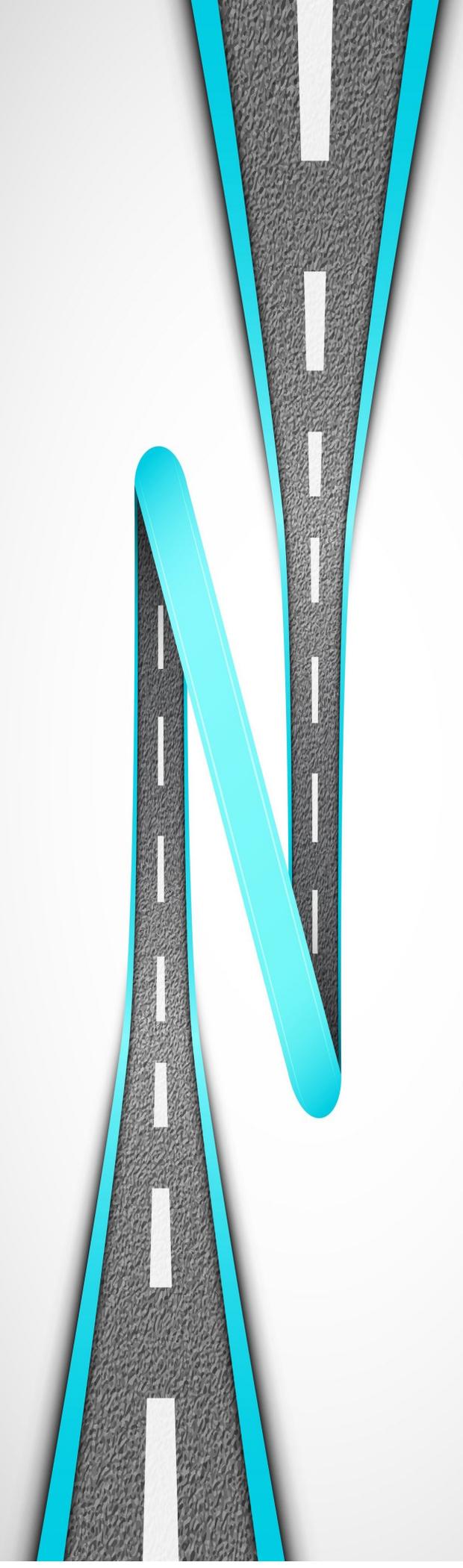




5-Year Capital Improvement Program

July 1, 2015 through
June 30, 2020





Cadillac MICHIGAN

Elected Officials and City Administration

Carla Filkins, Mayor
At Large

Shari Spoelman, Councilmember
First Ward

Antoinette Schippers, Councilmember
Second Ward

Art Stevens, Mayor Pro-Tem
Third Ward

Douglas Mellema, Councilmember
Fourth Ward



City Manager *Marcus Peccia*

Director of Finance *Owen Roberts*

Director of Public Utilities *Jeff Dietlin*

**Director of Public Works and
Engineering** *Bruce DeWitt*

Community Development Director *Jerry Adams*

City Clerk *Sandra Wasson*

City Treasurer *Keri Lanning*

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

What is the 5-Year Capital Improvement Program?

The information that follows represents the City of Cadillac’s 5-Year Capital Improvement Program. In it, projects have been identified that need to be addressed over the next five 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 five 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 5-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 five years, priorities may change and funding sources may be eliminated making completion of the project imprudent or impossible.

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Summary

On a departmental basis, the 5-Year Capital Improvement Program includes the following request levels, presented by fiscal year:

Department	<i>For the fiscal year ending June 30,</i>					Total
	2016	2017	2018	2019	2020	
Complex/Administration	18,000	73,000	372,000	105,000	0	568,000
Public Safety						
Police	35,000	61,000	31,000	32,000	32,000	191,000
Fire	40,000	0	385,000	0	0	425,000
Municipal Parks	15,500	149,000	167,500	9,000	7,500	348,500
Total General Fund	108,500	283,000	955,500	146,000	39,500	1,532,500
Major Streets	167,500	137,500	330,000	350,000	0	985,000
Local Streets	1,127,500	627,500	377,500	187,500	7,500	2,327,500
Cemetery Operating	0	24,000	40,000	59,000	100,000	223,000
Water and Wastewater	1,393,000	3,556,000	540,500	503,000	306,000	6,298,500
Stores and Garage	260,000	258,500	208,500	204,000	295,000	1,226,000
Information Technology	40,000	165,000	70,000	20,000	40,000	335,000
Industrial Parks	25,000	0	0	0	525,000	550,000
Community Development	850,000	250,000	0	0	0	1,100,000
Totals	\$3,971,500	\$5,301,500	\$2,522,000	\$1,469,500	\$1,313,000	\$14,577,500

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 5-year program, the following sources of funding have been identified by fiscal year:

Source of Funds	<i>For the fiscal year ending June 30,</i>					Total
	2016	2017	2018	2019	2020	
Current Property Tax Revenues	591,000	333,000	540,500	146,000	39,500	1,650,000
Donations						
Donations Received	0	0	0	0	0	0
Future Donations	160,000	0	65,000	50,000	0	275,000
Operating Revenues	1,225,500	1,003,500	859,000	736,000	899,100	4,723,100
MVHF	1,295,000	765,000	707,500	537,500	7,500	3,312,500
DWRF	500,000	3,000,000	0	0	0	3,500,000
Grants	200,000	200,000	0	0	366,900	766,900
Special Assessments	0	0	350,000	0	0	350,000
Totals	\$3,971,500	\$5,301,500	\$2,522,000	\$1,469,500	\$1,313,000	\$14,577,500

* The City will utilize bond financing to fund construction, and the Motor Vehicle Highway Funds will be the revenue source used to repay the debt.

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Projects by Fiscal Year

The following tables identify specific projects that have been requested in each of the five 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.

Plan Fiscal Year: 2015-2016			
Department	Project	Cost	Page
General Gov't.	FLOOR COVERING	10,500	10
General Gov't.	AUTOMATED EXTERNAL DEFIBRILLATORS	7,500	11
Public Safety	POLICE K-9 VEHICLE	35,000	22
Public Safety	FIRE RESCUE VEHICLE	40,000	23
Parks	SPRINKLER SYSTEM VALVE REPLACEMENT	8,000	32
Parks	SHORELINE STABILIZATION	7,500	33
Major Street	WEST DIVISION STREET (LEESON TO SENECA)	160,000	44
Major Street	STREET SIGN REPLACEMENT	7,500	45
Local Street	EVART STREET (OAK TO LESTER)	140,000	52
Local Street	HOLLY ROAD (BARBARA TO WREN)	180,000	53
Local Street	EAST GARFIELD STREET (HOLBROOK TO HIGGINS)	240,000	54
Local Street	SIMONS STREET (HARRIS TO BREMER)	240,000	55
Local Street	SELMA STREET (W. DIVISION TO WRIGHT)	200,000	56
Local Street	ALDRICH STREET (BOND TO LINDEN)	120,000	57
Local Street	STREET SIGN REPLACEMENT	7,500	58
Water/Wastewater	EVART STREET	50,000	81
Water/Wastewater	HOLLY ROAD	40,000	82
Water/Wastewater	EAST GARFIELD STREET	40,000	83
Water/Wastewater	SIMONS STREET	40,000	84
Water/Wastewater	SELMA STREET	90,000	85
Water/Wastewater	ALDRICH STREET	40,000	86
Water/Wastewater	WEST DIVISION STREET	95,000	87
Water/Wastewater	CHANNEL MONSTER	75,000	88
Water/Wastewater	MANHOLE REHABILITATION	25,000	89
Water/Wastewater	RAW/PRIMARY SAMPLER REPLACEMENT	10,000	90
Water/Wastewater	WATER TOWER PAINTING	350,000	91
Water/Wastewater	SERVICE TRUCK	26,000	92
Water/Wastewater	WASTEWATER PARKING LOT IMPROVEMENTS	12,000	93
Water/Wastewater	WATER SUPPLY IMPROVEMENTS	500,000	94
Stores & Garage	TANDEM AXLE PLOW TRUCK	195,000	144
Stores & Garage	1-TON 4X4 TRUCK CHASSIS ONLY	40,000	145
Stores & Garage	3/4-TON 4X4 PICKUP TRUCK	25,000	146
IT	COMPUTER REPLACEMENT	20,000	162
IT	IT INFRASTRUCTURE	20,000	163

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Industrial Parks	ENTRANCE SIGNS	25,000	174
Comm. Dev.	ROTARY PERFORMING ARTS PAVILION UPGRADES	300,000	178
Comm. Dev.	PLACE-PLANS DEVELOPMENT	550,000	179
Total for FY 2015-2016		\$3,971,500	

Plan Fiscal Year: 2016-2017			
Department	Project	Cost	Page
General Gov't.	FIRE DEPARTMENT RESTROOM RENOVATION	50,000	12
General Gov't.	STAFF CAR	23,000	13
Public Safety	POLICE PATROL VEHICLE	31,000	24
Public Safety	INCIDENT MANAGEMENT SOFTWARE	30,000	25
Parks	RIDING LAWN MOWER	9,000	34
Parks	KENWOOD BATHROOM	140,000	35
Major Street	LEESON STREET (CHESTNUT TO WEST DIVISION)	130,000	46
Major Street	STREET SIGN REPLACEMENT	7,500	47
Local Street	CRIPPEN STREET (MITCHELL TO PARK)	200,000	59
Local Street	SOUTH STREET (LAKE TO FOUR WINNS TEST CENTER)	75,000	60
Local Street	MARBLE STREET (MITCHELL TO SUNNYSIDE)	180,000	61
Local Street	SMITH STREET (WHEELER TO BURLINGAME)	100,000	62
Local Street	BLODGETT STREET (LINCOLN TO E. DIVISION)	65,000	63
Local Street	STREET SIGN REPLACEMENT	7,500	64
Cemetery	SPRINKLER SYSTEM UPGRADE	15,000	72
Cemetery	RIDING MOWER	9,000	73
Water/Wastewater	CRIPPEN STREET	60,000	95
Water/Wastewater	SOUTH STREET	40,000	96
Water/Wastewater	MARBLE STREET	100,000	97
Water/Wastewater	SMITH STREET	35,000	98
Water/Wastewater	BLODGETT STREET	25,000	99
Water/Wastewater	STAFF CAR	18,000	100
Water/Wastewater	DUMP TRUCK	75,000	101
Water/Wastewater	MUFFLE FURNACE/DRYING OVEN REPLACEMENT	8,000	102
Water/Wastewater	MANHOLE REHABILITATION	25,000	103
Water/Wastewater	EMPLOYEE BREAKROOM AND LOCKER FACILITY	40,000	104
Water/Wastewater	FEW PUMP REPLACEMENT	20,000	105
Water/Wastewater	WATER WELL MAINTENANCE	25,000	106
Water/Wastewater	ULTRAVIOLET DISINFECTION EQUIPMENT	15,000	107
Water/Wastewater	ATOMIC ABSORPTION SPECTROSCOPY MACHINE	70,000	108
Water/Wastewater	WATER SUPPLY IMPROVEMENTS	3,000,000	94
Stores & Garage	USED BUCKET TRUCK	75,000	147
Stores & Garage	REGENERATIVE STREET SWEEPER	175,000	148
Stores & Garage	V-PLOW FOR MEDIUM DUTY TRACTOR	8,500	149
IT	IT INFRASTRUCTURE	20,000	164
IT	COMPUTER SOFTWARE REPLACEMENT	125,000	165

CITY OF CADILLAC
 Capital Improvement Program
 For the fiscal years ending June 30, 2016-2020

IT	COMPUTER REPLACEMENT	20,000	166
Comm. Dev.	WHITE PINE TRAIL CONNECTOR	250,000	180
Total for FY 2016-2017		\$5,301,500	

Plan Fiscal Year: 2017-2018

Department	Project	Cost	Page
General Gov't.	CONCRETE APRON REPLACEMENTS	22,000	14
General Gov't.	COBB STREET SIDEWALK	100,000	15
General Gov't.	CHESTNUT STREET SIDEWALK	75,000	16
General Gov't.	CARMEL STREET SIDEWALK	75,000	17
General Gov't.	PEARL STREET SIDEWALK	100,000	18
Public Safety	POLICE PATROL VEHICLE	31,000	26
Public Safety	FIRE PUMPER	385,000	27
Parks	SKATE PARK EQUIPMENT	40,000	36
Parks	PARKING LOT UPGRADES - LAKE AND CHESTNUT ST.	35,000	37
Parks	KENWOOD PARKING LOT	60,000	38
Parks	WALKWAY BRIDGE GAZEBO	25,000	39
Parks	SHORELINE STABILIZATION	7,500	40
Major Street	WEST BREMER STREET (LAKE TO MITCHELL)	80,000	48
Major Street	COBB & CARMEL STREET	250,000	49
Local Street	EAST BREMER STREET (MITCHELL TO PARK)	150,000	65
Local Street	CRESTVIEW, EVART AND STIMSON STREETS	220,000	66
Local Street	STREET SIGN REPLACEMENT	7,500	67
Cemetery	CEMETERY ROAD PAVING	40,000	74
Water/Wastewater	WEST BREMER STREET	85,000	109
Water/Wastewater	COBB & CARMEL STREET	50,000	110
Water/Wastewater	EAST BREMER STREET	85,000	111
Water/Wastewater	CRESTVIEW, EVART AND STIMSON STREETS	90,000	112
Water/Wastewater	SEWER JETTER	100,000	113
Water/Wastewater	SERVICE TRUCK	27,000	114
Water/Wastewater	CIRCULAR PUMP	15,000	115
Water/Wastewater	RAS PUMP	11,000	116
Water/Wastewater	WATER WELL MAINTENANCE	25,000	117
Water/Wastewater	TWO (2) WASTEWATER FUME HOODS	20,000	118
Water/Wastewater	MANHOLE REHABILITATION	25,000	119
Water/Wastewater	BOD INCUBATOR	7,500	120
Stores & Garage	SINGLE AXLE PLOW TRUCK	160,000	150
Stores & Garage	REPLACEMENT UNDERBODY PLOW	9,500	151
Stores & Garage	REVERSING FRONT PLOW	9,000	152
Stores & Garage	3/4-TON 4X4 PICKUP TRUCK	30,000	153
IT	COMPUTER REPLACEMENT	20,000	167
IT	IT INFRASTRUCTURE	50,000	168

Total for FY 2017-2018 **\$2,522,000**

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Plan Fiscal Year: 2018-2019			
Department	Project	Cost	Page
General Gov't.	HEATING AND COOLING RENOVATION	75,000	19
General Gov't.	UPGRADE MUNICIPAL COMPLEX RESTROOMS	30,000	20
Public Safety	POLICE PATROL VEHICLE	32,000	28
Parks	RIDING LAWN MOWER	9,000	41
Major Street	NORTH BOULEVARD	350,000	50
Local Street	COLFAX STREET	180,000	68
Local Street	STREET SIGN REPLACEMENT	7,500	69
Cemetery	RIDING LAWN MOWER	9,000	75
Cemetery	ENTRANCE PILLARS	50,000	76
Water/Wastewater	COLFAX STREET	60,000	121
Water/Wastewater	WATER WELL MAINTENANCE	25,000	122
Water/Wastewater	3/4 TON, 4X4 SERVICE TRUCK	28,000	123
Water/Wastewater	MOBILE DIESEL AIR COMPRESSOR	20,000	124
Water/Wastewater	MANHOLE REHABILITATION	25,000	125
Water/Wastewater	LAB FRIDGES AND FREEZERS	10,000	126
Water/Wastewater	FERRIC PUMPS	10,000	127
Water/Wastewater	CUTTER STACK FOR MUFFIN MONSTER	25,000	128
Water/Wastewater	CONCRETE/ASPHALT WORK AT WWTP	175,000	129
Water/Wastewater	TWO SERVICE TRUCKS	55,000	130
Water/Wastewater	BAR SCREENS AT WWTP	50,000	131
Water/Wastewater	SUNSET/LAKESHORE MAIN REPLACEMENT	20,000	132
Stores & Garage	SINGLE AXLE PLOW TRUCK	160,000	154
Stores & Garage	REVERSING FRONT PLOW	9,000	155
Stores & Garage	RIDING LAWN MOWER	10,000	156
Stores & Garage	SIDEWALK AND PARKING LOT SWEEPER	25,000	157
IT	COMPUTER REPLACEMENT	20,000	169

Total for FY 2018-2019 \$1,469,500

Plan Fiscal Year: 2019-2020			
Department	Project	Cost	Page
Public Safety	POLICE PATROL VEHICLE	32,000	29
Parks	SHORELINE STABILIZATION	7,500	42
Local Street	STREET SIGN REPLACEMENT	7,500	70
Cemetery	MAINTENANCE GARAGE	100,000	77
Water/Wastewater	WATER WELL MAINTENANCE	25,000	133
Water/Wastewater	SOUTH SHORE LIFT STATION BUILDING	8,000	134
Water/Wastewater	MANHOLE REHABILITATION	25,000	135
Water/Wastewater	LABORATORY INCUBATORS	8,000	136
Water/Wastewater	EQ BASIN BLOCK REPLACEMENT/REPAIR	25,000	137

CITY OF CADILLAC
 Capital Improvement Program
 For the fiscal years ending June 30, 2016-2020

Water/Wastewater	TWO (2) SERVICE TRUCKS	55,000	138
Water/Wastewater	BIO-MAKEUP AIR/FURNACE	25,000	139
Water/Wastewater	PRIMARY DRIVE REPLACEMENT/RENOVATION	45,000	140
Water/Wastewater	SECONDARY DRIVE REPLACEMENT/RENOVATION	60,000	141
Water/Wastewater	RAS PUMPS 1&2 REPLACEMENT	30,000	142
Stores & Garage	SINGLE AXLE BLADE TRUCK WITH REVERSING PLOW	185,000	158
Stores & Garage	DUAL WHEEL 29' BUCKET TRUCK	65,000	159
Stores & Garage	ALLEY TRACTOR	45,000	160
IT	IT INFRASTRUCTURE	20,000	170
IT	COMPUTER REPLACEMENT	20,000	171
Industrial Parks	JAMES E. POTVIN INDUSTRIAL PARK	525,000	175

Total for FY 2019-2020 **\$1,313,000**

5-Year Total Capital Improvement Program **\$14,577,500**

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 five 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 five-year Capital Improvement Program.

Plan Fiscal Year: 2015-2016

FLOOR COVERING	10,500
AUTOMATED EXTERNAL DEFIBRILLATORS	7,500
Total for FY 2015-2016	\$18,000

Plan Fiscal Year: 2016-2017

FIRE DEPARTMENT RESTROOM RENOVATION	50,000
STAFF CAR	23,000
Total for FY 2016-2017	\$73,000

Plan Fiscal Year: 2017-2018

CONCRETE APRON REPLACEMENTS	22,000
COBB STREET SIDEWALK	100,000
CHESTNUT STREET SIDEWALK	75,000
CARMEL STREET SIDEWALK	75,000
PEARL STREET SIDEWALK	100,000
Total for FY 2017-2018	\$372,000

Plan Fiscal Year: 2018-2019

HEATING AND COOLING RENOVATION	75,000
UPGRADE MUNICIPAL COMPLEX RESTROOMS	30,000
Total for FY 2018-2019	\$105,000

Plan Fiscal Year: 2019-2020

** NO PROJECTS **	0
Total for FY 2019-2020	\$0

Grand Total for Municipal Complex/General Government	\$568,000
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CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **FLOOR COVERING**

First Year in CIP: 2007
Project Category: Building Maintenance
Department: Municipal Complex

Total Project Cost: \$10,500

Project Description: Replace carpeting in Police Department.

Project Justification and/or Need: Existing carpet has become worn and extremely stained in many areas. Professional cleaning is no longer successful in keeping the carpet presentable.

Project Impact/Benefit: The visual appearance of the department will be significantly enhanced, adding to the professional feel of the office.



Operating Fund Impact: Reduce minor cleaning and maintenance costs by \$300 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$10,500
Total	\$10,500

Program Fiscal Year: **2015-2016**

Project Title: **AUTOMATED EXTERNAL DEFIBRILLATORS (AED)**

First Year in CIP: 2011
Project Category: New Equipment
Department: Administration

Total Project Cost: \$7,500

Project Description: Install AEDs in all City facilities (WWTP, Water Department, City Garage).

Project Justification and/or Need: The availability of AED's provides potentially life-saving capabilities to both staff and visitors of City facilities.

Project Impact/Benefit: AEDs could be used to save the life of a City of Cadillac employee or any other person who is visiting the building from the community, businesses, etc.



Operating Fund Impact: Having AEDs in all buildings may help decrease insurance costs.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Safety Funds	\$7,500
Total	\$7,500

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **UPGRADE FIRE DEPARTMENT RESTROOMS**

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

Total Project Cost: \$50,000

Project Description: Upgrade restrooms in Fire Department and add separate restroom for men and women.

Project Justification and/or Need: Current bathroom and shower facility in the fire department is not separated for men and women.

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

Operating Fund Impact: This project will have minimal impact on operating costs, but upgrading some existing infrastructure should reduce annual maintenance costs about \$500.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$50,000
Total	\$50,000

Program Fiscal Year: **2016-2017**
 Project Title: **STAFF CAR**

First Year in CIP: 2005
Project Category: Vehicle Replacement
Department: Administration

Total Project Cost: \$23,000

Project Description: A reliable staff car is essential to providing safe transportation for City staff personnel.

Project Justification and/or Need: Administration staff regularly travel to various out-of-town training sessions and meetings. Scheduled replacements are needed to ensure the availability of a safe, reliable vehicle.

Project Impact/Benefit: A currently-owned 2004 Ford Taurus will be replaced with this new staff vehicle. The new vehicle will facilitate out-of-town travel for other members of City staff as well as elected officials.



Operating Fund Impact: Purchase of this vehicle will facilitate disposal of an older vehicle that was kept beyond its estimated useful life, and will provide a safe, efficient vehicle for staff to use to travel. Overall, project should result in a reduction in annual maintenance costs of approximately \$500.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$23,000
Total	\$23,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **CONCRETE APRON REPLACEMENTS**

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

Total Project Cost: \$22,000

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:

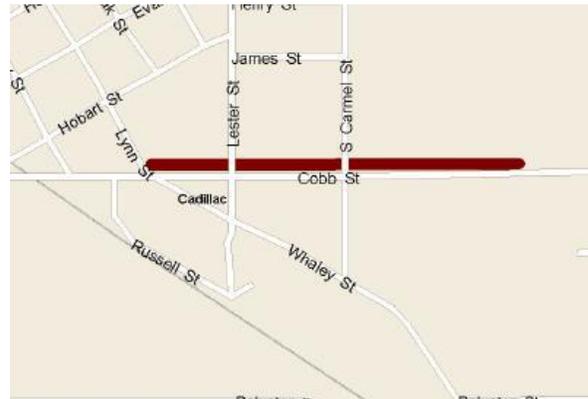
<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$22,000
Total	\$22,000

Program Fiscal Year: **2017-2018**
 Project Title: **COBB STREET SIDEWALK**

First Year in CIP: 2008
Project Category: Other Infrastructure
Department: General Government

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, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **CHESTNUT STREET SIDEWALK**

First Year in CIP: 2013
Project Category: Other Infrastructure
Department: General Government

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	<u>\$75,000</u>

Program Fiscal Year: **2017-2018**
Project Title: **CARMEL STREET SIDEWALK**

First Year in CIP: 2013
Project Category: Other Infrastructure
Department: General Government

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	<u>\$75,000</u>

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **PEARL STREET SIDEWALK**

First Year in CIP: 2008
Project Category: Other Infrastructure
Department: General Government

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



Program Fiscal Year: **2018-2019**

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, Fire Department, and Administration, as well as the shower facilities in the police and fire departments.



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>
Current Property Tax Revenues	\$30,000
Total	\$30,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2018-2019**

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:

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>
Current Property Tax Revenues	\$75,000
Total	<u>\$75,000</u>

Projects Identified – Public Safety

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

	Police	Fire
Plan Fiscal Year: 2015-2016		
POLICE K-9 VEHICLE	35,000	
FIRE RESCUE VEHICLE		40,000
Total for FY 2015-2016	\$35,000	\$40,000
Plan Fiscal Year: 2016-2017		
POLICE PATROL VEHICLE	31,000	
INCIDENT MANAGEMENT SOFTWARE	30,000	
Total for FY 2016-2017	\$61,000	\$0
Plan Fiscal Year: 2017-2018		
POLICE PATROL VEHICLE	31,000	
FIRE PUMPER		385,000
Total for FY 2017-2018	\$31,000	\$385,000
Plan Fiscal Year: 2018-2019		
POLICE PATROL VEHICLE	32,000	
Total for FY 2018-2019	\$32,000	\$0
Plan Fiscal Year: 2019-2020		
POLICE PATROL VEHICLE	32,000	
Total for FY 2019-2020	\$32,000	\$0
Departmental Total	\$191,000	\$425,000
Grand Total for Public Safety		\$616,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **POLICE K-9 VEHICLE**

First Year in CIP: 2013
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$35,000

Project Description: Replace the K-9 Patrol Vehicle which currently has 70,000 miles and is nearing its estimated useful lifespan.

Project Justification and/or Need: Current K-9 patrol vehicle is a 2006 Dodge Durango. It currently has 70,000 miles and is estimated to have over 90,000 by the beginning of the 2014-2015 budget year. The estimated useful lifespan of a patrol vehicle is 90,000 miles. Providing the K-9 officer with a modern, safe, and reliable patrol vehicle is essential in helping carry out the enforcement duties conducted by this officer.



Project Impact/Benefit: A regular cycle of patrol vehicle replacement keeps each front line vehicle that is in service in optimal condition, helping to protect the safety of officers as they carry out their duties, and adding the needed reliability for a specialty vehicle such as this.

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

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$35,000
Total	\$35,000

Program Fiscal Year: **2015-2016**
 Project Title: **VEHICLE REPLACEMENT**

First Year in CIP: 2005
Project Category: Vehicle Replacement
Department: Fire

Total Project Cost: \$40,000



Project Description: Replace the light rescue vehicle. A 1-ton pickup truck will be used in light rescue for accident scenes as well as towing trailers to sites.

Project Justification and/or Need: The current light rescue truck is a 1994 Ford F-150. The truck is now over 20 years old, and the age of the vehicle has resulted in increasing maintenance costs. This truck was repainted and repaired in 2007 to extend its useful life another 5-8 years.



Project Impact/Benefit: The light rescue vehicle enhances operational efficiency and reduces response time.

Operating Fund Impact: Reduce minor maintenance by \$1,000 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, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **VEHICLE REPLACEMENT**

First Year in CIP: 2011
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$31,000

Project Description: The patrol vehicle replacement program is designed to replace vehicles by the end of their estimated useful life.

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>
Current Property Tax Revenues	\$31,000
Total	\$31,000

Program Fiscal Year: **2016-2017**

Project Title: **INCIDENT MANAGEMENT SOFTWARE**

First Year in CIP: 2011
Project Category: Equipment Replacement
Department: Police

Total Project Cost: \$30,000



Project Description: Replace existing DDP Incident Management Software with Core Technology Corporation's Talon Incident Management Software (TIMS). Incident management software is used for all police incident report documentation, police officer daily activity reporting, evidence and property control management documentation, and also provides all departmental activity and statistical reporting.

Project Justification and/or Need: DDP Incident Management software is dated and not as well supported as it has been in the past. Since the death of the designer and owner, the company has been sold twice to new corporations that have been unsure whether they would continue to support and update the software program, or eliminate it and offer departments an incentive to purchase their incident software program. DDP is not expected to be supported at an acceptable level in the future.

Project Impact/Benefit: Core Technology software is currently being used in the police department for the operation of the LEIN system with the State of Michigan, and the TIMS software can be integrated into this existing program. The TIMS system supports full data conversion from DDP, including our property and evidence bar coding, offers information sharing with many other agencies around the state, and offers a state-of-the-art Officers Daily Activity reporting program similar to DDP, but with more options to access data and statistics.

Operating Fund Impact: Once the system is implemented, annual maintenance costs for TIMS would be approximately \$2,000.00 a year more than the annual maintenance cost for DDP.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$30,000
Total	\$30,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **VEHICLE REPLACEMENT**

First Year in CIP: 2013
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$31,000

Project Description: The patrol vehicle replacement program is designed to replace vehicles by the end of their estimated useful life.

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>
Current Property Tax Revenues	\$31,000
Total	\$31,000

Program Fiscal Year: **2017-2018**
Project Title: **FIRE PUMPER**

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

Total Project Cost: \$385,000



Project Description: Replace Engine #1 which is a 2000 Alexis Pumper. It will be approximately 16 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</u>	<u>Amount</u>
Current Property Tax Revenues	\$385,000
Total	<u>\$385,000</u>

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2018-2019**

Project Title: **VEHICLE REPLACEMENT**

First Year in CIP: 2014
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$32,000

Project Description: The patrol vehicle replacement program is designed to replace vehicles by the end of their estimated useful life.

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>
Current Property Tax Revenues	\$32,000
Total	\$32,000

Program Fiscal Year: **2019-2020**
 Project Title: **VEHICLE REPLACEMENT**

First Year in CIP: 2015
Project Category: Vehicle Replacement
Department: Police

Total Project Cost: \$32,000



Project Description: The patrol vehicle replacement program is designed to replace vehicles by the end of their estimated useful life.

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>
Current Property Tax Revenues	\$32,000
Total	\$32,000

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Projects Identified – Municipal Parks

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

Plan Fiscal Year: 2015-2016

SPRINKLER SYSTEM VALVE REPLACEMENT	8,000
SHORELINE STABILIZATION	7,500
Total for FY 2015-2016	\$15,500

Plan Fiscal Year: 2016-2017

RIDING LAWN MOWER	9,000
KENWOOD BATHROOM	140,000
Total for FY 2016-2017	\$149,000

Plan Fiscal Year: 2017-2018

SKATE PARK EQUIPMENT	40,000
PARKING LOT UPGRADES - LAKE AND CHESTNUT ST.	35,000
KENWOOD PARKING LOT	60,000
WALKWAY BRIDGE GAZEBO	25,000
SHORELINE STABILIZATION	7,500
Total for FY 2017-2018	\$167,500

Plan Fiscal Year: 2018-2019

RIDING LAWN MOWER	9,000
Total for FY 2018-2019	\$9,000

Plan Fiscal Year: 2019-2020

SHORELINE STABILIZATION	7,500
Total for FY 2019-2020	\$7,500

Grand Total for Municipal Parks	\$348,500
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CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **SPRINKLER SYSTEM VALVE REPLACEMENT**

First Year in CIP: 2007
Project Category: Equipment Replacement
Department: Municipal Parks

Total Project Cost: \$8,000

Project Description: Replace sprinkler valves between the Chestnut boat launch and the Wexford County Library. The scope of the project will include the installation of electric control zone valves.

Project Justification and/or Need: The existing hydraulic controlled sprinkler system between the boat launch and the library has been in place since the mid-1980's and experiences frequent maintenance issues, resulting in increased costs.

Project Impact/Benefit: Replacement will result in significant gains in reliability which will help ensure the ongoing beauty of the parks system through the hot, dry summer months.

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>
Current Property Tax Revenues	\$8,000
Total	<u>\$8,000</u>



Program Fiscal Year: **2015-2016**
 Project Title: **SHORELINE STABILIZATION**

First Year in CIP: 2010
Project Category: Improvements
Department: Municipal Parks

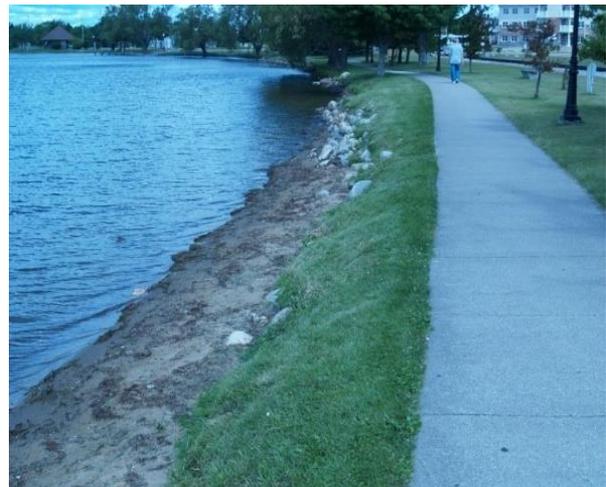
Total Project Cost: \$7,500

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>
Current Property Tax Revenues	\$7,500
Total	\$7,500

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2011
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 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>
Current Property Tax Revenues	\$9,000
Total	\$9,000

Program Fiscal Year: **2016-2017**
 Project Title: **KENWOOD BATHROOM**

First Year in CIP: 2011
Project Category: Improvements
Department: Municipal Parks

Total Project Cost: \$140,000

Project Description: Demolish two (2) old bathroom facilities and build new facilities at the Kenwood Boat Launch and Beach location.

Project Justification and/or Need: Current restrooms are over 30 years old and have major cracking in the foundation as well as other significant issues. Current facility does not comply with Americans with Disabilities Act (ADA) barrier-free standards. Build new ADA-compliant facility.

Project Impact/Benefit: New facility will be ADA-compliant and improve the experience of park visitors.



Operating Fund Impact: Reduce minor maintenance costs by \$1,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$140,000
Total	\$140,000

** Grant funds and private donations will also be sought for this project.*

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2017-2018**

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

Program Fiscal Year: **2017-2018**

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>
Current Property Tax Revenues	\$35,000
Total	\$35,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2017-2018**

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>
Current Property Tax Revenues	\$60,000
Total	\$60,000

Program Fiscal Year: **2017-2018**
 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, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **SHORELINE STABILIZATION**

First Year in CIP: 2013
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>
Current Property Tax Revenues	\$7,500
Total	<u>\$7,500</u>

Program Fiscal Year: **2018-2019**
 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>
Current Property Tax Revenues	\$9,000
Total	\$9,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2019-2020**

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>
Current Property Tax Revenues	\$7,500
Total	<u>\$7,500</u>

Projects Identified – Major Streets

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

Plan Fiscal Year: 2015-2016

WEST DIVISION STREET (LEESON TO SENECA)	160,000
STREET SIGN REPLACEMENT	<u>7,500</u>
Total for FY 2015-2016	\$167,500

Plan Fiscal Year: 2016-2017

LEESON STREET (CHESTNUT TO WEST DIVISION)	130,000
STREET SIGN REPLACEMENT	<u>7,500</u>
Total for FY 2016-2017	\$137,500

Plan Fiscal Year: 2017-2018

WEST BREMER STREET (LAKE TO MITCHELL)	80,000
COBB & CARMEL STREET	<u>250,000</u>
Total for FY 2017-2018	\$330,000

Plan Fiscal Year: 2018-2019

NORTH BOULEVARD	<u>350,000</u>
Total for FY 2018-2019	\$350,000

Plan Fiscal Year: 2019-2020

	<u>\$0</u>
Total for FY 2019-2020	\$0

	<u><u>\$985,000</u></u>
Grand Total for Major Streets	\$985,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: 2015-2016 Project Title: WEST DIVISION STREET

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

Total Project Cost: \$160,000

Project Description: Remove and replace a section of West Division Street from Linden Street to Seneca Street.

Project Justification and/or Need: The existing street will be removed and replaced with three inches 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. By FY2016 it is expected to further deteriorate and be in need of repair. This project will replace 2600 feet of street at an estimated \$60 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	\$160,000
Total	\$160,000

Program Fiscal Year: 2015-2016
Project Title: STREET SIGN REPLACEMENT

First Year in CIP: 2013
Project Category: Signage Improvements
Department: Major 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 156 major street intersections that needed replaced. Overall replacement should be nearly complete with this year’s project.



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, 2016-2020

Program Fiscal Year: **2016-2017**
Project Title: **LEESON STREET**

First Year in CIP: 2011
Project Category: Infrastructure Reconstruction
Department: Major Street

Total Project Cost: \$130,000

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

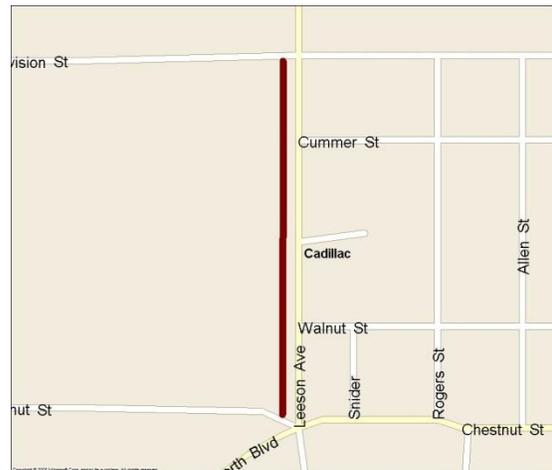
Project Justification and/or Need: The existing street will be removed and replaced with eight inches of gravel and three inches of hot mixed asphalt. The streets with the lowest ratings are the highest priority for repair. Currently this street has a rating of 3 out of 10. By FY2017 it is expected to further deteriorate and be in need of repair. This project will replace 1300 feet of street at an estimated \$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	\$130,000
Total	\$130,000



Program Fiscal Year: **2016-2017**
 Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2015
Project Category: Signage Improvements
Department: Major 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 156 major street intersections that needed replaced. Overall replacement should be complete with this year’s project.



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, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **WEST BREMER STREET**

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

Total Project Cost: \$80,000

Project Description: Remove and replace a section of W. Bremer Street from Lake Street to Mitchell Street.

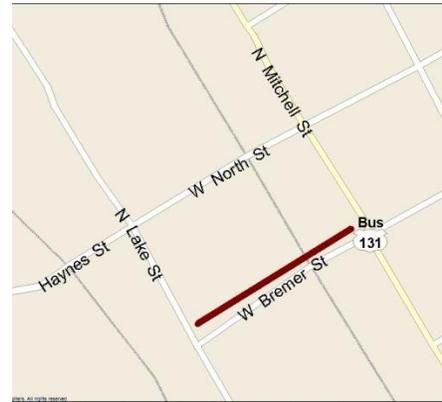
Project Justification and/or Need: The existing street will be removed and replaced with eight inches of gravel and three inches of hot mixed asphalt. The streets with the lowest ratings are the highest priority for repair. Currently this street has a rating of 2 out of 10. By FY2018 it is expected to further deteriorate and be in need of repair. This project will replace 400 feet of street at an estimated \$200 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	\$80,000
Total	\$80,000



Program Fiscal Year: **2017-2018**
 Project Title: **COBB AND CARMEL STREETS**

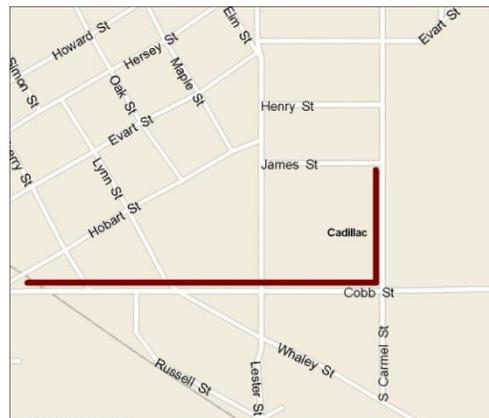
First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Major Street

Total Project Cost: \$250,000

Project Description: Remove and replace a section of Cobb Street from Hobart Street to Carmel Street, and Carmel Street from Cobb Street to James Street.

Project Justification and/or Need: The existing has a rating of 3 out of 10 and is in need of repair. This project will replace 2500 feet of street at an estimated \$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	\$250,000
Total	\$250,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2018-2019**

Project Title: **NORTH BOULEVARD**

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

Total Project Cost: \$350,000

Project Description: Remove and replace a section of North Boulevard from Kenwood Park to M-115.

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 3 out of 10. This street will also need subgrade undercutting. This project will replace 5000’ of street at an estimated cost of \$70 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	\$350,000
Total	\$350,000

Projects Identified – Local Streets

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

Plan Fiscal Year: 2015-2016

EVART STREET (OAK TO LESTER)	140,000
HOLLY ROAD (BARBARA TO WREN)	180,000
EAST GARFIELD STREET (HOLBROOK TO HIGGINS)	240,000
SIMONS STREET (HARRIS TO BREMER)	240,000
SELMA STREET (W. DIVISION TO WRIGHT)	200,000
ALDRICH STREET (BOND TO LINDEN)	120,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2015-2016	\$1,127,500

Plan Fiscal Year: 2016-2017

CRIPPEN STREET (MITCHELL TO PARK)	200,000
SOUTH STREET (LAKE TO FOUR WINNS TEST CENTER)	75,000
MARBLE STREET (MITCHELL TO SUNNYSIDE)	180,000
SMITH STREET (WHEELER TO BURLINGAME)	100,000
BLODGETT STREET (LINCOLN TO E. DIVISION)	65,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2016-2017	\$627,500

Plan Fiscal Year: 2017-2018

EAST BREMER STREET (MITCHELL TO PARK)	150,000
CRESTVIEW, EVART AND STIMSON STREETS	220,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2017-2018	\$377,500

Plan Fiscal Year: 2018-2019

COLFAX STREET	180,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2018-2019	\$187,500

Plan Fiscal Year: 2019-2020

STREET SIGN REPLACEMENT	7,500
Total for FY 2019-2020	\$7,500

Grand Total for Local Streets	\$2,327,500
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CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **EVART STREET**

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

Total Project Cost: \$140,000

Project Description: Remove and replace a section of Evert Street from Oak Street to Lester Street.

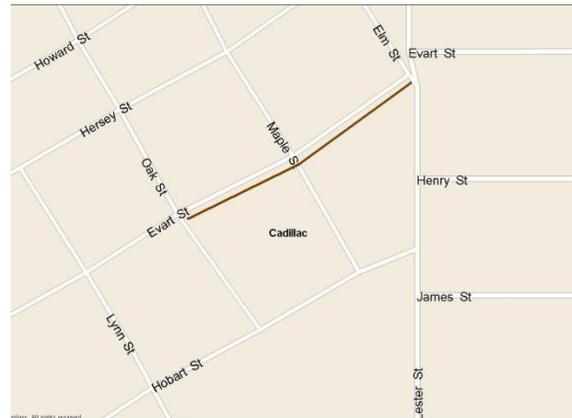
Project Justification and/or Need: This street has a current rating of 2 out of 10 and is in need of repair. This project will replace 700 feet of street at an estimated cost of \$200 per foot. It was last resurfaced 35 years ago.

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	\$140,000
Total	\$140,000



Program Fiscal Year: **2015-2016**
 Project Title: **HOLLY ROAD**

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

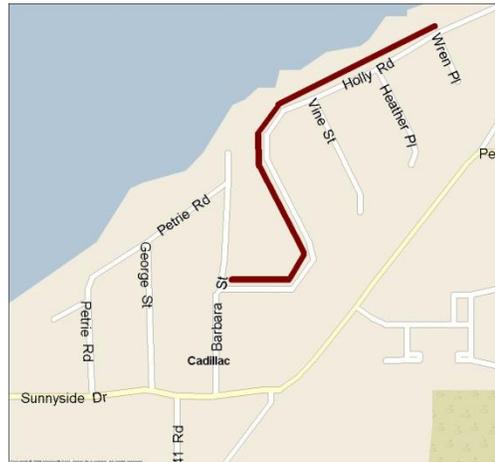
Total Project Cost: \$180,000

Project Description: Repair and resurface a section of Holly Road from Barbara Street to Wren Street.

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 crush and shape existing street and resurface it with three inches of hot mixed asphalt. 3,000 feet of street will be repaired at an estimated cost of \$60 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	\$180,000
Total	\$180,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **EAST GARFIELD STREET**

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

Total Project Cost: \$240,000

Project Description: Remove and replace a section of East Garfield Street from Holbrook Street to Higgins Street.

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 1,200 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	\$240,000
Total	\$240,000



Program Fiscal Year: **2015-2016**
 Project Title: **SIMONS STREET**

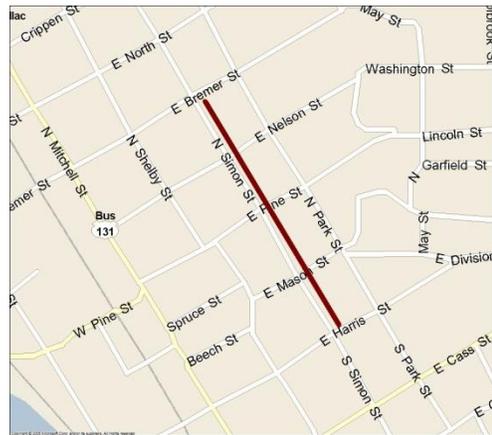
First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$240,000

Project Description: Remove and replace a section of Simons Street from Harris Street to Bremer Street.

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 1200 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	\$240,000
Total	\$240,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **SELMA STREET**

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

Total Project Cost: \$200,000

Project Description: Remove and replace a section of Selma Street from West Division Street to Wright Street.

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 1,000 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	\$200,000
Total	\$200,000

Program Fiscal Year: **2015-2016**

Project Title: **ALDRICH STREET**

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

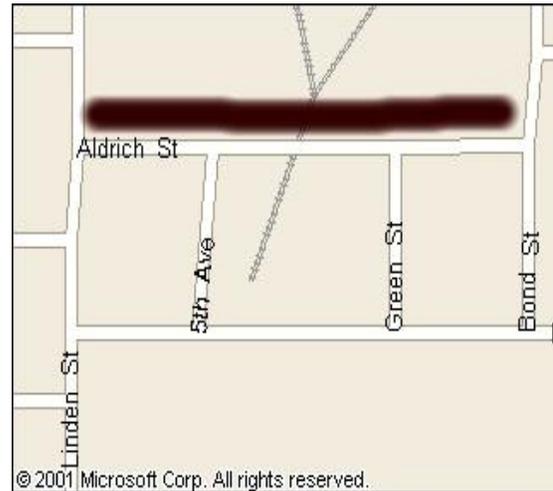
Total Project Cost: \$120,000

Project Description: Repair and resurface a section of Aldrich Street from Bond Street to Linden Street.

Project Justification and/or Need: This street has a current rating of 3 out of 10 and is in need of repair. This project will repair and resurface 1,200 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	\$120,000
Total	\$120,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2011
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. Overall replacement is approximately 70% complete prior to this year’s project.



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	<u>\$7,500</u>

Program Fiscal Year: **2016-2017**
 Project Title: **CRIPPEN STREET**

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

Total Project Cost: \$200,000

Project Description: Remove and replace a section of Crippen Street from Mitchell Street to Park Street.

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 1,050 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	\$200,000
Total	\$200,000

Program Fiscal Year: **2016-2017**
 Project Title: **MARBLE STREET**

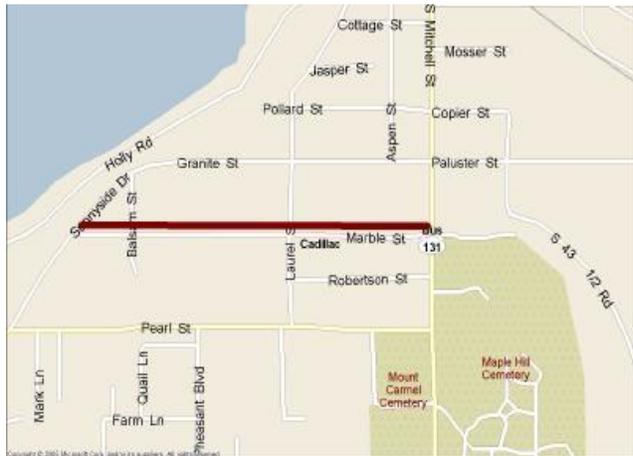
First Year in CIP: 2008
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$180,000

Project Description: Repair and resurface a section of Marble Street from Mitchell Street to Sunnyside Drive.

Project Justification and/or Need: This street has a current rating of 3 out of 10 and is in need of repair. This project will repair and resurface 3,000 feet of street at an estimated cost of \$60 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	\$180,000
Total	\$180,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **SMITH STREET**

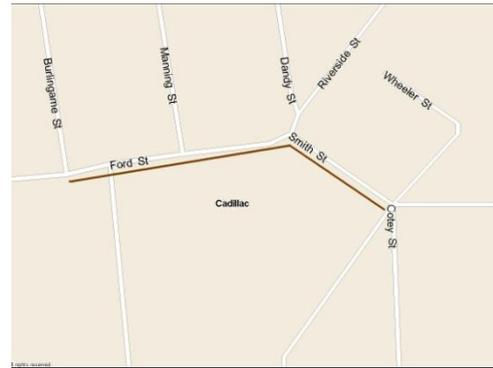
First Year in CIP: 2009
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$100,000

Project Description: Remove and replace a section of Smith Street from Wheeler Street to Burlingame Street.

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 1,000 feet of street at an estimated cost of \$100 per foot. It was last resurfaced in 1980.

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



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

Funding Source(s) for this Project:

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

Program Fiscal Year: **2016-2017**
 Project Title: **BLODGETT STREET**

First Year in CIP: 2004
Project Category: Infrastructure Reconstruction
Department: Local Street

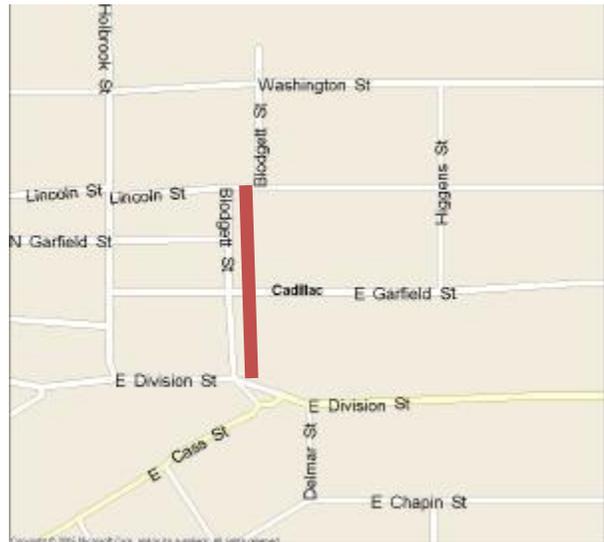
Total Project Cost: \$65,000

Project Description: Remove and replace a section of Blodgett Street from Lincoln Street to East Division Street.

Project Justification and/or Need: This street has a rating of 2 out of 10 and is in need of repair. This project will replace 650 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	\$65,000
Total	\$65,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2012
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. Overall replacement is approximately 80% complete prior to this year’s project.



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	<u>\$7,500</u>

Program Fiscal Year: **2017-2018**
 Project Title: **EAST BREMER STREET**

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

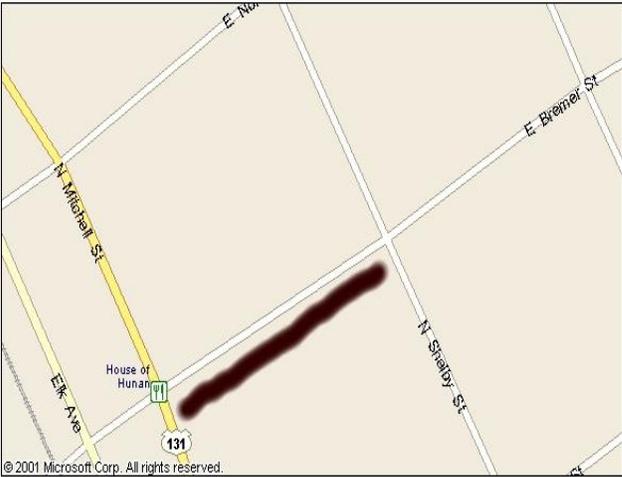
Total Project Cost: \$150,000

Project Description: Remove and replace a section of East Bremer Street from Mitchell Street to Park Street.

Project Justification and/or Need: This street has a current rating of 3 out of 10 and is in need of repair. This project will replace 1,000 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	\$150,000
Total	\$150,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **CRESTVIEW, EVART AND STIMSON STREETS**

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

Total Project Cost: \$220,000

Project Description: Remove and replace a section of Crestview Street from Evart Street to Stimson Street, Evart Street from Carmel Street to the east end of the street, and Stimson Street from Carmel Street to the east end of the street.

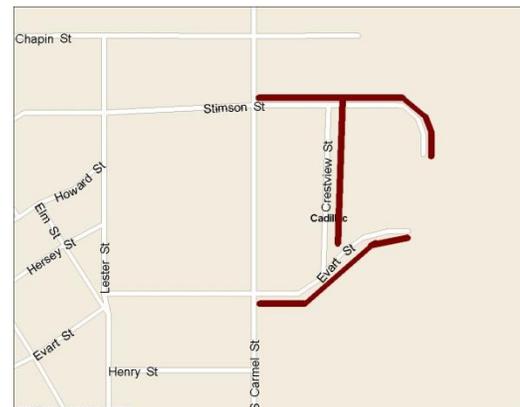
Project Justification and/or Need: These streets have a rating of 3 out of 10 and are in need of repair. This project will replace 2200 feet of street at an estimated cost of \$100 per foot.

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

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

Funding Source(s) for this Project:

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



Program Fiscal Year: **2017-2018**
 Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2013
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. Overall replacement is approximately 90% complete prior to this year’s project.



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, 2016-2020

Program Fiscal Year: **2018-2019**
Project Title: **COLFAX STREET**

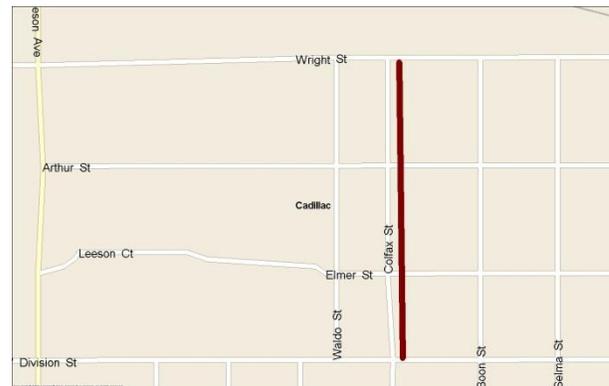
First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$180,000

Project Description: Remove and replace a section of Colfax Street from W. Division Street to Wright Street.

Project Justification and/or Need: This street has a rating of 3 out of 10 and is in need of repair. This project will replace 1200 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	\$180,000
Total	\$180,000

Program Fiscal Year: 2018-2019
Project Title: STREET SIGN REPLACEMENT

First Year in CIP: 2014
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. This year should complete the replacement project.



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, 2016-2020

Program Fiscal Year: **2019-2020**

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. Overall replacement should be complete in the prior year but funds may be needed to make final replacements.



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	<u>\$7,500</u>

Projects Identified – Cemetery Operating

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

Plan Fiscal Year: 2015-2016

** NO PROJECTS **

	0
Total for FY 2015-2016	\$0

Plan Fiscal Year: 2016-2017

SPRINKLER SYSTEM UPGRADE
 RIDING MOWER

	15,000
	9,000
Total for FY 2016-2017	\$24,000

Plan Fiscal Year: 2017-2018

CEMETERY ROAD PAVING

	40,000
Total for FY 2017-2018	\$40,000

Plan Fiscal Year: 2018-2019

RIDING LAWN MOWER
 ENTRANCE PILLARS

	9,000
	50,000
Total for FY 2018-2019	\$59,000

Plan Fiscal Year: 2019-2020

MAINTENANCE GARAGE

	100,000
Total for FY 2019-2020	\$100,000

	\$223,000
Grand Total for Cemetery	\$223,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2016-2017**

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

Program Fiscal Year: **2016-2017**
 Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2010
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, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **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>



Program Fiscal Year: **2018-2019**
 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, 2016-2020

Program Fiscal Year: **2018-2019**

Project Title: **ENTRANCE PILLAR RECONSTRUCTION**

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

Total Project Cost: \$50,000

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

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

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



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

Funding Source(s) for this Project:

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

Program Fiscal Year: **2019-2020**
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

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Projects Identified – Water and Wastewater

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

Plan Fiscal Year: 2015-2016

EVART STREET	50,000
HOLLY ROAD	40,000
EAST GARFIELD STREET	40,000
SIMONS STREET	40,000
SELMA STREET	90,000
ALDRICH STREET	40,000
WEST DIVISION STREET	95,000
CHANNEL MONSTER	75,000
MANHOLE REHABILITATION	25,000
RAW/PRIMARY SAMPLER REPLACEMENT	10,000
WATER TOWER PAINTING	350,000
SERVICE TRUCK	26,000
WASTEWATER PARKING LOT IMPROVEMENTS	12,000
WATER SUPPLY IMPROVEMENTS	500,000
Total for FY 2015-2016	\$1,393,000

Plan Fiscal Year: 2016-2017

CRIPPEN STREET	60,000
SOUTH STREET	40,000
MARBLE STREET	100,000
SMITH STREET	35,000
BLODGETT STREET	25,000
STAFF CAR	18,000
DUMP TRUCK	75,000
MUFFLE FURNACE/DRYING OVEN REPLACEMENT	8,000
MANHOLE REHABILITATION	25,000
EMPLOYEE BREAKROOM AND LOCKER FACILITY	40,000
FEW PUMP REPLACEMENT	20,000
WATER WELL MAINTENANCE	25,000
ULTRAVIOLET DISINFECTION EQUIPMENT	15,000
ATOMIC ABSORPTION SPECTROSCOPY MACHINE	70,000
WATER SUPPLY IMPROVEMENTS	3,000,000
Total for FY 2016-2017	\$3,556,000

Plan Fiscal Year: 2017-2018

WEST BREMER STREET	85,000
COBB & CARMEL STREET	50,000
EAST BREMER STREET	85,000
CRESTVIEW, EVART AND STIMSON STREETS	90,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

SEWER JETTER	100,000
SERVICE TRUCK	27,000
CIRCULAR PUMP	15,000
RAS PUMP	11,000
WATER WELL MAINTENANCE	25,000
TWO (2) WASTEWATER FUME HOODS	20,000
MANHOLE REHABILITATION	25,000
BOD INCUBATOR	7,500
Total for FY 2017-2018	\$540,500

Plan Fiscal Year: 2018-2019

COLFAX STREET	60,000
WATER WELL MAINTENANCE	25,000
3/4 TON, 4X4 SERVICE TRUCK	28,000
MOBILE DIESEL AIR COMPRESSOR	20,000
MANHOLE REHABILITATION	25,000
LAB FRIDGES AND FREEZERS	10,000
FERRIC PUMPS	10,000
CUTTER STACK FOR MUFFIN MONSTER	25,000
CONCRETE/ASPHALT WORK AT WWTP	175,000
TWO SERVICE TRUCKS	55,000
BAR SCREENS AT WWTP	50,000
SUNSET/LAKESHORE MAIN REPLACEMENT	20,000
Total for FY 2018-2019	\$503,000

Plan Fiscal Year: 2019-2020

WATER WELL MAINTENANCE	25,000
SOUTH SHORE LIFT STATION BUILDING	8,000
MANHOLE REHABILITATION	25,000
LABORATORY INCUBATORS	8,000
EQ BASIN BLOCK REPLACEMENT/REPAIR	25,000
TWO (2) SERVICE TRUCKS	55,000
BIO-MAKEUP AIR/FURNACE	25,000
PRIMARY DRIVE REPLACEMENT/RENOVATION	45,000
SECONDARY DRIVE REPLACEMENT/RENOVATION	60,000
RAS PUMPS 1&2 REPLACEMENT	30,000
Total for FY 2019-2020	\$306,000

Grand Total for Water and Wastewater \$6,298,500

Program Fiscal Year: **2015-2016**
 Project Title: **EVART STREET**

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

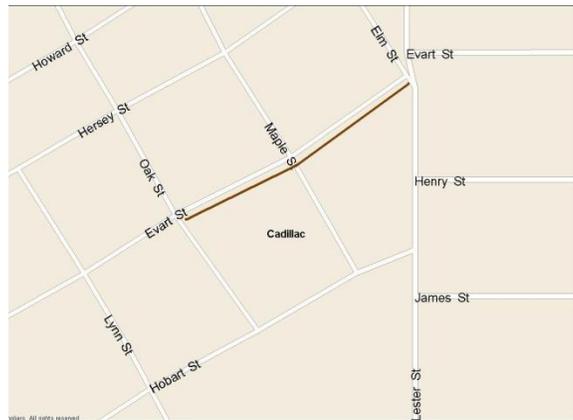
Total Project Cost: \$50,000

Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of Ewart Street between Oak 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	\$50,000
Total	\$50,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **HOLLY ROAD**

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

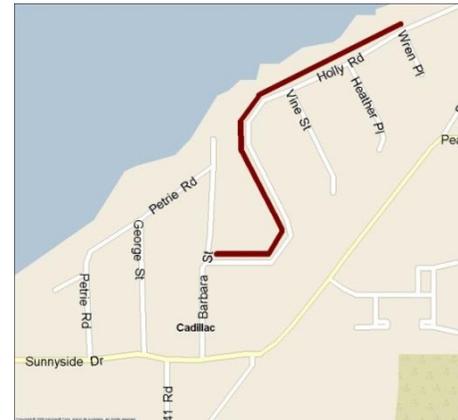
Total Project Cost: \$40,000

Project Description: Replace several sewer connection points below the street surface while it is torn up. This project includes the section of Holly Road between Wren Street and Barbara 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

Program Fiscal Year: **2015-2016**

Project Title: **EAST GARFIELD STREET**

First Year in CIP: 2007
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 E. Garfield Street between Holbrook Street and Higgins 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

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **SIMONS STREET**

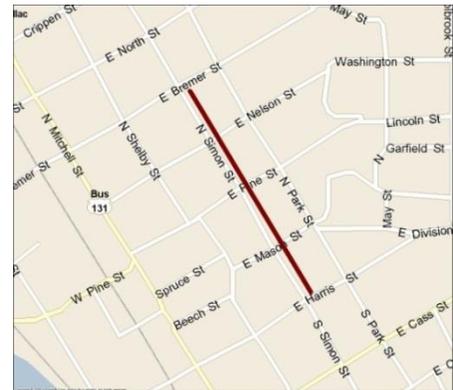
First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

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. Harris 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

Program Fiscal Year: **2015-2016**

Project Title: **SELMA STREET**

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

Total Project Cost: \$90,000

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

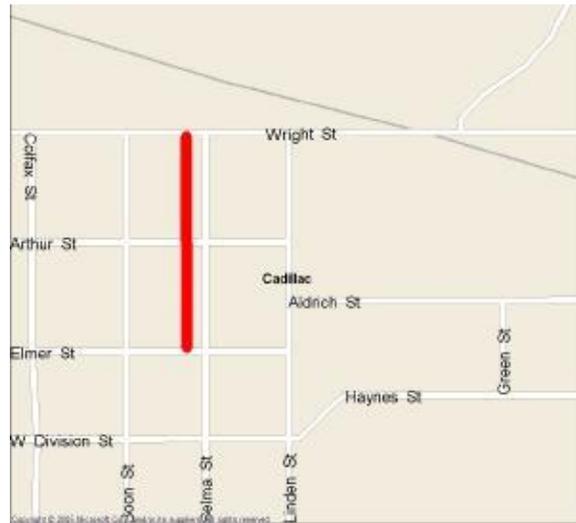
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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	\$90,000
Total	<u>\$90,000</u>



CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **ALDRICH STREET**

First Year in CIP: 2006
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 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	\$40,000
Total	\$40,000

Program Fiscal Year: **2015-2016**
 Project Title: **WEST DIVISION STREET**

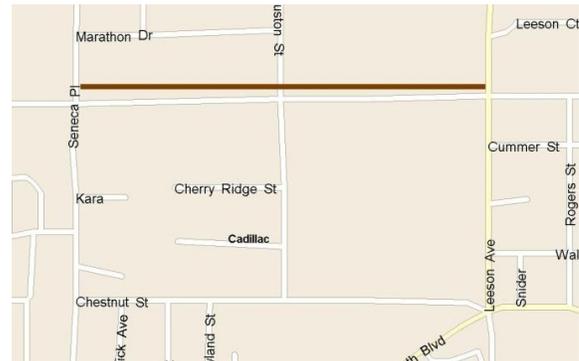
First Year in CIP: 2014
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$95,000

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 from Linden Street to Seneca 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	\$95,000
Total	\$95,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **CHANNEL MONSTER**

First Year in CIP: 2013
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$75,000

Project Description: Replace existing older equipment at the head of the treatment facility.

Project Justification and/or Need: Upgrade and modernize equipment to insure efficient treatment plant operations.

Project Impact/Benefit: Project will improve efficiency and operation of treatment process.

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	\$75,000
Total	<u>\$75,000</u>



Program Fiscal Year: **2015-2016**

Project Title: **MANHOLE REHABILITATION**

First Year in CIP: 2010
Project Category: Infrastructure Reconstruction
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, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **RAW/PRIMARY SAMPLER REPLACEMENT**

First Year in CIP: 2010
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$10,000

Project Description: Replace raw and primary samplers at the wastewater treatment plant.

Project Justification and/or Need: Current samplers are thirty years old and in need of complete replacement. They have many “retrofitted” parts that have caused sampling problems. Many permits will be flow-based in the future and it is unclear whether current samplers could perform a flow-based sampling schedule if required.

Project Impact/Benefit: Sampling of raw influent is essential to calculate the percent removal of many substances during the treatment process. Primary samples are needed for process control.

Operating Fund Impact: New samplers would eliminate current maintenance costs for old samplers. More accurate sampling could result in reduced operating costs, though the amount is difficult to determine.

Funding Source(s) for this Project:

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

Program Fiscal Year: **2015-2016**
 Project Title: **WATER TOWER PAINTING**

First Year in CIP: 2003
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$350,000

Project Description: The water tower will be painted on the inside and the outside.

Project Justification and/or Need: An inspection was done on the tower in 2010 and the resulting recommendation was to repaint the tower by 2015. The tower was last painted in 1995.

Project Impact/Benefit: The structural integrity will be enhanced, extending the usefulness of a critical part of the water system.

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



Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$350,000
Total	\$350,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **SERVICE TRUCK**

First Year in CIP: 2012
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$26,000

Project Description: The service truck most in need of replacement will be sold and replaced.

Project Justification and/or Need: Vehicle 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:

Funding Source(s) for this Project:



<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$26,000
Total	\$26,000

Program Fiscal Year: **2015-2016**
 Project Title: **WWTP PARKING LOT IMPROVEMENTS**

First Year in CIP: 2011
Project Category: Buildings and Grounds
Department: Water and Wastewater

Total Project Cost: \$12,000

Project Description: Reconstruct portions of parking lot at the waste water treatment plant with concrete.

Project Justification and/or Need: Portions of the current concrete lot are cracking and will soon become unusable.

Project Impact/Benefit: Improve safety, reduced tripping and driving hazards, improved efficiency for snow removal.



Operating Fund Impact: Reduce minor maintenance and operating costs by an estimated \$500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$12,000
Total	\$12,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016 (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: \$2,800,000

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.



<u>Project Details:</u>	<u>Phase II</u>
Property Purchase	\$100,000
Planning & Engineering	400,000
Construction	2,000,000
Old Well Field Abandonment	700,000
Contingency	250,000
Legal & Professional	<u>50,000</u>
Total	\$3,500,000

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 DWRP 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>2016</u>	<u>2017</u>	<u>Total</u>
Project Costs (See Detail Above)	\$500,000	\$3,000,000	\$3,500,000
Funding Sources			
DWRP Loan	\$500,000	\$3,000,000	\$3,500,000

Program Fiscal Year: 2016-2017
Project Title: CRIPPEN STREET

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

Total Project Cost: \$60,000

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 Park 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	\$60,000
Total	\$60,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **SOUTH STREET**

First Year in CIP: 2005
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 South Street between Lake Street and the Four Winns Test Center.

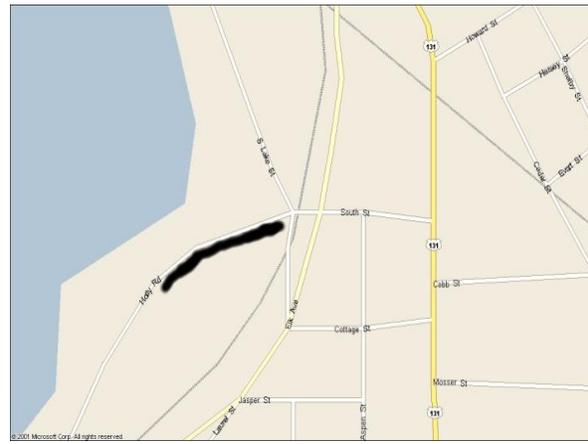
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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



Program Fiscal Year: **2016-2017**
 Project Title: **MARBLE STREET**

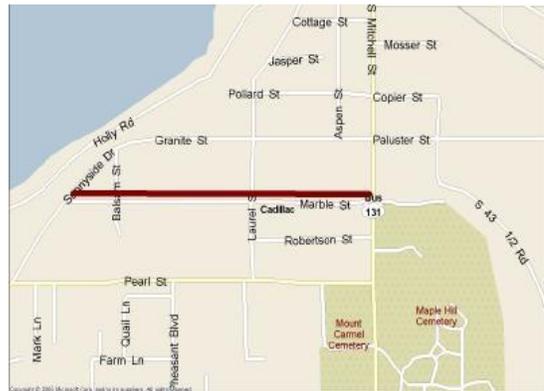
First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$100,000

Project Description: Replace all 6” sewer infrastructure below the street surface with 8” sewer main while it is torn up.

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 \$1,500 per year.

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, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **SMITH STREET**

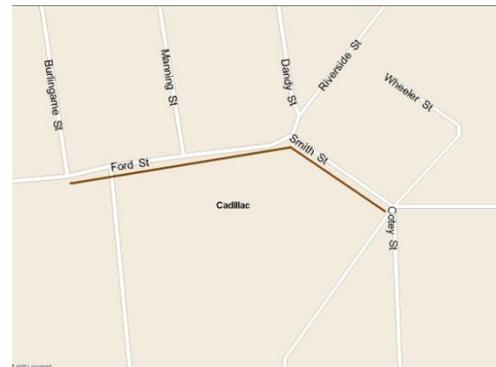
First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$30,000

Project Description: Replace 4” water main on one block with 6” water main below the street surface while it is torn up. This project includes the section of Smith Street from Wheeler Street to Burlingame 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	\$30,000
Total	\$30,000

Program Fiscal Year: **2016-2017**
 Project Title: **BLODGETT STREET**

First Year in CIP: 2004
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 Blodgett Street between Lincoln Street and E. Division Street.

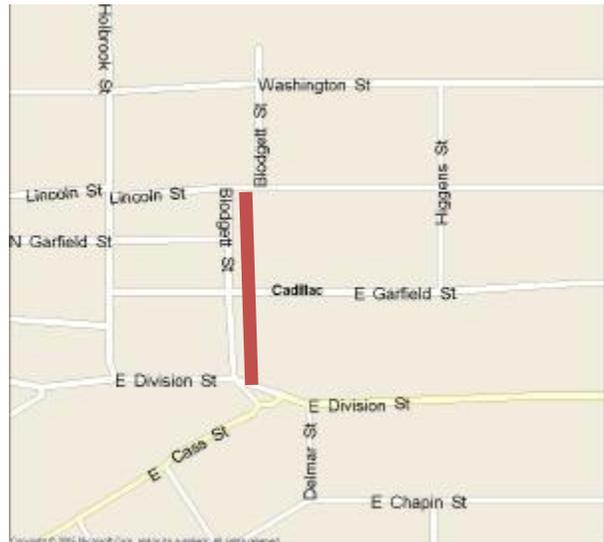
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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	\$25,000
Total	\$25,000



CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **STAFF CAR**

First Year in CIP: 2010
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$18,000

Project Description: Replace 2007 Ford Taurus that will be nearly ten years old.

Project Justification and/or Need: Current staff vehicle is used primarily by director but also is used to transport various staff to locations around the state for training and licensing classes and tests.

Project Impact/Benefit: Replacement will maintain a safe fleet of vehicles to protect employee safety and reduce maintenance costs.



Operating Fund Impact: Newer vehicle will reduce minor maintenance costs by \$500.

Funding Source(s) for this Project:

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

Program Fiscal Year: **2016-2017**
 Project Title: **DUMP TRUCK**

First Year in CIP: 2010
Project Category: Equipment Acquisition
Department: Water and Wastewater

Total Project Cost: \$75,000

Project Description: Purchase new 10-yard dump truck to be used in the Utilities system.

Project Justification and/or Need: Truck will be used frequently to assist with water and sewer repairs and construction. This type of truck is basic equipment for most utilities.

Project Impact/Benefit: Enhance efficiency and productivity in removing debris from excavations in safe and efficient manner.



Operating Fund Impact: Eliminate cost of renting/leasing dump trucks during maintenance activities. Cost savings will be offset by minor maintenance costs.

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, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **MUFFLE FURNACE/DRYING OVEN REPLACEMENT**

First Year in CIP: 2011
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$8,000

Project Description: Replacement of waste water laboratory muffle furnace and drying oven.

Project Justification and/or Need: Both the muffle furnace and drying oven are more than fifteen (15) years old. Both are essential to the suspended solids/volatile suspended solids testing that must be done daily as part of the NPDES permit requirements from the State of Michigan. Equipment is also used for drying samples for process control, industrial permits, and standardizing reagents.

Project Impact/Benefit: Effluent is regularly monitored to insure that too many suspended solids/volatile suspended solids are not being discharged into the Clam River. This would have a significant negative impact on the river. Upgrading this equipment that is critical to this monitoring will improve and maintain the ability to perform this monitoring.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year due to higher-efficiency operations with newer equipment.

Funding Source(s) for this Project:

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

Program Fiscal Year: **2016-2017**

Project Title: **MANHOLE REHABILITATION**

First Year in CIP: 2011
Project Category: Infrastructure Reconstruction
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, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **EMPLOYEE BREAK ROOM AND LOCKER FACILITY**

First Year in CIP: 2011
Project Category: Building and Grounds
Department: Water and Wastewater

Total Project Cost: \$40,000

Project Description: Project would add changing facilities on the grounds of the waste water treatment plant and provide enhanced break room facilities for departmental employees.

Project Justification and/or Need: Current facilities at the plant are small and deficient. Project would improve working conditions for waste water and laboratory employees.

Project Impact/Benefit: Providing employees with on-site changing facilities would enable them to leave uniforms at work, reducing the potential for carrying home any contaminated materials that may have gotten on the uniforms throughout the course of the day.

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

Funding Source(s) for this Project:

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

Program Fiscal Year: **2016-2017**
Project Title: **FEW PUMP REPLACEMENT**

First Year in CIP: 2011
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$20,000

Project Description: Replacement of few pump.

Project Justification and/or Need:

Project Impact/Benefit:

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year due to higher-efficiency operations with newer equipment.

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, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **WATER WELL MAINTENANCE**

First Year in CIP: 2011
Project Category: Equipment Maintenance
Department: Water and Wastewater

Total Project Cost: \$25,000

Project Description: New 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	<u>\$25,000</u>

Program Fiscal Year: **2016-2017**

Project Title: **ULTRAVIOLET DISINFECTION EQUIPMENT**

First Year in CIP: 2013
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$15,000

Project Description: Replacement of ultraviolet (UV) lamps.

Project Justification and/or Need: Replace UV consumables to ensure equipment is operating at maximum efficiency.

Project Impact/Benefit: Equipment will operate at high efficiency and will help keep the plant in compliance with discharge permits.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year due to higher-efficiency operations with newer equipment.

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, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **ATOMIC ABSORPTION SPECTROSCOPY MACHINE**

First Year in CIP: 2011
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$70,000

Project Description: Replacement of atomic absorption spectroscopy (AAS) machine.

Project Justification and/or Need: Current AAS machine will be over fifteen (15) years old at the time of replacement. Both the water and waste water departments utilize this machine on a daily basis for monitoring influent and effluent for NPDES permitting, industrial pretreatment program, lead and copper analyses, etc.



Project Impact/Benefit: Monitoring the lead and copper levels in drinking water provided to users is very important for public health. Monitoring metals flowing into and out of the waste water treatment plant helps make sure that these metals are being properly removed during the treatment process prior to discharging the treated water. This helps protect the environment and aquatic life that is impacted by the plant's discharge.

Operating Fund Impact: Reduce minor maintenance costs by \$1,000 per year due to repair costs. The annual maintenance contract that currently costs approximately \$8,000 per year may go down as well.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$70,000
Total	\$70,000

Program Fiscal Year: **2017-2018**
 Project Title: **WEST BREMER STREET**

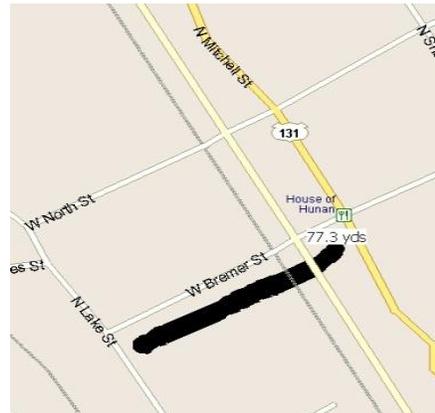
First Year in CIP: 2005
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$85,000

Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of W. Bremer Street located between Lake Street and Mitchell 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	\$85,000
Total	\$85,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **COBB AND CARMEL STREETS**

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

Total Project Cost: \$50,000

Project Description: Replace 1,000 feet of 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

Program Fiscal Year: **2017-2018**

Project Title: **EAST BREMER STREET**

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

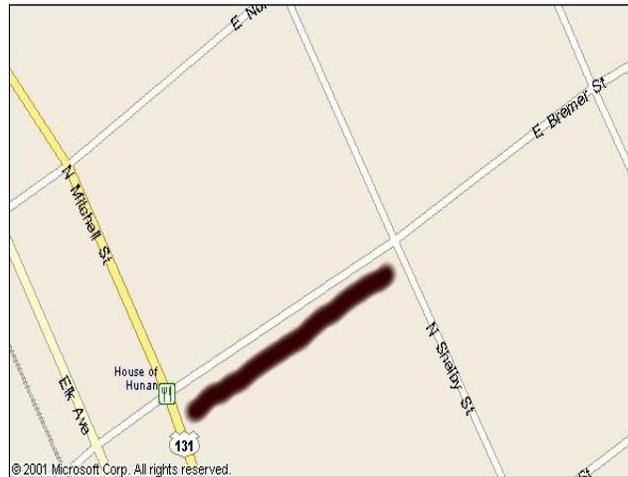
Total Project Cost: \$85,000

Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of E. Bremer Street between Mitchell Street and Shelby 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	\$85,000
Total	\$85,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2017-2018**

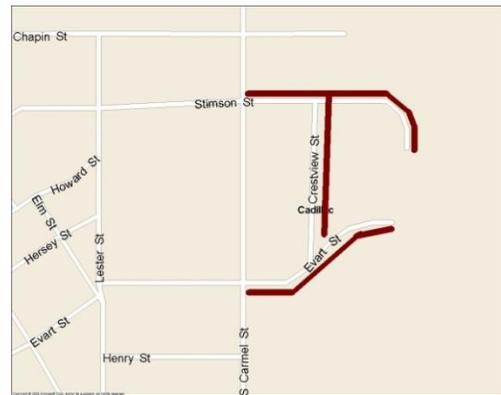
Project Title: **CRESTVIEW, CARMEL AND EVART STREETS**

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

Total Project Cost: \$90,000

Project Description: Replace 4” water main with 6” water main underneath the Evert and Stimson portion of this project while the street is reconstructed. Overall, this project includes Crestview Street from Evert Street to Stimson Street, Evert Street from Carmel Street to the east end of the street, and Stimson Street from Carmel Street to the east end of the 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	\$90,000
Total	\$90,000

Program Fiscal Year: **2017-2018**
 Project Title: **SEWER JETTER**

First Year in CIP: 2008
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$100,000

Project Description: Existing sewer jetter will be replaced.

Project Justification and/or Need: This equipment is needed for unplugging sewer mains. It is needed for smaller sewers and for employees that do not possess a CDL.

Project Impact/Benefit: Project will improve departmental productivity and efficiency.

Operating Fund Impact: Reduce maintenance costs by \$300 per year.

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, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **SERVICE TRUCK**

First Year in CIP: 2012
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$27,000

Project Description: The service truck most in need of replacement will be sold and replaced.

Project Justification and/or Need: Vehicle 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	\$27,000
Total	\$27,000



Program Fiscal Year: **2017-2018**
Project Title: **CIRCULAR PUMP**

First Year in CIP: 2013
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$15,000

Project Description: Replace existing older equipment.

Project Justification and/or Need: Upgrade and modernize equipment to insure efficient plant operations.

Project Impact/Benefit: Project will help insure good digestion of sludge to yield Class A bio-solids for land application.

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

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, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **RETURN ACTIVATED SLUDGE PUMP**

First Year in CIP: 2013
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$11,000

Project Description: Replace existing older equipment.

Project Justification and/or Need: Upgrade and modernize equipment to insure efficient treatment plant operations.

Project Impact/Benefit: Project will improve efficiency and operation of activated sludge process.

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

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$11,000
Total	<u>\$11,000</u>

Program Fiscal Year: **2017-2018**

Project Title: **WATER WELL MAINTENANCE**

First Year in CIP: 2013
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, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **TWO (2) WASTEWATER FUME HOODS**

First Year in CIP: 2013
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$20,000

Project Description: Replace three wastewater fume hood components (fans, piping, etc.)

Project Justification and/or Need: Current fume hoods do not meet the recommended face velocity (90-110 fps) standards. This has been investigated and is caused by failing fans and incorrect ventilation piping.

Project Impact/Benefit: Issues identified above would be eliminated. Fume hoods are used for acid digestions, pouring up acids/caustics, and drying/burning wastewater samples. All of these can have negative impacts on respiratory systems, eyes, etc. Proper air flow helps address these concerns.

Operating Fund Impact: Proper safety equipment will help ensure employee safety, thereby limiting costs of lost time injuries and their impact on insurance rates.

Funding Source(s) for this Project:

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

Program Fiscal Year: **2017-2018**

Project Title: **MANHOLE REHABILITATION**

First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
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, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **BIOLOGICAL OXYGEN DEMAND INCUBATOR**

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

Total Project Cost: \$7,500

Project Description: Replacement of biological oxygen demand (BOD) incubator at waste water treatment plant.

Project Justification and/or Need: The current incubator was purchased in 1999 and will be nearly twenty (20) years old when it is replaced. BOD is monitored daily for the system's NPDES permit and must be incubated at very specific temperatures to ensure reliable and accurate results.

Project Impact/Benefit: High BOD in effluent could have detrimental effects where discharged, which in Cadillac's case is the Clam River. BOD needs to be accurately monitored to make sure that low BOD's are being maintained in the plant's effluent discharge.

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

Funding Source(s) for this Project:

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

Program Fiscal Year: 2018-2019
Project Title: COLFAX STREET

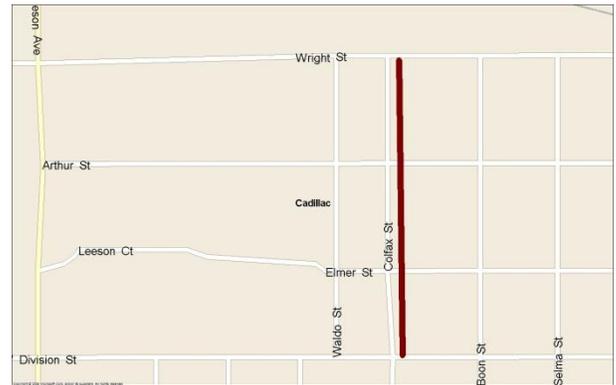
First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$60,000

Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the section of Colfax Street located between W. Division Street and Wright 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	\$60,000
Total	\$60,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2018-2019**

Project Title: **WATER WELL MAINTENANCE**

First Year in CIP: 2014
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	<u>\$25,000</u>

Program Fiscal Year: **2018-2019**

Project Title: **¾-TON, 4X4 SERVICE TRUCK**

First Year in CIP: 2014
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 more than 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, 2016-2020

Program Fiscal Year: **2018-2019**

Project Title: **MOBILE DIESEL AIR COMPRESSOR**

First Year in CIP: 2014
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$20,000

Project Description: Replace existing 1990 Ingersol Rand Air Compressor.

Project Justification and/or Need: Used for routine/emergency service calls, pavement breaking. Current model will be nearly 30 years old and will be in need of replacement.



Project Impact/Benefit: Maintain the high degree of customer satisfaction for service calls and repairs our customers are accustomed to.

Operating Fund Impact: Reduced Maintenance/Repair costs, more fuel efficient.

Funding Source(s) for this Project:

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

Program Fiscal Year: **2018-2019**

Project Title: **MANHOLE REHABILITATION**

First Year in CIP: 2014
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, 2016-2020

Program Fiscal Year: **2018-2019**

Project Title: **LAB FRIDGES AND FREEZERS**

First Year in CIP: 2014
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$10,000

Project Description: Replace wastewater and drinking water lab refrigerators and freezers.

Project Justification and/or Need: The labs need to store samples, reagents and standards at temperatures that must be maintained below six degrees centigrade in order to be compliant with regulations.

Project Impact/Benefit: Properly stored samples, reagents and standards ensure the most accurate results with the least amount of change to the original sample.

Operating Fund Impact: Newer appliances will be more energy efficient and use less energy and require less repairs.

Funding Source(s) for this Project:

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

Program Fiscal Year: **2018-2019**
Project Title: **FERRIC PUMPS**

First Year in CIP: 2014
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$10,000

Project Description: Replace Ferric pumps at the waste water plant.

Project Justification and/or Need: Replace worn out ferric pumps.

Project Impact/Benefit: Safety of employees will be enhanced with updating equipment used to pump hazardous materials while also making sure the process of the plant is maintained.

Operating Fund Impact: Reduce maintenance costs of up to \$500 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, 2016-2020

Program Fiscal Year: **2018-2019**

Project Title: **CUTTER STACK FOR MUFFIN MONSTER**

First Year in CIP: 2014
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$25,000

Project Description: Replace cutter stacks in current muffin monster in the Digester.

Project Justification and/or Need: New Cutters will prevent rags from getting into the Digester and clogging pumps.

Project Impact/Benefit: Safety of employees will be enhanced with updated equipment. Health and welfare of the workers and community is an important component of waste water treatment operations.

Operating Fund Impact: Reduced pump maintenance costs of up to \$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>

Program Fiscal Year: **2018-2019**

Project Title: **CONCRETE/ASPHALT WORK AT WWTP**

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

Total Project Cost: \$105,000

Project Description: Replace asphalt and concrete at the waste water plant.

Project Justification and/or Need: Parts of the road and concrete work at the waste water plant are starting to show signs of failing.

Project Impact/Benefit: Safety of employees will be enhanced and resurfacing the roads and parking lot areas will protect against damage to equipment.



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	\$105,000
Total	\$105,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2018-2019**

Project Title: **TWO (2) SERVICE TRUCKS**

First Year in CIP: 2014
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$50,000

Project Description: Replace service vehicles.

Project Justification and/or Need: Regular updating of service vehicle fleet enhances efficiency and response to service demand.

Project Impact/Benefit: Enhance productivity and efficiency and eliminate down time and costly repairs associated with older vehicles.

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

Funding Source(s) for this Project:

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

Program Fiscal Year: **2018-2019**
Project Title: **BAR SCREENS AT WWTP**

First Year in CIP: 2014
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$50,000

Project Description: Replace old bar screens on influent channel at the waste water plant.

Project Justification and/or Need: New bar screens will prevent rags from getting into the plant and clogging pumps.

Project Impact/Benefit: Updating equipment enhances safety of employees and protects ongoing operations at the treatment plant.

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	\$50,000
Total	\$50,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2018-2019**

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

Program Fiscal Year: **2019-2020**

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, 2016-2020

Program Fiscal Year: **2019-2020**

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>

Program Fiscal Year: **2019-2020**

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, 2016-2020

Program Fiscal Year: **2019-2020**

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

Program Fiscal Year: **2019-2020**

Project Title: **EQ BASIN BLOCK REPLACEMENT/REPAIR**

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

Total Project Cost: \$25,000

Project Description: Replace basin blocks.

Project Justification and/or Need: The portion of the EQ basin that is above the ground is in terrible shape. The structure is no longer sound due to years of service. The cinder blocks need to be replaced and the roof needs to be capped.

Project Impact/Benefit: Protect system and treatment process integrity and stability.

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	\$25,000
Total	\$25,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2019-2020**

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	\$55,000

Program Fiscal Year: **2019-2020**
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	<u>\$25,000</u>

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2019-2020**

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>

Program Fiscal Year: **2019-2020**

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	<u>\$60,000</u>

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2019-2020**

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	<u>\$30,000</u>

Projects Identified – Stores and Garage

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

Plan Fiscal Year: 2015-2016

TANDEM AXLE PLOW TRUCK	195,000
1-TON 4X4 TRUCK CHASSIS ONLY	40,000
3/4-TON 4X4 PICKUP TRUCK	25,000
Total for FY 2015-2016	\$260,000

Plan Fiscal Year: 2016-2017

USED BUCKET TRUCK	75,000
REGENERATIVE STREET SWEEPER	175,000
V-PLOW FOR MEDIUM DUTY TRACTOR	8,500
Total for FY 2016-2017	\$258,500

Plan Fiscal Year: 2017-2018

SINGLE AXLE PLOW TRUCK	160,000
REPLACEMENT UNDERBODY PLOW	9,500
REVERSING FRONT PLOW	9,000
3/4-TON 4X4 PICKUP TRUCK	30,000
Total for FY 2017-2018	\$208,500

Plan Fiscal Year: 2018-2019

SINGLE AXLE PLOW TRUCK	160,000
REVERSING FRONT PLOW	9,000
RIDING LAWN MOWER	10,000
SIDEWALK AND PARKING LOT SWEEPER	25,000
Total for FY 2018-2019	\$204,000

Plan Fiscal Year: 2019-2020

SINGLE AXLE BLADE TRUCK WITH REVERSING PLOW	185,000
DUAL WHEEL 29' BUCKET TRUCK	65,000
ALLEY TRACTOR	45,000
Total for FY 2019-2020	\$295,000

Grand Total for Stores and Garage	<u><u>\$1,226,000</u></u>
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CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **TANDEM AXLE PLOW TRUCK**

First Year in CIP: 2007
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$195,000

Project Description: Plow trucks typically remain in service for 10 years. This project will replace an 11-year old truck. Final cost represents purchase price less an estimated \$10,000 trade-in of current truck. Purchase includes all plows: underbody, one-way, and wing plow.



Project Justification and/or Need: The existing blade truck that is scheduled to be replaced is 11 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	\$195,000
Total	\$195,000

Program Fiscal Year: 2015-2016
Project Title: 1-TON 4X4 CHASSIS

First Year in CIP: 2005
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$40,000

Project Description: Replace essential street maintenance vehicle originally purchased in 2001 that is now at the end of its useful life. Chassis only will be replaced, and the dump equipment will be transferred to the new vehicle.

Project Justification and/or Need: Current vehicle is fifteen years old. Age of vehicle will result in significant increase in repairs and maintenance and related down time. Vehicle needs to be replaced to maintain productivity.

Project Impact/Benefit: Street maintenance efficiency will be maintained which helps to extend the useful life of the street system.

Operating Fund Impact: Reduce minor maintenance costs by \$2,000 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

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **¾-TON 4X4 PICKUP TRUCK**

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

Total Project Cost: \$25,000

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	\$25,000
Total	\$25,000

Program Fiscal Year: **2016-2017**
 Project Title: **BUCKET TRUCK**

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

Total Project Cost: \$75,000

Project Description: Replace existing 1997 bucket truck that is used for forestry program and for repair/replacement of parking lot lighting. A used, later model bucket truck will be pursued for this replacement.



Project Justification and/or Need: Existing unit is used for all tree removals and trimming activities. The boom portion of the truck gets the toughest use and will need major repair work in the next few years. Replacement will reduce costly downtime and repair costs and will enhance the safety of the forestry crew.

Project Impact/Benefit: Enhance employee safety and maintain productivity by reducing 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	\$75,000
Total	\$75,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **REGENERATIVE AIR STREET SWEEPER**

First Year in CIP: 2009
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$175,000

Project Description: A new regenerative air street sweeper will be purchased to replace the current sweeper which will be over 15 years old.

Project Justification and/or Need: This type of sweeper is used for routine street sweeping. Maintenance costs on the existing unit are increasing each year as the working environment is harsh. The city must continue the street sweeping program, and quality sweepers are essential to complete this process.



Project Impact/Benefit: Important street sweeping and catch basin cleaning activities will continue to be possible with reliable, efficient equipment.

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	\$175,000
Total	\$175,000

Program Fiscal Year: **2016-2017**

Project Title: **V-PLOW FOR MEDIUM DUTY TRACTOR**

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

Total Project Cost: \$8,500

Project Description: Purchase a V-plow to attach to the existing medium duty tractor. Tractor is used to plow alleys in winters and maintain gravel roads, alleys and shoulders in summer.

Project Justification and/or Need: This new plow will extend the usability of the current tractor that 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	\$8,500
Total	\$8,500

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **SINGLE AXLE PLOW TRUCK**

First Year in CIP: 2008
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. Purchase will include all auxiliary plow: underbody and one-way plows.

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

Program Fiscal Year: 2017-2018
Project Title: UNDERBODY PLOW

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

Total Project Cost: \$9,500

Project Description: Underbody plows are purchased as part of a plow truck package. They need to be replaced every 5 years.

Project Justification and/or Need: Harsh use dictates replacement of underbody plows every 5 years. These plows are used to blade snow in the winter and gravel roadways in the summer.

Project Impact/Benefit: Regular replacement is critical to be able to perform vital snow removal and gravel road maintenance.



Operating Fund Impact: Reduce minor maintenance costs by \$800 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$9,500
Total	\$9,500

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **REVERSING FRONT FLOW**

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

Total Project Cost: \$9,000

Project Description: Plows are purchased as part of a plow truck package. They need to be replaced every 5 years.

Project Justification and/or Need: These plows are used to blade snow in the winter and gravel roadways in the summer.

Project Impact/Benefit: Regular replacement is critical to be able to perform vital snow removal and gravel road maintenance.

Operating Fund Impact: Reduce minor maintenance costs by \$800 per year.



Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$9,000
Total	\$9,000

Program Fiscal Year: **2017-2018**

Project Title: **¾-TON 4X4 PICKUP TRUCK**

First Year in CIP: 2013
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, 2016-2020

Program Fiscal Year: **2018-2019**

Project Title: **SINGLE AXLE PLOW 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.

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

Program Fiscal Year: **2018-2019**
 Project Title: **REVERSING FRONT PLOW**

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

Total Project Cost: \$9,000

Project Description: Plows are purchased as part of a plow truck package. They need to be replaced every 5 years.

Project Justification and/or Need: These plows are used to blade snow in the winter and gravel roadways in the summer.

Project Impact/Benefit: Regular replacement is critical to be able to perform vital snow removal and gravel road maintenance.

Operating Fund Impact: Reduce minor maintenance costs by \$800 per year.



Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$9,000
Total	\$9,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2018-2019**

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

Program Fiscal Year: **2018-2019**

Project Title: **SIDEWALK AND PARKING LOT SWEEPER**

First Year in CIP: 2007
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$25,000

Project Description: A new sidewalk sweeper will be purchased to replace existing unit originally placed in service in 1999.

Project Justification and/or Need: Sidewalk and parking lot sweeping activities are critical in maintaining the visual appearance of the downtown area. This sweeper is operated almost daily from May through October of each year. It has enabled the city to maintain the sidewalks and off-street parking in the downtown business district in a much more efficient and comprehensive manner.



Project Impact/Benefit: Keeping the downtown beautiful in the summer is an important activity in the attraction and retention of both businesses and shoppers. Having the right equipment that operates reliably is important.

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, 2016-2020

Program Fiscal Year: **2019-2020**

Project Title: **SINGLE AXLE PLOW TRUCK WITH REVERSING PLOW**

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

Total Project Cost: \$185,000

Project Description: Plow trucks typically remain in service for 10 years. This project will replace a truck is well beyond ten years old. Final cost represents purchase price less an estimated \$10,000 trade-in of current truck.

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	\$185,000
Total	\$185,000

Program Fiscal Year: 2019-2020
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	\$65,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2019-2020**

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



Projects Identified – Information Technology

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

Plan Fiscal Year: 2015-2016

COMPUTER REPLACEMENT	20,000	
IT INFRASTRUCTURE	20,000	
Total for FY 2015-2016	\$40,000	

Plan Fiscal Year: 2016-2017

IT INFRASTRUCTURE	20,000	
COMPUTER SOFTWARE REPLACEMENT	125,000	
COMPUTER REPLACEMENT	20,000	
Total for FY 2016-2017	\$165,000	

Plan Fiscal Year: 2017-2018

COMPUTER REPLACEMENT	20,000	
IT INFRASTRUCTURE	50,000	
Total for FY 2017-2018	\$70,000	

Plan Fiscal Year: 2018-2019

COMPUTER REPLACEMENT	20,000	
Total for FY 2018-2019	\$20,000	

Plan Fiscal Year: 2019-2020

IT INFRASTRUCTURE	20,000	
COMPUTER REPLACEMENT	20,000	
Total for FY 2019-2020	\$40,000	

Grand Total for Information Technology		\$335,000
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CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2010
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>

Program Fiscal Year: **2015-2016**
 Project Title: **IT INFRASTRUCTURE**

First Year in CIP: 2013
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, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **IT INFRASTRUCTURE**

First Year in CIP: 2014
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



Program Fiscal Year: **2016-2017**
 Project Title: **SOFTWARE REPLACEMENT**

First Year in CIP: 2014
Project Category: Software Replacement
Department: Information Technology

Total Project Cost: \$125,000

Project Description: Replace core software systems responsible for general ledger, payroll, accounts payable, cash receipting, miscellaneous billing, and utility billing.

Project Justification and/or Need: Current system was purchased in 2004 and is now 10 years old. Annual maintenance fees are high with the current package and restrict any additional investment in new capabilities. Purchase will reduce annual maintenance fees by 2/3 and will enable the implementation of additional functionality and customer service.



Project Impact/Benefit: City staff will be able to increase productivity and efficiency by utilizing advancements in software capabilities.

Operating Fund Impact: Reduce annual maintenance fees by over \$20,000 per year and increase staff efficiency by having all core software provided by one vendor.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$125,000
Total	\$125,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2011
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>

Program Fiscal Year: **2017-2018**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2013
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, 2016-2020

Program Fiscal Year: **2017-2018**

Project Title: **IT INFRASTRUCTURE**

First Year in CIP: 2013
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$50,000

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	\$50,000
Total	\$50,000



Program Fiscal Year: **2018-2019**
 Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2014
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, 2016-2020

Program Fiscal Year: **2019-2020**

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	\$20,000



Program Fiscal Year: **2019-2020**

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	<u>\$20,000</u>

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Projects Identified – Industrial Parks

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

Plan Fiscal Year: 2015-2016

ENTRANCE SIGNS		25,000
	Total for FY 2015-2016	\$25,000

Plan Fiscal Year: 2016-2017

** NO PROJECTS **		-
	Total for FY 2016-2017	\$0

Plan Fiscal Year: 2017-2018

** NO PROJECTS **		-
	Total for FY 2017-2018	\$0

Plan Fiscal Year: 2018-2019

** NO PROJECTS**		-
	Total for FY 2018-2019	\$0

Plan Fiscal Year: 2019-2020

JAMES E. POTVIN INDUSTRIAL PARK		525,000
	Total for FY 2019-2020	\$525,000

		\$550,000
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Grand Total for Industrial Parks

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **INDUSTRIAL PARK ENTRANCE SIGNS**

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

Total Project Cost: \$25,000

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	\$25,000
Total	\$25,000

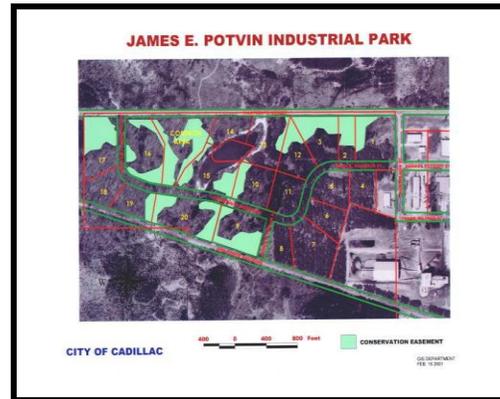
Program Fiscal Year: **2019-2020**

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

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

Total Project Cost: \$525,000

Project Description: Phase II of the park expansion will result in the development of lots 15-20.



Project Details:

Water System	\$168,300
Sanitary Sewer System	81,500
Streets and Storm Water	<u>275,200</u>
 Total	 <u>\$525,000</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>
Grant from EDA (70%)	\$366,900
Local Industrial Park Funds (30%)	158,100
Total	<u>\$525,000</u>

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Projects Identified – Community Development

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

Plan Fiscal Year: 2015-2016

ROTARY PERFORMING ARTS PAVILION UPGRADES	\$300,000
PLACE-PLANS DEVELOPMENT	550,000
Total for FY 2015-2016	\$850,000

Plan Fiscal Year: 2016-2017

WHITE PINE TRAIL CONNECTOR	250,000
Total for FY 2016-2017	\$250,000

Plan Fiscal Year: 2017-2018

** NO PROJECTS **	-
Total for FY 2017-2018	\$0

Plan Fiscal Year: 2018-2019

** NO PROJECTS**	-
Total for FY 2018-2019	\$0

Plan Fiscal Year: 2019-2020

** NO PROJECTS **	-
Total for FY 2019-2020	\$0

Grand Total for Downtown Development	\$1,100,000
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CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2015-2016**

Project Title: **ROTARY PERFORMING ARTS PAVILION UPGRADES**

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

Total Project Cost: \$300,000

Project Description: Implement the physical elements of the Rotary Performing Arts Pavilion master plan.

Project Justification and/or Need: A study was recently conducted regarding the future of the pavilion and surrounding area. The Cadillac Rotary Club has pledged a significant donation that will be used to leverage other state and federal grant funds to implement significant physical improvements to the pavilion area.

Project Impact/Benefit: Project will significantly enhance the pavilion and the grounds surrounding it. The pavilion is a very frequently used amenity in the City's lakefront park area.

Operating Fund Impact: Increase annual maintenance and repair costs \$5,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Donations/Grants/Local Funds	300,000
Total	\$300,000



Program Fiscal Year: **2015-2016**

Project Title: **HERITAGE PARK PLACE-PLANS PROJECT**

First Year in CIP: 2015
Project Category: Other Infrastructure
Department: Community Development

Total Project Cost: \$550,000

Project Description: Implement the design recommendations of the Cadillac Heritage Plaza PlacePlan Report.

Project Justification and/or Need: The project is needed for purposes of advancing the economic well-being of Downtown Cadillac through the development of a series of physical enhancements designed to increase pedestrian activity and business synergy.



Project Impact/Benefit: The project is anticipated to foster the redevelopment and/or expansion of a range of downtown businesses and to increase pedestrian activity in the downtown leading to increased sales, modernization of buildings, and increased tax revenue.

Operating Fund Impact: Increase annual maintenance and repair costs for the public infrastructure components of the project \$5,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Michigan Economic Development Corporation	\$200,000
Downtown Development Authority	250,000
Current Property Tax Revenues	100,000
Total	\$550,000

CITY OF CADILLAC

Capital Improvement Program

For the fiscal years ending June 30, 2016-2020

Program Fiscal Year: **2016-2017**

Project Title: **WHITE PINE TRAIL CONNECTOR**

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

Total Project Cost: \$250,000

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>
Grants	\$200,000
Downtown Development Authority	50,000
Total	<u>\$250,000</u>





**Capital Improvement
Program**
July 1, 2015 - June 30, 2020