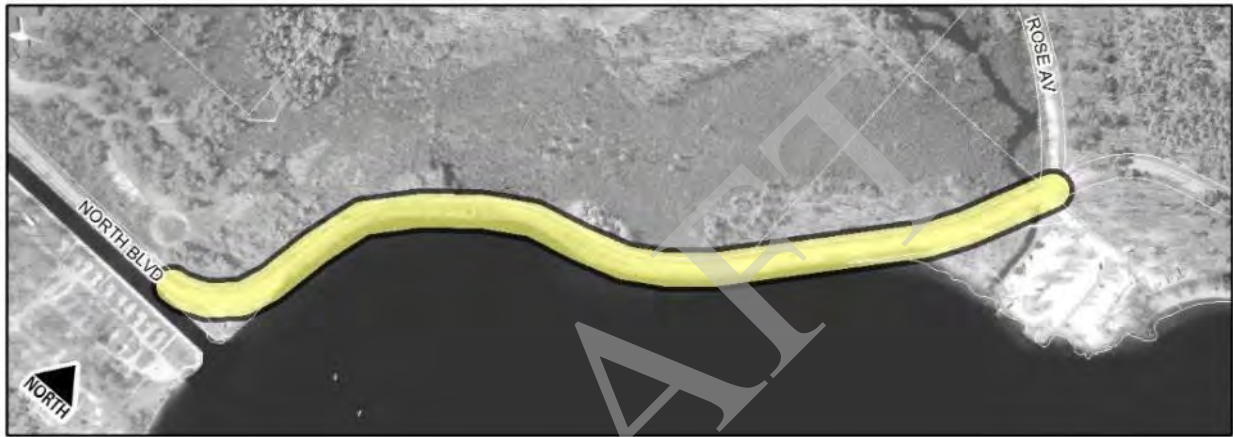
<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$116,500
Total	\$116,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 – FY2024**
Project Title: **NORTH BOULEVARD**

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

Total Project Cost: \$342,000



Project Description: Remove and replace a section of North Boulevard from curve at the canal to Rose Street at Kenwood Park, including HMA paving with minor Subgrade Undercutting.

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 2,276 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	\$342,000
Total	\$342,000

MAJOR STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Projects Identified – Local Streets

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

Local Street	
Year 1 - FY2020	
Aldrich Street (Bond to Linden)	200,000
Mason Street (Mitchell to Parking Lot)	46,500
Crippen Street (Mitchell to Hemlock)	242,500
Evart Street (Cedar to Lester)	179,000
Simons Street (Pine to Bremer)	94,000
Street Sign Replacement	7,500
Year 1 - FY2020 Total	769,500
Year 2 - FY2021	
Ayers Street (Wheeler to Plett)	128,500
Burlingame Street (13th to Ford)	217,000
Year 2 - FY2021 Total	345,500
Year 3 - FY2022	
Crestview Street	78,500
Stimson Street	109,000
Evart Street	82,500
Year 3 - FY2022 Total	270,000
Year 4 - FY2023	
Warbler Lane (Paluster to Cardinal)	67,000
Cardinal Drive (Warbler to Crosby)	61,000
Hemlock Street (Pine to Washington)	31,500
Lincoln Street (Hemlock to May)	22,000
Simons Street (Mason to Cass)	104,000
Year 4 - FY2023 Total	285,500
Year 5 - FY2024	
Blodgett Street (Lincoln to Washington)	39,000
Delmar Street (Chapin to E. Division)	43,500
Elmer Street (Waldo to Linden)	322,000
Year 5 - FY2024 Total	404,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Year 6 - FY2025	
Lester Street (Cobbs to Howard)	400,000
Wheeler Street (Ayer to Smith)	60,000
Year 6 - FY2025 Total	460,000
Local Street Total	2,535,000

DRAFT

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **ALDRICH STREET**

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

Total Project Cost: \$200,000



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	\$200,000
Total	\$200,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **MASON STREET**

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

Total Project Cost: \$46,500



Project Description: Remove and replace a section of Mason Street from Mitchell Street to the parking lot, including crushing and shaping existing HMA, 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 300 feet of street at an estimated cost of \$155 per foot. The street was last resurfaced 40 years ago.

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	\$46,500
Total	\$46,500

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **CRIPPEN STREET**

First Year in CIP: 2003
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$242,500



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:

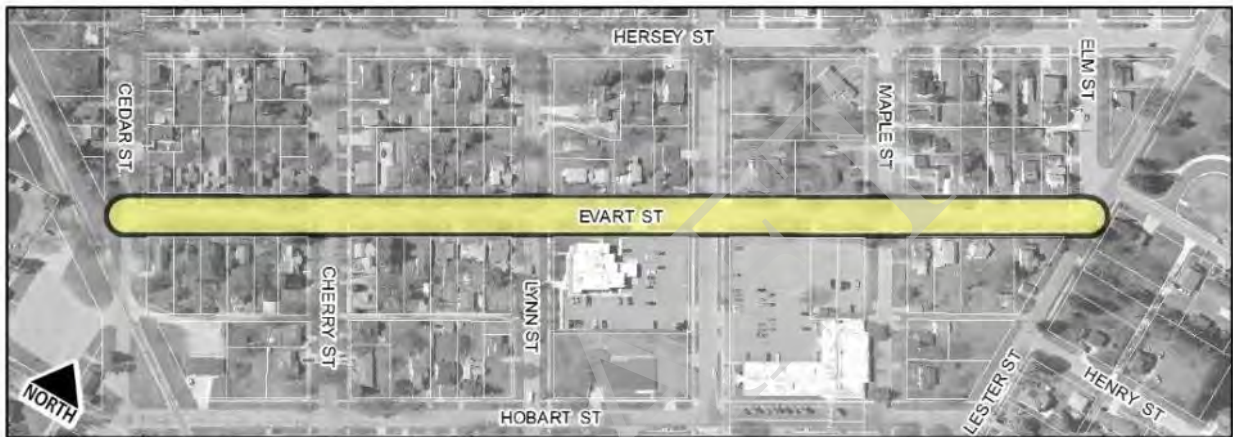
<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$242,500
Total	\$242,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **EVART STREET**

First Year in CIP: 2009
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$179,000



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

Project Justification and/or Need: This street has a current rating of 2 out of 10 and needs repair. This project will replace 1,529 feet of street at an estimated cost of \$120 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	\$179,000
Total	\$179,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **N. SIMONS STREET**

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

Total Project Cost: \$94,000



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	\$94,000
Total	\$94,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 - FY2020**
Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2015
Project Category: Signage Improvements
Department: Local Street

Total Project Cost: \$7,500

Project Description: Upgrade intersection street signs with newly designed signs.

Project Justification and/or Need: Existing street signs are white 4-inch lettering on a green background. Many of these signs have become faded over the years and need to be replaced as part of the routine maintenance program. The intent of this program is to design a street sign that blends with the existing “Way-Finding” signs. Initially there were 244 local street intersections that needed replaced. Project is nearing completion.

Project Impact/Benefit: Enhanced appearance and consistency of signage throughout the City.

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>
Motor Vehicle Highway Funds	\$7,500
Total	\$7,500



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
Project Title: **AYERS STREET**

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

Total Project Cost: \$128,500



Project Description: Remove and replace a section of Ayers 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	\$128,500
Total	\$128,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
Project Title: **BURLINGAME STREET**

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

Total Project Cost: \$217,000



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	\$217,000
Total	\$217,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **CRESTVIEW STREET**

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

Total Project Cost: \$78,500



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	\$78,500
Total	\$78,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **STIMSON STREET**

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

Total Project Cost: \$109,000



Project Description: Remove and replace a section of Stimson Street from Carmel Street to Warren street, including crushing and shaping existing HMA, HMA paving, ADA Sidewalk ramp upgrades, Sanitary Sewer and Watermain upgrades.

Project Justification and/or Need: These streets have a rating of 2 out of 10 and are in need of repair. This project will replace 1,357 feet of street at an estimated cost of \$80 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:

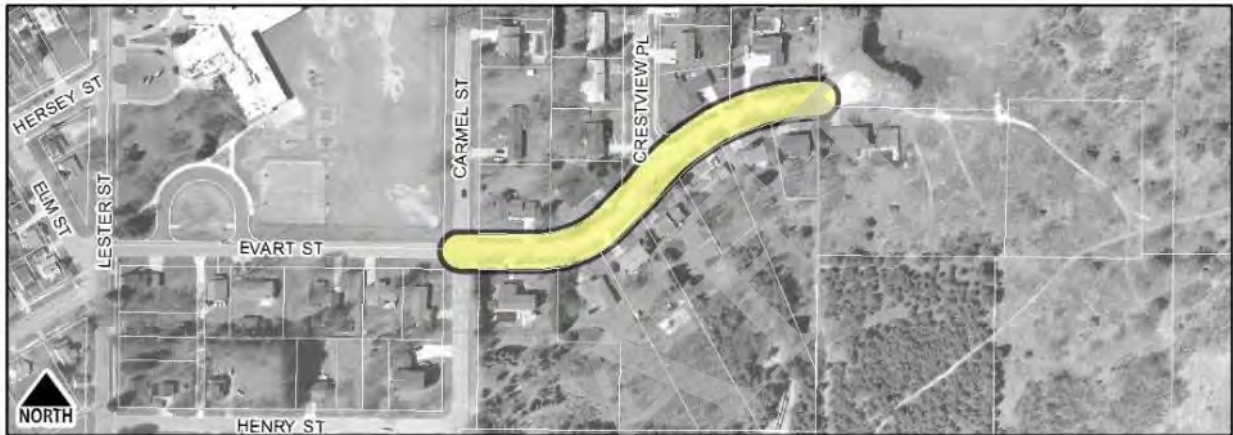
<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$109,000
Total	\$109,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **EVART STREET**

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

Total Project Cost: \$82,500



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	\$82,500
Total	\$82,500

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 – FY2023**
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, 2020-2025

Program Fiscal Year: **YEAR 4 – FY2023**
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:

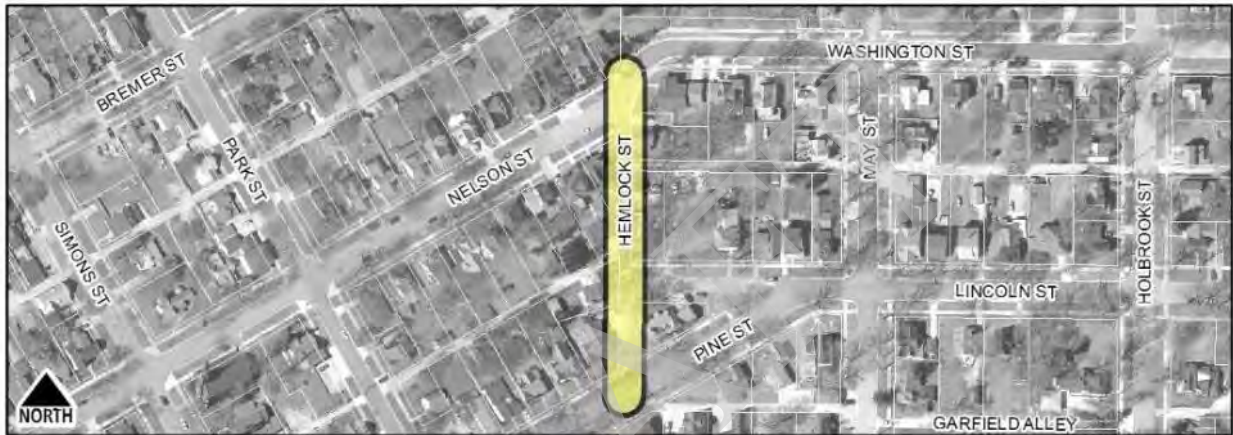
<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$61,000
Total	\$61,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 – FY2023**
Project Title: **HEMLOCK STREET**

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

Total Project Cost: \$31,500



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	\$31,500
Total	\$31,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 – FY2023**
Project Title: **LINCOLN STREET**

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

Total Project Cost: \$22,000



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	\$22,000
Total	\$22,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 – FY2023**
Project Title: **SIMONS STREET**

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

Total Project Cost: \$104,000



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	\$104,000
Total	\$104,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 – FY2024**
Project Title: **BLODGETT STREET**

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

Total Project Cost: \$39,000



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	\$39,000
Total	\$39,000

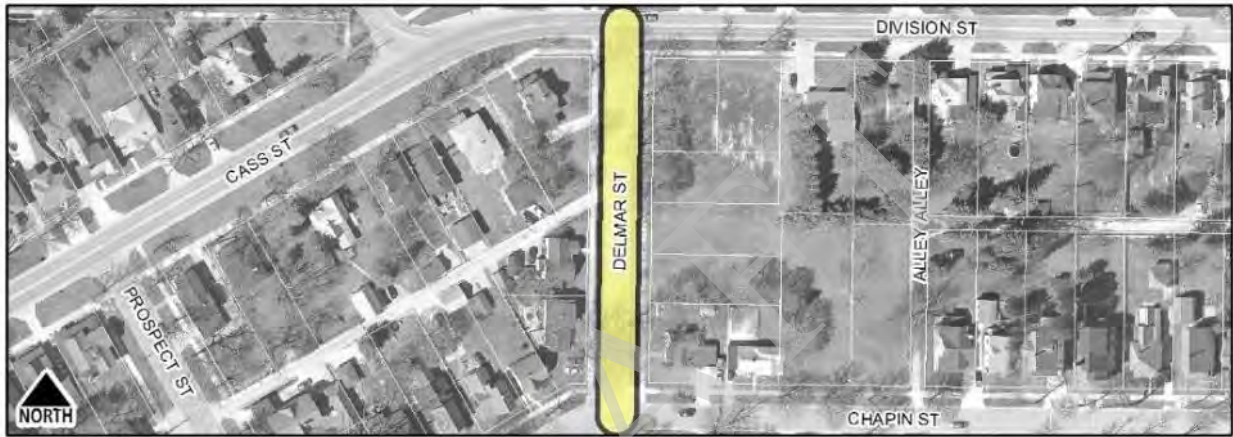
CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 – FY2024**

Project Title: **DELMAR STREET**

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

Total Project Cost: \$43,500



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	\$43,500
Total	\$43,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 – FY2024**
Project Title: **ELMER STREET**

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

Total Project Cost: \$322,000



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	\$322,000
Total	\$322,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 – FY2025**
Project Title: **LESTER STREET**

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

Total Project Cost: \$400,000



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	\$400,000
Total	\$400,000

LOCAL STREETS

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 – FY2025**
Project Title: **WHEELER STREET**

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

Total Project Cost: \$60,000



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	\$60,000
Total	\$60,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Projects Identified – Cemetery Operating

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

Cemetery	
Year 2 - FY2021	
Sprinkler System Upgrade	15,000
Year 2 - FY2021 Total	15,000
Year 3 - FY2022	
Cemetery Road Paving	40,000
Riding Lawn Mower	9,000
Year 3 - FY2022 Total	49,000
Year 4 - FY2023	
Maintenance Garage	100,000
Year 4 - FY2023 Total	100,000
Year 5 - FY2024	
Entrance Pillars	50,000
Year 5 - FY2024 Total	50,000
Year 6 - FY2025	
Riding Lawn Mower	10,000
Year 6 - FY2025 Total	10,000
Cemetery Total	224,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
Project Title: **SPRINKLER SYSTEM ENHANCEMENTS**

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

Total Project Cost: \$15,000

Project Description: Install irrigation well and pump to supply water for cemetery.

Project Justification and/or Need: Installing a well at the cemetery would 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	\$15,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **CEMETERY ROAD PAVING**

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

Total Project Cost: \$40,000

Project Description: A portion of the cemetery road system will be repaved.

Project Justification and/or Need: The road system in the cemetery is in need of repaving, and the remaining portion of gravel road needs to be paved. It is planned to pave about 1/3 of the system with funds committed to this project.

Project Impact/Benefit: The age of existing paved roads and the need to pave existing gravel roads makes this a necessary 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>
Cemetery Operating Revenues	\$40,000
Total	<u>\$40,000</u>



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2013
Project Category: Equipment Replacement
Department: Cemetery

Total Project Cost: \$9,000

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

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 mower with hydrostatic drive and a 52-inch floating deck will enable the cemetery maintenance crew to beautifully maintain the City's cemetery with a high level of efficiency and productivity.

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	\$9,000
Total	\$9,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 - 2023**
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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 – FY2024**

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	<u>\$50,000</u>



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 – FY2025**
Project Title: **RIDING LAWN MOWER**

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

Total Project Cost: \$10,000

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

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 mower with hydrostatic drive and a 52-inch floating deck will enable the cemetery maintenance crew to beautifully maintain the City's cemetery with a high level of efficiency and productivity.

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	\$10,000
Total	\$10,000

CITY OF CADILLAC
Capital Improvement Program
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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 - FY2020	
Aldrich Street (Bond to Linden)	97,000
Mason Street (Mitchell to Parking Lot)	10,000
Crippen Street (Mitchell to Hemlock)	130,000
Evart Street (Cedar to Lester)	180,000
Simons Street (Pine to Bremer)	40,000
Carmel Street	50,000
Bio-Makeup Air/Furnace	25,000
Laboratory Incubators	8,000
Manhole Rehabilitation	25,000
Primary Drive Replacement/Renovation	45,000
RAS Pumps 1&2 Replacement	30,000
Secondary Drive Replacement/Renovation	60,000
South Shore Lift Station Building	8,000
Sunset/Lakeshore Main Replacement	20,000
Two (2) Service Trucks	55,000
Water Well Maintenance	25,000
Water Supply Improvements	8,000,000
Year 1 - FY2020 Total	8,808,000
Year 2 - FY2021	
W. Division Street	54,000
Ayer Street	25,000
Burlingame Street	148,000
3/4 Ton, 4X4 Service Truck	28,000
Aqua Disk Cloth	30,000
Autoclave Replacement	8,000
Major Building Exterior Repairs	175,000
Manhole Rehabilitation	25,000
Revolution Blower	200,000
Rotary Screw Compressor	12,500

CITY OF CADILLAC
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Spectrophotometer	7,500
Storage Barn	35,000
Ultraviolet Bulbs	40,000
Water Well Inspection	25,000
Year 2 - FY2021 Total	813,000

Year 3 - FY2022	
Crestview Street	64,000
Ewart Street (2)	80,000
Stimson Street	53,500
Chestnut Street	160,000
1/2 Ton Service Truck	27,000
1-Ton Service Truck with Plow and Hoist	45,000
Analytical Lab Balance	10,000
Gas Storage and Energy Production	600,000
Influent Screw Pump	140,000
Lab Counter Replacement	15,000
Manhole Rehabilitation	25,000
Portable Generator	60,000
Water Well Inspection	25,000
Year 3 - FY2022 Total	1,304,500

Year 4 - FY2023	
Linden Street	44,000
N. Simons Street	37,500
1/2 Ton Service Truck	25,000
Manhole Rehabilitation	25,000
Water Well Inspection	25,000
Visitor/Client Entrance - WWTP	95,000
Kubota Tractor	25,000
Submersible Hydraulic Pump	90,000
New Control Panel	100,000
Push Sewer Camera	13,500
Year 4 - FY2023 Total	480,000

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Year 5 - FY2024	
Elmer Street	76,000
1/2 Ton Service Truck	25,000
Manhole Rehabilitation	25,000
Water Well Inspection	25,000
Exterior Door/Window Replacement-WWTP	115,000
Piston Pump Replacement	25,000
Backhoe	110,000
LIMS/WIMS Software	75,000
Year 5 - FY2024 Total	476,000
Year 6 - FY2025	
Lester Street (Cobbs to Howard)	20,000
Two (2) Service Trucks	55,000
Type 1 Water System	15,000
Sewer Lining	500,000
Anaerobic Digester Cleaning	75,000
WWTP Hand Rail Replacement	100,000
Plant-Wide Phone System	18,000
Televised Inspection Trailer	225,000
Two (2) Riding Lawn Mowers	30,000
Year 6 - FY2025 Total	1,038,000
Water and Wastewater Total	12,919,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
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	\$97,000
Total	\$97,000

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Program Fiscal Year: **YEAR 1 - FY2020**
Project Title: **MASON STREET**

First Year in CIP: 2016
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 Mason Street located from Mitchell Street to the parking lot.

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
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	<u>\$130,000</u>

CITY OF CADILLAC
Capital Improvement Program
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Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **EVART STREET**

First Year in CIP: 2009
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$180,000



Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of Evart Street between Cedar Street and Lester 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	\$180,000
Total	\$180,000

CITY OF CADILLAC
Capital Improvement Program
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Program Fiscal Year: **YEAR 1 – FY2020**
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

CITY OF CADILLAC
Capital Improvement Program
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Program Fiscal Year: **YEAR 1 - FY2020**
Project Title: **CARMEL STREET**

First Year in CIP: 2014
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$50,000



Project Description: Replace 8" water main while the 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	\$50,000
Total	\$50,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 - FY2020**
Project Title: **BIO MAKEUP AIR/FURNACE**

First Year in CIP: 2015
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$25,000

Project Description: Replace make up air/furnace.

Project Justification and/or Need: The existing furnace is due for replacement.

Project Impact/Benefit: More dependable heating in the Bio building.

Operating Fund Impact: Reduce maintenance and energy consumption should save approximately \$500 per year.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
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Program Fiscal Year: **YEAR 1 - FY2020**
Project Title: **LABORATORY INCUBATORS**

First Year in CIP: 2015
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$8,000

Project Description: Replace two (2) laboratory incubators for certified drinking water laboratory.

Project Justification and/or Need: Two of the lab's incubators will be at least 20 years old at the time of replacement. Incubators need to have a very precise temperature range (35 +/- 0.5 degrees) in order to be acceptable for analysis of drinking water microbes. The older the incubator gets, the less precise the temperature.

Project Impact/Benefit: Accurate temperatures will help produce more accurate results for drinking water analysis of both public and private drinking water samples.

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

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 - FY2020**
Project Title: **MANHOLE REHABILITATION**

First Year in CIP: 2015
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$25,000

Project Description: Rehabilitate existing sanitary manholes with an epoxy spray liner to extend life. This will be an ongoing project where manholes in most urgent need of repair and rehabilitation will be identified and addressed as funding allows. It is estimated that each manhole will cost between \$2,500 and \$5,000 to rehabilitate.



Project Justification and/or Need: Rehabilitation of existing structures will ensure the structural integrity of aging manholes thereby preventing collapse and enhancing access and worker safety.

Project Impact/Benefit: Project will help reduce the number of sewer back-up claims and ensure compliance with all DEQ regulations.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year and reduce overtime calls and sewer claims.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 - FY2020**

Project Title: **PRIMARY DRIVE REPLACEMENT/RENOVATION**

First Year in CIP: 2015
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$45,000

Project Description: The existing drive is due for an upgrade, and the tanks are due for renovation and new coating.

Project Justification and/or Need: The primary tanks are the major part of the treatment process.

Project Impact/Benefit: Continue optimal treatment process at the plant.

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

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
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Program Fiscal Year: **YEAR 1 - FY2020**

Project Title: **RETURN ACTIVATED SLUDGE (RAS) 1&2 REPLACEMENT**

First Year in CIP: 2015
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$30,000

Project Description: The existing pump 1 and 2 are due for replacement.

Project Justification and/or Need: The pumps are a major component of the activated sludge process. Pumps 3 and 4 have been replaced, and pumps 1 and 2 will need replacement in near future

Project Impact/Benefit: Continue optimal treatment process at the plant.

Operating Fund Impact: Reduce maintenance costs up to \$1,000 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, 2020-2025

Program Fiscal Year: **YEAR 1 - FY2020**

Project Title: **SECONDARY DRIVE REPLACEMENT/RENOVATION**

First Year in CIP: 2015
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$60,000

Project Description: The existing drive is due for an upgrade, and the tanks are due for renovation and new coating.

Project Justification and/or Need: The secondary tanks are the major part of the treatment process.

Project Impact/Benefit: Continue optimal treatment process at the plant.

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

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 - FY2020**

Project Title: **SOUTH SHORE LIFT STATION BUILDING**

First Year in CIP: 2015
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$8,000

Project Description: Fiberglass building is in need of replacement.

Project Justification and/or Need: Enhance system security and operation.

Project Impact/Benefit: Security and protection of critical system equipment.

Operating Fund Impact: Reduce minor maintenance costs minimally.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 - FY2020**

Project Title: **SUNSET/LAKESHORE MAIN REPLACEMENT**

First Year in CIP: 2014
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$20,000

Project Description: Replace 4" cast iron main between Sunset and Lakeshore.

Project Justification and/or Need: The cast iron pipe is at the end of its useful life and has been causing water quality issues and complaints.

Project Impact/Benefit: Reduce the costly repairs that are associated with potential breaks in this line, while also enhancing water quality and service delivery to water customers in the area.

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

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 - FY2020**
Project Title: **TWO (2) SERVICE TRUCKS**

First Year in CIP: 2015
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$55,000

Project Description: Two service trucks will be in need of scheduled replacement at the end of their useful lives.

Project Justification and/or Need: Both vehicles will be approximately 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 \$2,000 per year.

Funding Source(s) for this Project:

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



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 - FY2020**
Project Title: **WATER WELL MAINTENANCE**

First Year in CIP: 2015
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$25,000

Project Description: Crosby Road well system will have been online for five (5) years. This project would be beginning of rotation of annual well inspections so that each well is inspected every 5-6 years. Inspection would cost an estimated \$10,000 with the remainder of project costs resulting from potential repairs or parts replacement.

Project Justification and/or Need: A 6-year inspection cycle insures that each well is regularly inspected for potential problems. This preventative maintenance schedule will improve the life cycle of the well system and insure that the wells are able to continually provide water to the system.



Project Impact/Benefit: Costly repairs can result from a failure to regularly engage in preventative maintenance activities with infrastructure assets like the City's well system.

Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year due and reduce chances for catastrophic failures or major repair costs.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020 (Multi-Year Project)**
Project Title: **WATER SUPPLY IMPROVEMENTS PHASE II**

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

Total Project Cost: \$8,000,000

Project Description: The wells used to supply water to City utility customers will be replaced. Pump controls and chlorination system will be replaced. New chemical feed buildings will be needed.



Project Details:	Phase II
Property Purchase	\$150,000
Planning & Engineering	750,000
Construction	6,100,000
Old Well Field Abandonment	700,000
Contingency	250,000
Legal & Professional	50,000
Total	\$8,000,000

Phase I of the project has been completed, with three new wells now online in the system. As planned, the City received assistance through the State of Michigan's Drinking Water Revolving Fund for the Phase I costs. This provided low-interest loan financing with a loan rate of 2.5%. It is expected that this same financing will be applied for to help finance Phase II. Initial planning and engineering for Phase II has begun.

Project Justification and/or Need: Current wells are 50 years old. New sources of water will provide system reliability, and new equipment will ensure stability and reliability in water delivery. Phase I of the project was for funded through the DWRF program. Phase I reflects the costs of installing a system of three production wells on the new site located on Crosby Road. Additional sites are being pursued and analyzed for completion of Phase II of the system.

Project Impact/Benefit: Project will enhance long-term stability and reliability of water quality and the water delivery system.

Operating Fund Impact: Annual maintenance costs may increase by several thousand dollars per year depending on the option that the City moves forward with. However, lower repair costs should offset the increase.

Multi-Year Project Details:

	<u>Prior</u>	<u>2020-21</u>	<u>Total</u>
Project Costs (See Detail Above)	\$750,000	\$7,250,000	\$8,000,000
Funding Sources			
Low Interest Loan (DWRF/USDA)	\$500,000	\$3,000,000	\$3,500,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
Project Title: **AYER STREET**

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

Total Project Cost: \$25,000



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	\$25,000
Total	\$25,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
Project Title: **¾-TON, 4X4 SERVICE TRUCK**

First Year in CIP: 2016
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$28,000

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	\$28,000
Total	\$28,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
Project Title: **AQUA DISK REPAIRS**

First Year in CIP: 2016
Project Category: Equipment Repair/Replacement
Department: Water and Wastewater

Total Project Cost: \$30,000

Project Description: Replace old Aqua Disk Cloth.

Project Justification and/or Need: Aqua Disk cloths have a finite useful life and need to be replaced based on schedule.

Project Impact/Benefit: New cloth will provide better filtration and yield cleaner effluent.

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



Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
Project Title: **AUTOCLAVE REPLACEMENT**

First Year in CIP: 2016
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$8,000

Project Description: Replace the autoclave in the laboratory.

Project Justification and/or Need: Current unit is ten years old and has had many issues resulting in costly repairs, including shipment out of state since there are no qualified service technicians available locally.

Project Impact/Benefit: Glassware needs to be sterile for proper sample analysis per the City's NPDES permit. Positive bacteriological samples need to be disposed of properly for employee and public safety.

Operating Fund Impact: Reduce repair and maintenance costs, including shipping by approximately \$500 per year.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**

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	<u>\$175,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
Project Title: **MANHOLE REHABILITATION**

First Year in CIP: 2016
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$25,000

Project Description: Rehabilitate existing sanitary manholes with an epoxy spray liner to extend life. This will be an ongoing project where manholes in most urgent need of repair and rehabilitation will be identified and addressed as funding allows. It is estimated that each manhole will cost between \$2,500 and \$5,000 to rehabilitate.



Project Justification and/or Need: Rehabilitation of existing structures will ensure the structural integrity of aging manholes thereby preventing collapse and enhancing access and worker safety.

Project Impact/Benefit: Project will help reduce the number of sewer back-up claims and ensure compliance with all DEQ regulations.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year and reduce overtime calls and sewer claims.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
Project Title: **REVOLUTION BLOWER**

First Year in CIP: 2016
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$200,000

Project Description: Install an energy efficient Revolution Blower to replace aging centrifugal blower.

Project Justification and/or Need: Current blowers have a very high cost of operation. The revolution blower has an estimated 2-year payback on electrical costs due to the built-in variable flow drive (VFD) and single paddle design.

Project Impact/Benefit: Increase efficiency of air production with considerably less noise.

Operating Fund Impact: Reduced maintenance, reduced electrical costs.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$200,000
Total	<u>\$200,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
Project Title: **ROTARY SCREW COMPRESSOR**

First Year in CIP: 2016
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$12,500

Project Description: Replace existing single stage compressors with new rotary screw compressor.

Project Justification and/or Need: Compressed air is required in the wastewater treatment process. Rotary screw compressors are more efficient to operate.

Project Impact/Benefit: Replacement will enhance safety, reduce plant noise levels, and enhance operational efficiency.

Operating Fund Impact: Reduced maintenance and electrical usage could provide an estimated annual cost savings of \$500.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$12,500
Total	<u>\$12,500</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
Project Title: **SPECTROPHOTOMETER**

First Year in CIP: 2016
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$7,500

Project Description: Replace UV/Vis spectrophotometer in laboratory.

Project Justification and/or Need: Current unit is 10-15 years old and will have maintenance issues as it ages.

Project Impact/Benefit: This equipment is used for phosphorous and nitrite analysis. Correct phosphorous analysis allows staff to know how much phosphorous is being released to the environment in conjunction with the city's discharge permit. Proper nitrite analysis allows homeowners to be confident that the water delivered to their home is safe for consumption.

Operating Fund Impact: Reduce maintenance costs by approximately \$500 per year. Proper analysis helps avoid fines related to discharge permit violations. Machine downtime could also result in the loss of contract laboratory revenue.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
Project Title: **STORAGE BARN**

First Year in CIP: 2016
Project Category: Building Construction
Department: Water and Wastewater

Total Project Cost: \$35,000

Project Description: Construct new storage building to replace old shed that is undersized and aging.

Project Justification and/or Need: New storage building will provide covered storage for equipment and supplies.

Project Impact/Benefit: Additional storage will aid in prolonging the life of equipment and supplies.

Operating Fund Impact: Reduced equipment maintenance and scrapping damaged supplies could provide an estimated \$500 to \$1,000 in cost savings per year.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
Project Title: **ULTRAVIOLET BULBS**

First Year in CIP: 2016
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$40,000

Project Description: Replace quartz tubes and ultraviolet bulbs in the wastewater treatment plant's ultraviolet (UV) disinfection system.

Project Justification and/or Need: UV bulbs lose intensity over time and won't achieve recommended disinfection. The quartz tubes that encase the bulbs become stained and scratched and lose the transmittance needed for proper disinfection.

Project Impact/Benefit: Improved disinfection will help improve effluent quality.

Operating Fund Impact: Reduce maintenance costs by approximately \$1,000.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 - FY2021**
Project Title: **WATER WELL MAINTENANCE**

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

Total Project Cost: \$25,000

Project Description: Crosby Road well system will have been online for five (5) years. This project would be beginning of rotation of annual well inspections so that each well is inspected every 5-6 years. Inspection would cost an estimated \$10,000 with the remainder of project costs resulting from potential repairs or parts replacement.

Project Justification and/or Need: A 6-year inspection cycle insures that each well is regularly inspected for potential problems. This preventative maintenance schedule will improve the life cycle of the well system and insure that the wells are able to continually provide water to the system.



Project Impact/Benefit: Costly repairs can result from a failure to regularly engage in preventative maintenance activities with infrastructure assets like the City's well system.

Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year due and reduce chances for catastrophic failures or major repair costs.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**
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:

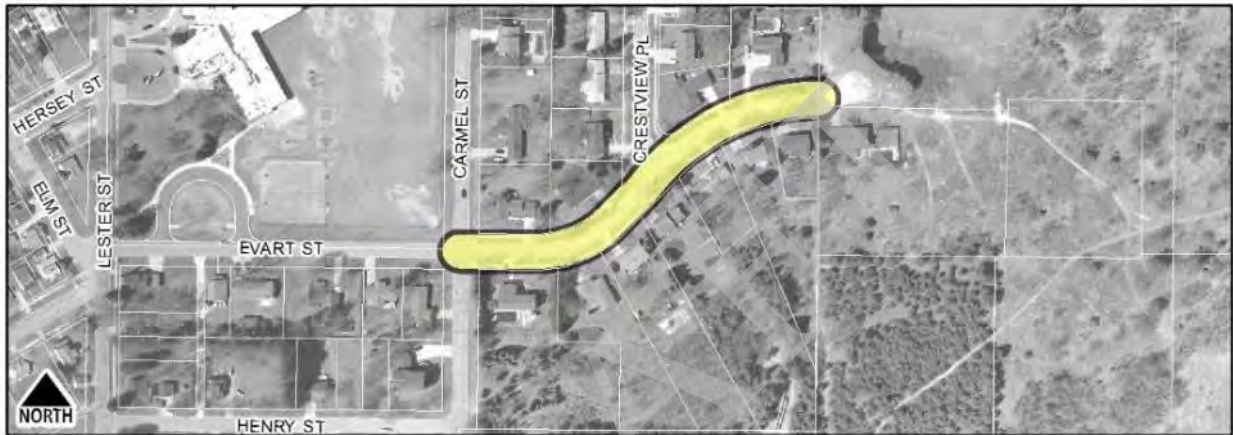
<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$64,000
Total	\$64,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**
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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**
Project Title: **STIMSON STREET**

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

Total Project Cost: \$53,500



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	\$53,500
Total	\$53,500

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **CHESTNUT STREET**

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

Total Project Cost: \$160,000



Project Description: Replace underground water and sewer infrastructure 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	\$160,000
Total	<u>\$160,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**
Project Title: **1/2-TON, 4X4 SERVICE TRUCK**

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

Total Project Cost: \$27,000

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	\$27,000
Total	\$27,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**

Project Title: **1-TON, 4X4 SERVICE TRUCK WITH PLOW AND HOIST**

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

Total Project Cost: \$45,000

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	\$45,000
Total	\$45,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**
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	<u>\$10,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**

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	<u>\$600,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**
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	<u>\$140,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**
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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**
Project Title: **MANHOLE REHABILITATION**

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

Total Project Cost: \$25,000

Project Description: Rehabilitate existing sanitary manholes with an epoxy spray liner to extend life. This will be an ongoing project where manholes in most urgent need of repair and rehabilitation will be identified and addressed as funding allows. It is estimated that each manhole will cost between \$2,500 and \$5,000 to rehabilitate.



Project Justification and/or Need: Rehabilitation of existing structures will ensure the structural integrity of aging manholes thereby preventing collapse and enhancing access and worker safety.

Project Impact/Benefit: Project will help reduce the number of sewer back-up claims and ensure compliance with all DEQ regulations.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year and reduce overtime calls and sewer claims.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - 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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 - FY2022**
Project Title: **WATER WELL MAINTENANCE**

First Year in CIP: 2017
Project Category: Infrastructure Repair
Department: Water and Wastewater

Total Project Cost: \$25,000

Project Description: Crosby Road well system will have been online for five (5) years. This project would be beginning of rotation of annual well inspections so that each well is inspected every 5-6 years. Inspection would cost an estimated \$10,000 with the remainder of project costs resulting from potential repairs or parts replacement.

Project Justification and/or Need: A 6-year inspection cycle insures that each well is regularly inspected for potential problems. This preventative maintenance schedule will improve the life cycle of the well system and insure that the wells are able to continually provide water to the system.



Project Impact/Benefit: Costly repairs can result from a failure to regularly engage in preventative maintenance activities with infrastructure assets like the City's well system.

Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year due and reduce chances for catastrophic failures or major repair costs.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 - FY2023**
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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 - FY2023**
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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 - 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: \$25,000

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	\$25,000
Total	\$25,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 - FY2023**
Project Title: **MANHOLE REHABILITATION**

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

Total Project Cost: \$25,000

Project Description: Rehabilitate existing sanitary manholes with an epoxy spray liner to extend life. This will be an ongoing project where manholes in most urgent need of repair and rehabilitation will be identified and addressed as funding allows. It is estimated that each manhole will cost between \$2,500 and \$5,000 to rehabilitate.



Project Justification and/or Need: Rehabilitation of existing structures will ensure the structural integrity of aging manholes thereby preventing collapse and enhancing access and worker safety.

Project Impact/Benefit: Project will help reduce the number of sewer back-up claims and ensure compliance with all DEQ regulations.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year and reduce overtime calls and sewer claims.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 - FY2023**
Project Title: **WATER WELL MAINTENANCE**

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

Total Project Cost: \$25,000

Project Description: Crosby Road well system will have been online for five (5) years. This project would be beginning of rotation of annual well inspections so that each well is inspected every 5-6 years. Inspection would cost an estimated \$10,000 with the remainder of project costs resulting from potential repairs or parts replacement.

Project Justification and/or Need: A 6-year inspection cycle insures that each well is regularly inspected for potential problems. This preventative maintenance schedule will improve the life cycle of the well system and insure that the wells are able to continually provide water to the system.



Project Impact/Benefit: Costly repairs can result from a failure to regularly engage in preventative maintenance activities with infrastructure assets like the City's well system.

Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year due and reduce chances for catastrophic failures or major repair costs.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 - FY2023**

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 - 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	<u>\$25,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 - 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>



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 - 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 Plan 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	<u>\$100,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 - 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>



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 - FY2024**
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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 - 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: \$25,000

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	\$25,000
Total	\$25,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 - FY2024**
Project Title: **MANHOLE REHABILITATION**

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

Total Project Cost: \$25,000

Project Description: Rehabilitate existing sanitary manholes with an epoxy spray liner to extend life. This will be an ongoing project where manholes in most urgent need of repair and rehabilitation will be identified and addressed as funding allows. It is estimated that each manhole will cost between \$2,500 and \$5,000 to rehabilitate.



Project Justification and/or Need: Rehabilitation of existing structures will ensure the structural integrity of aging manholes thereby preventing collapse and enhancing access and worker safety.

Project Impact/Benefit: Project will help reduce the number of sewer back-up claims and ensure compliance with all DEQ regulations.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year and reduce overtime calls and sewer claims.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 - FY2024**
Project Title: **WATER WELL MAINTENANCE**

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

Total Project Cost: \$25,000

Project Description: Crosby Road well system will have been online for five (5) years. This project would be beginning of rotation of annual well inspections so that each well is inspected every 5-6 years. Inspection would cost an estimated \$10,000 with the remainder of project costs resulting from potential repairs or parts replacement.

Project Justification and/or Need: A 6-year inspection cycle insures that each well is regularly inspected for potential problems. This preventative maintenance schedule will improve the life cycle of the well system and insure that the wells are able to continually provide water to the system.



Project Impact/Benefit: Costly repairs can result from a failure to regularly engage in preventative maintenance activities with infrastructure assets like the City's well system.

Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year due and reduce chances for catastrophic failures or major repair costs.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 - FY2024**

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>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 - 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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 - FY2024**
Project Title: **BACKHOE**

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

Total Project Cost: \$110,000

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	\$110,000
Total	\$110,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 - FY2024**
Project Title: **LIMS/WIMS SOFTWARE**

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

Total Project Cost: \$75,000

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

Project Justification and/or Need: Reducing manual entry. 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; leads to more defensible data and increased accuracy. In turn, this leads to increased confidence in our environmental stewardship.

Operating Fund Impact: Payback period is typically 1-3 years. Increase throughput and reduced duplication of efforts enhances productivity.

Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 – FY2025**
Project Title: **LESTER STREET**

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

Total Project Cost: \$20,000



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 Howard 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	\$20,000
Total	\$20,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 - FY2025**
Project Title: **TWO (2) SERVICE TRUCKS**

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

Total Project Cost: \$55,000

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	\$55,000
Total	\$55,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 - 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>



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 - 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	<u>\$500,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 - 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



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 - FY2025**
Project Title: **WWTP HAND RAIL REPLACEMENT**

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

Total Project Cost: \$100,000

Project Description: Hand rail 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



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 - FY2025**
Project Title: **PLANT-WIDE PHONE SYSTEM**

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

Total Project Cost: \$18,000

Project Description: Phone system plant-wide, with paging capacity, voice mail and answering in various locations within plant grounds.

Project Justification and/or Need: The existing phone is available only in plant offices and not other buildings like the maintenance shop and Bio building.

Project Impact/Benefit: Enhance communications between various buildings on the campus of the plant, additional safety of workers at remote buildings around the plant.

Operating Fund Impact: No significant impact.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$18,000
Total	<u>\$18,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 - 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



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 - 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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Projects Identified – Stores and Garage

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

Department of Public Works	
Year 1 - FY2020	
Dual Wheel 29' Bucket Truck	65,000
Front-End Loader	110,000
Single Axle Blade Truck w/Reversing Plow	160,000
Year 1 - FY2020 Total	335,000
Year 2 - FY2021	
1-Ton Dump Truck	50,000
Four Post Column Lift	35,000
Riding Lawn Mower	10,000
Single Axle Blade Truck w/Reversing Plow	160,000
Year 2 - FY2021 Total	255,000
Year 3 - FY2022	
3/4-Ton 4X4 Pickup Truck	30,000
Year 3 - FY2022 Total	30,000
Year 4 - FY2023	
3/4-Ton 4X4 Pickup Truck	30,000
Alley Tractor	45,000
Year 4 - FY2023 Total	75,000
Year 5 - FY2024	
1-Ton Dump Truck	50,000
Year 5 - FY2024 Total	50,000
Department of Public Works Total	745,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **DUAL WHEEL 29' BUCKET TRUCK**

First Year in CIP: 2015
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$65,000

Project Description:

Project Justification and/or Need:

Project Impact/Benefit:

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	\$65,000
Total	<u>\$65,000</u>



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **FRONT-END LOADER**

First Year in CIP: 2019
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$110,000

Project Description: Purchase Volvo loader that will come off lease in March 2020.

Project Justification and/or Need: Volvo loader is a 2015 model with just over 1000 hours of use. When the lease is up in March 2020 the unit will have an estimated value of \$130,000 or more based on current market prices of lightly used loaders. The City will be able to purchase the loader for \$110,000.



Project Impact/Benefit: Ensure ongoing efficiency of snow removal and other Street Department maintenance activities.

Operating Fund Impact: Slight increase in maintenance costs by \$2,000 per year as it will be completely non-warranted once purchased.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$110,000
Total	\$110,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **SINGLE AXLE BLADE TRUCK**

First Year in CIP: 2010
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$160,000

Project Description: Plow trucks typically remain in service for 10 years. This project will replace a 10-year old truck. Final cost represents purchase price less an estimated \$10,000 trade-in of current truck. The current box and certain related equipment will be refurbished and mounted to new chassis.

Project Justification and/or Need: The existing blade truck that is scheduled to be replaced is 10 years old. Increased maintenance costs are incurred as the trucks age, therefore a regular replacement schedule is prudent. Replacement also helps to increase reliability and reduce downtime, both critical factors during winter snow removal months.



Project Impact/Benefit: Efficiency of winter maintenance activities will be maintained.

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	\$160,000
Total	\$160,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
Project Title: **1-TON DUMP TRUCK**

First Year in CIP: 2016
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$50,000

Project Description: Replace current dump truck.

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 \$500 per year and reduce downtime.

Funding Source(s) for this Project:

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



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
Project Title: **FOUR POST COLUMN LIFT**

First Year in CIP: 2016
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



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2008
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$10,000

Project Description: Riding lawn mowers are used almost daily during the mowing season to mow city property and for grass and weed orders.

Project Justification and/or Need: Current unit is fifteen 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.

Project Impact/Benefit: A new mower with hydrostatic drive and a 52-inch floating deck will enable the street department maintenance crew to maintain city property with a high level of efficiency and productivity.

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



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
Project Title: **SINGLE AXLE BLADE TRUCK**

First Year in CIP: 2015
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$160,000

Project Description: Plow trucks typically remain in service for 10 years. This project will replace a 10-year old truck. Final cost represents purchase price less an estimated \$10,000 trade-in of current truck. The current box and certain related equipment will be refurbished and mounted to new chassis.



Project Justification and/or Need: The existing blade truck that is scheduled to be replaced is 10 years old. Increased maintenance costs are incurred as the trucks age, therefore a regular replacement schedule is prudent. Replacement also helps to increase reliability and reduce downtime, both critical factors during winter snow removal months.

Project Impact/Benefit: Efficiency of winter maintenance activities will be maintained.

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	\$160,000
Total	\$160,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **¾-TON 4X4 PICKUP TRUCK**

First Year in CIP: 2016
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$30,000

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 \$2,500 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, 2020-2025

Program Fiscal Year: **YEAR 4 – FY2023**
Project Title: **¾-TON 4X4 PICKUP TRUCK**

First Year in CIP: 2017
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$30,000

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 \$2,500 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, 2020-2025

Program Fiscal Year: **YEAR 4 – FY2023**
Project Title: **ALLEY TRACTOR**

First Year in CIP: 2013
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$45,000

Project Description: Purchase a medium duty tractor with an adjustable Boss style plow. Tractor is used to plow alleys in winters and maintain gravel roads, alleys and shoulders in summer.

Project Justification and/or Need: This tractor is needed as the current one will be 15 years old and will need to be replaced as the tractor is used daily for completing street and alley maintenance.

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	\$45,000
Total	\$45,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 – FY2024**
Project Title: **1-TON DUMP TRUCK**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$50,000

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 \$500 per year and reduce downtime.



Funding Source(s) for this Project:

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

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Projects Identified – Information Technology

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

Information Technology	
Year 1 - FY2020	
Computer Replacement	20,000
IT Infrastructure	20,000
Wireless Project	50,000
Year 1 - FY2020 Total	90,000
Year 2 - FY2021	
Computer Replacement	20,000
Year 2 - FY2021 Total	20,000
Year 3 - FY2022	
Computer Replacement	20,000
IT Infrastructure	20,000
Year 3 - FY2022 Total	40,000
Year 4 - FY2023	
Computer Replacement	20,000
Year 4 - FY2023 Total	20,000
Year 5 - FY2024	
Computer Replacement	20,000
IT Infrastructure	20,000
Year 5 - FY2024 Total	40,000
Year 6 - FY2025	
Computer Replacement	20,000
IT Infrastructure	50,000
Year 6 - FY2025 Total	70,000
Information Technology Total	280,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2015
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 in order to avoid a huge one-year need.

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	\$20,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **IT INFRASTRUCTURE**

First Year in CIP: 2015
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	<u>\$20,000</u>



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**
Project Title: **WIRELESS PROJECT**

First Year in CIP: 2018
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$50,000

Project Description:

Project Justification and/or Need:

Project Impact/Benefit:

Operating Fund Impact:

Funding Source(s) for this Project:

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



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2016
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 in order to avoid a huge one-year need.

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	\$20,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2017
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 in order to avoid a huge one-year need.

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	\$20,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **IT INFRASTRUCTURE**

First Year in CIP: 2017
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	<u>\$20,000</u>



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 4 – 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 in order to avoid a huge one-year need.

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>



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 – 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 in order to avoid a huge one-year need.

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	\$20,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 5 – 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



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 – 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 in order to avoid a huge one-year need.

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	\$20,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 6 – FY2025**
Project Title: **IT INFRASTRUCTURE**

First Year in CIP: 2019
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	<u>\$20,000</u>



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Projects Identified – Community Development

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

Community Development	
Year 1 - FY2020	
Trailhead at Cadillac Commons	375,000
Year 1 - FY2020 Total	375,000
Year 3 - FY2022	
Carmel Street Sidewalk	75,000
Chestnut Street Sidewalk	75,000
Cobb Street Sidewalk	100,000
Pearl Street Sidewalk	100,000
Year 3 - FY2022 Total	350,000
Community Development Total	725,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 - FY2020**
Project Title: **TRAILHEAD AT CADILLAC COMMONS**

First Year in CIP: 2013
Project Category: Other Infrastructure
Department: Community Development

Total Project Cost: \$375,000

Project Description: The White Pine Trail will be extended from its current terminus to a new trailhead in downtown Cadillac. Improvements to public facilities at or near the new trailhead may also be necessary.

Project Justification and/or Need: Presently, the White Pine Trail ends at the intersection of South and Lake Streets. From there, users of the trail are left to determine how to get to the community's downtown landmarks and businesses. The trailhead should also be located near public restrooms and other facilities which are not present at the existing trailhead.



Project Impact/Benefit: Extending the trail into downtown Cadillac will increase awareness of its location and make it easier for residents and visitors alike to use it. This will encourage engagement in healthy physical activities.

Operating Fund Impact: Increase annual maintenance and repair costs \$7,500 to \$10,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Local Funds	\$60,000
Rotary Club Donation	50,000
MDNR Grant	265,000
Total	<u>\$375,000</u>

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **CARMEL STREET SIDEWALK**

First Year in CIP: 2013
Project Category: Other Infrastructure
Department: Community Development

Total Project Cost: \$75,000

Project Description: Construct sidewalk along Carmel Street in the Franklin Elementary School area.

Project Justification and/or Need: This area sees regular foot traffic and providing this pedestrian traffic with a sidewalk would enhance safety and walkability in the area, especially for young school children that are walking to school.

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>
Special Assessments	\$75,000
Total	\$75,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**

Project Title: **CHESTNUT STREET SIDEWALK**

First Year in CIP: 2013
Project Category: Other Infrastructure
Department: Community Development

Total Project Cost: \$75,000

Project Description: Construct sidewalk along Chestnut Street in the Kenwood Elementary School area.

Project Justification and/or Need: This area sees regular foot traffic and providing this pedestrian traffic with a sidewalk would enhance safety and walkability in the area, especially for young school children that are walking to school.

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>
Special Assessments	\$75,000
Total	\$75,000

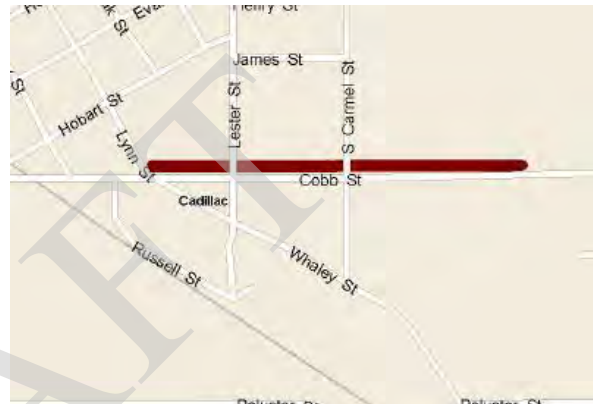
CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **COBB STREET SIDEWALK**

First Year in CIP: 2008
Project Category: Other Infrastructure
Department: Community Development

Total Project Cost: \$100,000

Project Description: Construct 1,200 feet of concrete sidewalk connecting hospital area with other medical facilities farther east on Cobb Street. Project would require significant land preparation, including retaining walls and other types of land manipulation required to make the sidewalk feasible.



Project Justification and/or Need: This area sees regular foot traffic and providing this pedestrian traffic with a sidewalk would enhance safety and walkability in the area.

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>
Special Assessments	\$100,000
Total	\$100,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 3 – FY2022**
Project Title: **PEARL STREET SIDEWALK**

First Year in CIP: 2008
Project Category: Other Infrastructure
Department: Community Development

Total Project Cost: \$100,000

Project Description: Construct 2,600 feet of concrete sidewalk connecting the Lakeview Lutheran Manor area with Mitchell Street. Project would require significant land preparation, including retaining walls and other types of land manipulation required to make the sidewalk feasible.

Project Justification and/or Need: This area sees regular foot traffic and providing this pedestrian traffic with a sidewalk would enhance safety and walkability in the area.

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>
Special Assessments	\$100,000
Total	\$100,000



CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Projects Identified – Industrial Parks

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

Industrial Parks	
Year 1 - FY2020	
Entrance Signs	40,000
Year 1 - FY2020 Total	40,000
Year 2 - FY2021	
James E. Potvin Industrial Park Expansion	600,000
Year 2 - FY2021 Total	600,000
Industrial Parks Total	640,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 1 – FY2020**

Project Title: **INDUSTRIAL PARK ENTRANCE SIGNS**

First Year in CIP: 2013
Project Category: Industrial Development
Department: Industrial Parks

Total Project Cost: \$40,000

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	\$40,000
Total	\$40,000

CITY OF CADILLAC
Capital Improvement Program
For the fiscal years ending June 30, 2020-2025

Program Fiscal Year: **YEAR 2 – FY2021**

Project Title: **JAMES E. POTVIN INDUSTRIAL PARK EXPANSION**

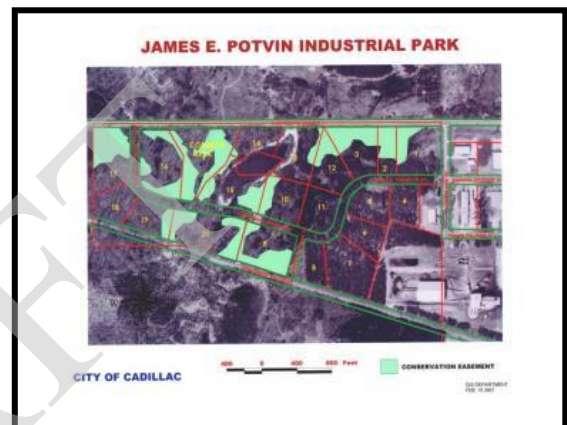
First Year in CIP: 2003
Project Category: Industrial Development
Department: Industrial Parks

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>





**Capital Improvement
Program**
July 1, 2019 - June 30, 2025