



5-Year Capital Improvement Program
July 1, 2013—June 30, 2018



Cadillac MICHIGAN



William Barnett, 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



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CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Timeline of Capital Improvement Program Development Activities

<u>Activity</u>	<u>Date</u>
• Department heads submit updates to prior Capital Improvement Program and new project proposals to Financial Services Department	December 31, 2012
• Proposed Five-year Capital Improvement Program developed and submitted to City Manager for review	January 24, 2013
• Work Session – City Council meets to consider proposed 2014-2018 Capital Improvement Program	February 4, 2013
• Public Hearing date set	February 4, 2013
• Work Session – City Council meets to consider proposed 2014-2018 Capital Improvement Program	(If Needed)
• Public Hearing to consider adoption of proposed 2014-2018 Capital Improvement Program	February 18, 2013
• City Council adoption of final proposed 2014-2018 Capital Improvement Program	February 18, 2013



February 4, 2013

Honorable Mayor Barnett
Cadillac City Council
City of Cadillac
Cadillac, MI 49601

Mr. Mayor and members of the Council:

It is my pleasure to submit for your review and consideration the Capital Improvement Program (CIP) for the City of Cadillac for fiscal years 2014-2018. This CIP is an important component of the overall planning process at the City. I am confident that this document fairly presents the capital needs of the City for the next five years, while also aligning with the goals and priorities set forth by the Council and the desires of City residents.

As part of this planning process, each department submitted proposals for projects that they recommended for completion in the next five fiscal years. As we continue to face difficult economic conditions, the CIP serves as a critical planning document which identifies major capital investments that will be undertaken by the City in upcoming years. While the outlying years serve as an important planning tool, the first year of the program will directly impact the annual budget process that will begin in the next couple of months. This emphasizes the importance of this program.

The current CIP presents \$11,847,800 in proposed projects throughout the City. One of the significant challenges that we will be facing over the next several fiscal years is the impact of the national and state economy on revenues that we receive from the State of Michigan and the federal government, including gas and weight taxes, state shared revenues, and other grant funds. This will result in an additional burden on local tax dollars to help fund an increased number of capital projects over the next five fiscal years. Prudent long-term planning will be essential as we walk through these times.

While the future promises to be challenging, I believe that the information found in this 5-Year Capital Improvement Program for the fiscal years from 2014-2018 will provide a framework that will enable us to plan effectively for the capital needs facing our community. I look forward to working with the City Council, staff, and the community to ensure the long-term viability of the City of Cadillac.

Respectfully submitted,

Marcus A. Peccia
City Manager



Council Mission & Vision Concepts

Mission Statement

It is the mission of the City of Cadillac to be a well-managed, environmentally conscious and fiscally responsible appealing community in northwest Michigan. We will encourage and advocate for an environment for living and working that is founded upon a strong community spirit of trust, broad-based citizen involvement, and dignity and respect for all regardless of ethnic, social, or economic backgrounds.

Vision Statements

The City preserves and enhances its character and quality of life, and will be responsive to the changing needs of the residents and environment in a fiscally responsible manner.

The City will be an outstanding example of a well-managed, planned community which protects and enhances its historical heritage, architecturally significant buildings, residential neighborhoods, natural resources, open spaces and recreational areas. The City fosters well-planned business and commercial districts, encompassing a variety of industrial, manufacturing, retail and service establishments.

A strong commitment will be made to public health and safety, the maintenance of our infrastructure, and the conservation of our open spaces and natural resources, and where and when applicable, environmentally "green" practices will be utilized. Community services are distinguished by a strong commitment to quality, efficiency and outstanding public facilities, supported by reasonable property tax rates and/or fees.

The City will be known for its promotion of dignity, respect, and cooperation among residents regardless of ethnic, social, or economic backgrounds, as well as will be known for its promotion of cooperation among businesses, community agencies, and other units of government.

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, 2014-2018

Program Summary

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

Department	For the fiscal year ending June 30,					Total
	2013	2014	2015	2016	2017	
Complex/Administration	117,500	306,500	200,000	0	0	624,000
Public Safety						
Police	60,000	43,000	31,000	32,000	32,000	198,000
Fire	18,000	38,000	385,000	0	0	441,000
Municipal Parks	145,000	69,000	67,500	74,000	7,500	363,000
Total General Fund	340,500	456,500	683,500	106,000	39,500	1,626,000
Major Streets	37,500	111,500	40,000	330,000	175,000	694,000
Local Streets	556,500	397,500	192,500	7,500	281,500	1,435,500
Cemetery Operating	31,000	40,000	9,000	50,000	9,000	139,000
Industrial Parks	25,000	0	0	0	525,000	550,000
Water and Wastewater	1,346,000	2,824,000	663,800	346,000	468,500	5,648,300
Stores and Garage	234,000	255,000	252,000	360,000	369,000	1,470,000
Information Technology	135,000	40,000	20,000	20,000	70,000	285,000
Totals	\$2,705,500	\$4,124,500	\$1,860,800	\$1,219,500	\$1,937,500	\$11,847,800

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	For the fiscal year ending June 30,					Total
	2013	2014	2015	2016	2017	
Current Property Tax Revenues	263,000	206,500	483,500	66,000	39,500	1,058,500
Donations						
Donations Received	0	0	0	0	0	0
Future Donations	0	50,000	0	90,000	0	140,000
Operating Revenues	1,271,000	859,000	944,800	726,000	1,074,600	4,875,400
MVHF	594,000	509,000	232,500	337,500	456,500	2,129,500
DWRF	500,000	2,300,000	0	0	0	2,800,000
Grants	0	200,000	0	0	366,900	566,900
Special Assessments	77,500	0	200,000	0	0	277,500
Totals	\$2,705,500	\$4,124,500	\$1,860,800	\$1,219,500	\$1,937,500	\$11,847,800

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: 2013-2014				
Department	Project	Year 1 Priority	Cost	Page
Gen'l Government	FLOOR COVERING		10,500	8
Gen'l Government	CONCRETE APRON REPLACEMENTS		22,000	9
Gen'l Government	PAVED DRIVEWAY APPROACHES		85,000	10
Public Safety	POLICE PATROL VEHICLE		30,000	18
Public Safety	INCIDENT MANAGEMENT SOFTWARE		30,000	19
Public Safety	RESCUE TOOLS		18,000	20
Parks	KENWOOD BATHROOM		80,000	30
Parks	PARKING LOT UPGRADES - LAKE/CHESTNUT STREETS		35,000	31
Parks	ENCLOSED TRACTOR WITH ATTACHMENTS		30,000	32
Major Street	FRANCIS AND E. DIVISION STREET IMPROVEMENTS		30,000	42
Major Street	STREET SIGN REPLACEMENT		7,500	43
Local Street	WHEELER STREET (RIVER TO POWERS)		110,000	52
Local Street	EVART STREET (OAK TO LESTER)		70,000	53
Local Street	HOLLY ROAD (BARBARA TO WREN)		99,000	54
Local Street	EAST GARFIELD STREET (HOLBROOK TO HIGGINS)		120,000	55
Local Street	SIMONS STREET (HARRIS TO BREMER)		150,000	56
Local Street	STREET SIGN REPLACEMENT		7,500	57
Cemetery	PICKUP TRUCK		22,000	74
Cemetery	RIDING LAWN MOWER		9,000	75
Industrial Parks	ENTRANCE SIGNS		25,000	82
Water/Wastewater	WHEELER STREET		65,000	87
Water/Wastewater	EVART STREET		50,000	88
Water/Wastewater	HOLLY ROAD		30,000	89
Water/Wastewater	EAST GARFIELD STREET		35,000	90
Water/Wastewater	SIMONS STREET		30,000	91
Water/Wastewater	NORTH SIMONS STREET		30,000	92
Water/Wastewater	FRANCIS AND E. DIVISION STREET		30,000	93
Water/Wastewater	VEHICLE TRANSCEIVER UNIT (VXU) REPLACEMENT		65,000	94
Water/Wastewater	GLOBAL POSITION SYSTEM (GPS) EQUIPMENT		8,000	95
Water/Wastewater	SEWER CAMERA		10,000	96
Water/Wastewater	TRACTOR BACKHOE		85,000	97
Water/Wastewater	SEWER VACUUM/JET TRUCK		400,000	98
Water/Wastewater	EQUALIZATION BASIN IMPROVEMENTS		8,000	99
Water/Wastewater	WATER SUPPLY IMPROVEMENTS		500,000	100

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2013-2014 (Continued)

Stores & Garage	WHEEL LOADER WITH SNOW BUCKET	160,000	146
Stores & Garage	1-TON 4X4 DUALY PICKUP TRUCK	40,000	147
Stores & Garage	3/4-TON 4X4 PICKUP TRUCK	25,000	148
Stores & Garage	REPLACEMENT UNDERBODY PLOWS	9,000	149
IT	COMPUTER REPLACEMENT	20,000	166
IT	SOFTWARE REPLACEMENT	115,000	167

Total for FY 2013-2014 **\$2,705,500**

Plan Fiscal Year: 2014-2015

Department	Project	Cost	Page
Gen'l Government	AUTOMATED EXTERNAL DEFIBRILLATORS	7,500	11
Gen'l Government	UPGRADE MUNICIPAL COMPLEX RESTROOMS	30,000	12
Gen'l Government	STAFF VEHICLE	19,000	13
Gen'l Government	WHITE PINE TRAIL CONNECTOR	250,000	14
Public Safety	POLICE K-9 VEHICLE	35,000	21
Public Safety	PORTABLE RADIOS	8,000	22
Public Safety	FIRE RESCUE VEHICLE	38,000	23
Parks	KENWOOD PARKING LOT	60,000	33
Parks	RIDING LAWN MOWER	9,000	34
Major Street	WEST DIVISION STREET (LEESON TO SENECA)	104,000	44
Major Street	STREET SIGN REPLACEMENT	7,500	45
Local Street	CRIPPEN STREET (MITCHELL TO PARK)	105,000	58
Local Street	SELMA STREET (W. DIVISION TO WRIGHT)	100,000	59
Local Street	SOUTH STREET (LAKE TO FOUR WINNS TEST CENTER)	50,000	60
Local Street	ALDRICH STREET (BOND TO LINDEN)	60,000	61
Local Street	MARBLE STREET (MITCHELL TO SUNNYSIDE)	75,000	62
Local Street	STREET SIGN REPLACEMENT	7,500	63
Cemetery	CEMETERY ROAD PAVING	40,000	76
Water/Wastewater	CRIPPEN STREET	58,000	101
Water/Wastewater	SELMA STREET	91,000	102
Water/Wastewater	SOUTH STREET	35,000	103
Water/Wastewater	ALDRICH STREET	40,000	104
Water/Wastewater	MARBLE STREET	100,000	105
Water/Wastewater	R&D PUMP	10,000	106
Water/Wastewater	SERVICE TRUCK (HEAVY DUTY)	30,000	107
Water/Wastewater	SERVICE TRUCK (REGULAR DUTY)	20,000	108
Water/Wastewater	MANHOLE REHABILITATION	25,000	109
Water/Wastewater	LIFT STATION INFLUENT GATE VALVES	75,000	110
Water/Wastewater	LABORATORY STILLS	30,000	111
Water/Wastewater	13TH STREET STORM POND TRANSFORMER	10,000	112
Water/Wastewater	WATER SUPPLY IMPROVEMENTS	2,300,000	100
Stores & Garage	TANDEM AXLE PLOW TRUCK	195,000	150
Stores & Garage	1-TON 4X4 TRUCK WITH DUMP BOX	35,000	151
Stores & Garage	3/4-TON 4X4 PICKUP TRUCK	25,000	152
IT	COMPUTER REPLACEMENT	20,000	168
IT	IT INFRASTRUCTURE	20,000	169

Total for FY 2014-2015 **\$4,124,500**

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Plan Fiscal Year: 2015-2016

Department	Project	Cost	Page
Gen'l Government	COBB STREET SIDEWALK	100,000	15
Gen'l Government	PEARL STREET SIDEWALK	100,000	16
Public Safety	POLICE PATROL VEHICLE	31,000	24
Public Safety	FIRE PUMPER	385,000	25
Parks	SPRINKLER SYSTEM REPLACEMENT	60,000	35
Parks	SHORELINE STABILIZATION	7,500	36
Major Street	WEST BREMER STREET (LAKE TO MITCHELL)	40,000	46
Local Street	EAST BREMER STREET (MITCHELL TO PARK)	50,000	64
Local Street	SMITH STREET (WHEELER TO BURLINGAME)	60,000	65
Local Street	BLODGETT STREET (LINCOLN TO E. DIVISION)	75,000	66
Local Street	STREET SIGN REPLACEMENT	7,500	67
Cemetery	RIDING MOWER	9,000	77
Water/Wastewater	WEST BREMER STREET	38,000	113
Water/Wastewater	EAST BREMER STREET	85,000	114
Water/Wastewater	SMITH STREET	30,000	115
Water/Wastewater	BLODGETT STREET	23,800	116
Water/Wastewater	MANHOLE REHABILITATION	25,000	117
Water/Wastewater	RAW/PRIMARY SAMPLER REPLACEMENT	10,000	118
Water/Wastewater	WATER TOWER PAINTING	230,000	119
Water/Wastewater	WASTEWATER FUME HOOD	10,000	120
Water/Wastewater	WASTEWATER PARKING LOT IMPROVEMENTS	12,000	121
Water/Wastewater	COBB STREET	200,000	122
Stores & Garage	VACUUM STREET SWEEPER/CATCH BASIN CLEANER	198,000	153
Stores & Garage	REPLACEMENT UNDERBODY PLOWS	9,000	154
Stores & Garage	MEDIUM-DUTY TRACTOR	45,000	155
IT	COMPUTER REPLACEMENT	20,000	170

Total for FY 2015-2016 \$1,860,800

Plan Fiscal Year: 2016-2017

Department	Project	Cost	Page
Public Safety	POLICE PATROL VEHICLE	32,000	26
Parks	SKATE PARK EQUIPMENT	40,000	37
Parks	WALKWAY BRIDGE GAZEBO	25,000	38
Parks	RIDING LAWN MOWER	9,000	39
Major Street	LEESON STREET (CHESTNUT TO WEST DIVISION)	130,000	47
Major Street	LAKE STREET (CHAPIN TO POLLARD)	200,000	48
Local Street	STREET SIGN REPLACEMENT	7,500	68
Cemetery	ENTRANCE PILLARS	50,000	78
Water/Wastewater	LAKE STREET	50,000	123
Water/Wastewater	STAFF CAR	18,000	124
Water/Wastewater	DUMP TRUCK	75,000	125
Water/Wastewater	MUFFLE FURNACE/DRYING OVEN REPLACEMENT	8,000	126
Water/Wastewater	MANHOLE REHABILITATION	25,000	127
Water/Wastewater	WASTE WATER TREATMENT PLANT EMPLOYEE ROOM	40,000	128
Water/Wastewater	FEW PUMP REPLACEMENT	20,000	129
Water/Wastewater	WATER WELL INSPECTION	25,000	130
Water/Wastewater	ULTRAVIOLET DISINFECTION EQUIPMENT	15,000	131

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Water/Wastewater	ATOMIC ABSORPTION SPECTROSCOPY MACHINE	70,000	132
Stores & Garage	SINGLE AXLE PLOW TRUCK	160,000	156
Stores & Garage	REGENERATIVE AIR SWEEPER	175,000	157
Stores & Garage	3/4-TON 4X4 PICKUP TRUCK	25,000	158
IT	COMPUTER REPLACEMENT	20,000	171

Total for FY 2016-2017 **\$1,219,500**

Plan Fiscal Year: 2017-2018

Department	Project	Cost	Page
Public Safety	POLICE PATROL VEHICLE	32,000	27
Parks	SHORELINE STABILIZATION	7,500	40
Major Street	COBB & CARMEL STREET	175,000	49
Local Street	COLFAX STREET	120,000	69
Local Street	CRESTVIEW, EVART AND STIMSON STREETS	154,000	70
Local Street	STREET SIGN REPLACEMENT	7,500	71
Cemetery	RIDING LAWN MOWER	9,000	79
Industrial Parks	JAMES E. POTVIN INDUSTRIAL PARK	525,000	83
Water/Wastewater	COLFAX STREET	60,000	133
Water/Wastewater	CRESTVIEW, EVART AND STIMSON STREETS	90,000	134
Water/Wastewater	SEWER JETTER	100,000	135
Water/Wastewater	TWO (2) SERVICE TRUCKS	50,000	136
Water/Wastewater	CIRCULAR PUMP	15,000	137
Water/Wastewater	RAS PUMP	11,000	138
Water/Wastewater	WATER WELL INSPECTION	25,000	139
Water/Wastewater	CHANNEL MONSTER	75,000	140
Water/Wastewater	WASTEWATER FUME HOOD	10,000	141
Water/Wastewater	MANHOLE REHABILITATION	25,000	142
Water/Wastewater	BOD INCUBATOR	7,500	143
Stores & Garage	SINGLE AXLE PLOW TRUCK	160,000	159
Stores & Garage	BUCKET TRUCK	165,000	160
Stores & Garage	RIDING LAWN MOWER	10,000	161
Stores & Garage	REPLACEMENT UNDERBODY PLOWS	9,000	162
Stores & Garage	SIDEWALK AND PARKING LOT SWEEPER	25,000	163
IT	IT INFRASTRUCTURE	50,000	172
IT	COMPUTER REPLACEMENT	20,000	173

Total for FY 2017-2018 **\$1,937,500**

5-Year Total Capital Improvement Program **\$11,847,800**

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.

Projects Identified – Municipal Complex/General Government

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

Plan Fiscal Year: 2013-2014

FLOOR COVERING	10,500
CONCRETE APRON REPLACEMENTS	22,000
PAVED DRIVEWAY APPROACHES	85,000
Total for FY 2013-2014	\$117,500

Plan Fiscal Year: 2014-2015

AUTOMATED EXTERNAL DEFIBRILLATORS	7,500
UPGRADE MUNICIPAL COMPLEX RESTROOMS	30,000
STAFF VEHICLE	19,000
WHITE PINE TRAIL CONNECTOR	250,000
Total for FY 2014-2015	\$306,500

Plan Fiscal Year: 2015-2016

COBB STREET SIDEWALK	100,000
PEARL STREET SIDEWALK	100,000
Total for FY 2015-2016	\$200,000

Plan Fiscal Year: 2016-2017

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

Plan Fiscal Year: 2017-2018

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

Grand Total for Municipal Complex/General Government	\$624,000
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Program Fiscal Year: **2013-2014**
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	<u>\$10,500</u>

Program Fiscal Year: **2013-2014**

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



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Program Fiscal Year: **2013-2014**

Project Title: **PAVED DRIVEWAY APPROACHES**

First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Administration/Public Works

Total Project Cost: \$85,000

Project Description: Install paved driveway approaches in the City if the property owners have not completed them.

Project Justification and/or Need: City ordinance requires property owners to have driveway approaches paved within one year of street construction.

Project Impact/Benefit: Reduces the amount of soil coming from driveway into the street and eventually into the City's storm sewer system.

Operating Fund Impact: None.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$7,500
Special Assessments	77,500
Total	<u>\$85,000</u>

Program Fiscal Year: **2014-2015**

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

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Program Fiscal Year: **2014-2015**

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

Program Fiscal Year: **2014-2015**

Project Title: **STAFF CAR**

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

Total Project Cost: \$19,000

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 used to replace an older model 1998 Taurus. This older vehicle will be retained for other City use. The 2004 Taurus will be transferred for daily use by the Director of Public Works and this new staff vehicle will facilitate out-of-town travel for other members of City staff as well as elected officials. It is anticipated that this will allow use of two older vehicles for an additional five years.

Operating Fund Impact: Purchase of this vehicle will allow older vehicle currently in use by Building Official to be disposed and replaced by the 1998 Taurus. Reduction in maintenance on the Building Officials older vehicle will be partially offset by ownership costs of new vehicle. 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	\$19,000
Total	\$19,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015**

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:

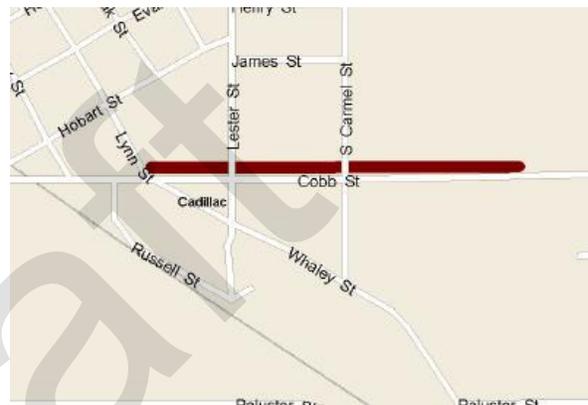
<u>Funding Source</u>	<u>Amount</u>
Grants	\$200,000
Downtown Development Authority	50,000
Total	<u>\$250,000</u>

Program Fiscal Year: **2015-2016**
 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, 2014-2018

Program Fiscal Year: **2015-2016** 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



Projects Identified – Public Safety

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

	Police	Fire
Plan Fiscal Year: 2013-2014		
POLICE PATROL VEHICLE	30,000	
INCIDENT MANAGEMENT SOFTWARE	30,000	
RESCUE TOOLS		18,000
Total for FY 2013-2014	\$60,000	\$18,000
Plan Fiscal Year: 2014-2015		
POLICE K-9 VEHICLE	35,000	
PORTABLE RADIOS	8,000	
FIRE RESCUE VEHICLE		38,000
Total for FY 2014-2015	\$43,000	\$38,000
Plan Fiscal Year: 2015-2016		
POLICE PATROL VEHICLE	31,000	
FIRE PUMPER		385,000
Total for FY 2015-2016	\$31,000	\$385,000
Plan Fiscal Year: 2016-2017		
POLICE PATROL VEHICLE	32,000	
Total for FY 2016-2017	\$32,000	\$0
Plan Fiscal Year: 2017-2018		
POLICE PATROL VEHICLE	32,000	
Total for FY 2017-2018	\$32,000	\$0
Departmental Total	\$198,000	\$441,000
Grand Total for Public Safety		<u>\$639,000</u>

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014** Project Title: **VEHICLE REPLACEMENT**

First Year in CIP: 2008
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$30,000

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	\$30,000
Total	\$30,000

Program Fiscal Year: **2013-2014**

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, 2014-2018

Program Fiscal Year: **2013-2014**

Project Title: **RESCUE TOOLS**

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



Total Project Cost: \$18,000

Project Description: Upgrade the Jaws of Life and related equipment with portable lithium ion powered extrication tools.

Project Justification and/or Need: Rescue tools are used to extricate victims of car accidents that become pinned in the wreckage. The tools are informally known as the "Jaws of Life." The tools should be replaced and advances in technology will allow for the purchase of lighter and more portable and efficient equipment.

Project Impact/Benefit: Project will enable enhanced safety of the public and life-saving capabilities in the department.

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	\$18,000
Total	\$18,000



Program Fiscal Year: **2014-2015**
 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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015** Project Title: **PORTABLE RADIOS**

First Year in CIP: 2008
Project Category: Equipment Replacement
Department: Police



Total Project Cost: **\$8,000**

Project Description: Portable radios worn by on-duty police officers will be replaced.

Project Justification and/or Need: These radios are carried by police officers at all times during their tour of duty. The radios provide a vital link to central dispatch as well as fellow officers. The current units are over 7 years old and are in need of replacement to ensure reliability of crucial communication devices.

Project Impact/Benefit: New radios will ensure that vital communication can always take place, and will enhance operational efficiency 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	\$8,000
Total	<u>\$8,000</u>

Program Fiscal Year: **2014-2015**

Project Title: **VEHICLE REPLACEMENT**

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



Total Project Cost: \$38,000

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 will be 20 years old in 2014, 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	\$38,000
Total	\$38,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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

First Year in CIP: 2010
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: **2015-2016**

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	\$385,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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

First Year in CIP: 2011
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: **2017-2018**

Project Title: **VEHICLE REPLACEMENT**

First Year in CIP: 2013
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: 2013-2014

KENWOOD BATHROOM	80,000
PARKING LOT UPGRADES - LAKE AND CHESTNUT STREETS	35,000
ENCLOSED TRACTOR WITH ATTACHMENTS	30,000
Total for FY 2013-2014	\$145,000

Plan Fiscal Year: 2014-2015

KENWOOD PARKING LOT	60,000
RIDING LAWN MOWER	9,000
Total for FY 2014-2015	\$69,000

Plan Fiscal Year: 2015-2016

SPRINKLER SYSTEM REPLACEMENT	60,000
SHORELINE STABILIZATION	7,500
Total for FY 2015-2016	\$67,500

Plan Fiscal Year: 2016-2017

SKATE PARK EQUIPMENT	40,000
WALKWAY BRIDGE GAZEBO	25,000
RIDING LAWN MOWER	9,000
Total for FY 2016-2017	\$74,000

Plan Fiscal Year: 2017-2018

SHORELINE STABILIZATION	7,500
Total for FY 2017-2018	\$7,500

Grand Total for Municipal Parks	\$363,000
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CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**
Project Title: **KENWOOD BATHROOM**

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

Total Project Cost: \$80,000

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	\$80,000
Total	\$80,000



Program Fiscal Year: **2013-2014**

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	<u>\$35,000</u>

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**

Project Title: **ENCLOSED TRACTOR WITH ATTACHMENTS**

First Year in CIP: 2013
Project Category: Equipment Purchase
Department: Municipal Parks

Total Project Cost: \$30,000

Project Description: Purchase an enclosed tractor with snow plow, snow blower, sweeper, and mower to maintain parks. Tractor will be used in winter to plow park walkways and parking lots and will be used in summers to mow lawn and sweep walkways and parking lots.



Project Justification and/or Need: The parks department does not have any equipment that has capabilities other than mowing. Currently, the department is using an old 1994 tractor from the street department. This equipment is in need of many repairs and also is not ideal for snow plowing.

Project Impact/Benefit: Enables Parks Department to continue plowing walkways such as the McKellop Walkway and White Pine Trail to accommodate walkers.

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

Funding Source(s) for this Project:

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

Program Fiscal Year: **2014-2015**
 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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015** Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2010
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

Program Fiscal Year: **2015-2016**

Project Title: **SPRINKLER SYSTEM REPLACEMENT**

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

Total Project Cost: \$60,000

Project Description: Replace sprinkler system between the Chestnut boat launch and the Wexford County Library. The scope of the project will include the installation of pumps, mainline, lateral waterlines, heads and 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 is unreliable, resulting in high maintenance costs. The company that designed the new system along Chestnut Street has provided a detailed analysis of the remaining hydraulic-controlled system and believes that installing a new system will be in the best interest of the city from a reliability and cost perspective.



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 \$4,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$60,000
Total	\$60,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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

First Year in CIP: 2009
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:

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

Program Fiscal Year: **2016-2017**
Project Title: **SKATE PARK EQUIPMENT**

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

Total Project Cost: \$40,000

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

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

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



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

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2016-2017**
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

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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2017-2018** Project Title: **SHORELINE STABILIZATION**

First Year in CIP: 2011
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:

Funding Source	Amount
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: 2013-2014

FRANCIS AND E. DIVISION STREET IMPROVEMENTS	30,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2013-2014	\$37,500

Plan Fiscal Year: 2014-2015

WEST DIVISION STREET (LEESON TO SENECA)	104,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2014-2015	\$111,500

Plan Fiscal Year: 2015-2016

WEST BREMER STREET (LAKE TO MITCHELL)	40,000
Total for FY 2015-2016	\$40,000

Plan Fiscal Year: 2016-2017

LEESON STREET (CHESTNUT TO WEST DIVISION)	130,000
LAKE STREET (CHAPIN TO POLLARD)	200,000
Total for FY 2016-2017	\$330,000

Plan Fiscal Year: 2017-2018

COBB & CARMEL STREET	175,000
Total for FY 2017-2018	\$175,000

Grand Total for Major Streets	\$694,000
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CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**

Project Title: **FRANCIS AND EAST DIVISION STREET**

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

Total Project Cost: \$30,000

Project Description: Remove and replace a section of Francis and E. Division Streets to improve drainage in the area.

Project Justification and/or Need: This project will reduce the impact of storm water that is draining into private property.

Project Impact/Benefit: Improves the drainage in the area by reducing the amount of water and gravel flowing into private property during storm events.

Operating Fund Impact: This projected is not expected to impact the operating budget.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$30,000
Total	<u>\$30,000</u>



Program Fiscal Year: **2013-2014**

Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2010
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 90% 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, 2014-2018

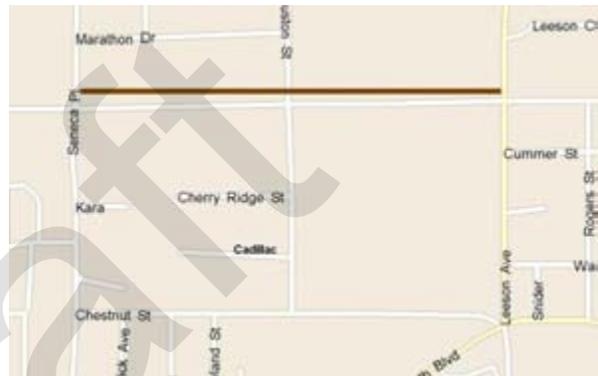
Program Fiscal Year: **2014-2015**
Project Title: **WEST DIVISION STREET**

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

Total Project Cost: \$104,000

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 \$40 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	\$104,000
Total	\$104,000

Program Fiscal Year: **2014-2015**

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 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, 2014-2018

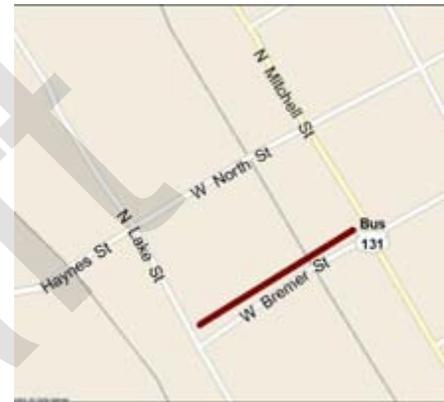
Program Fiscal Year: **2015-2016**
Project Title: **WEST BREMER STREET**

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

Total Project Cost: \$40,000

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 4 out of 10. By FY2014 it is expected to further deteriorate and be in need of repair. This project will replace 400 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	\$40,000
Total	\$40,000

Program Fiscal Year: **2016-2017**

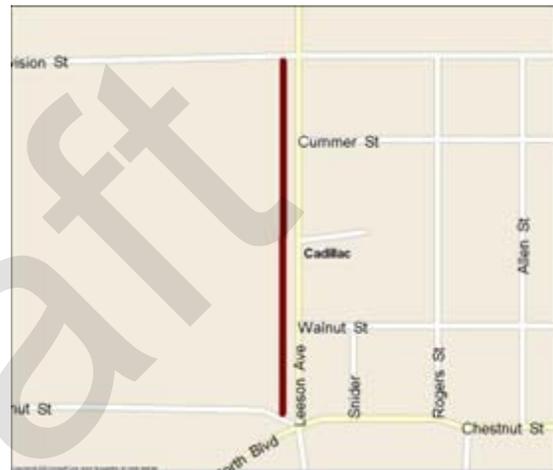
Project Title: **LEESON STREET**

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 FY2014 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

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Program Fiscal Year: **2016-2017**

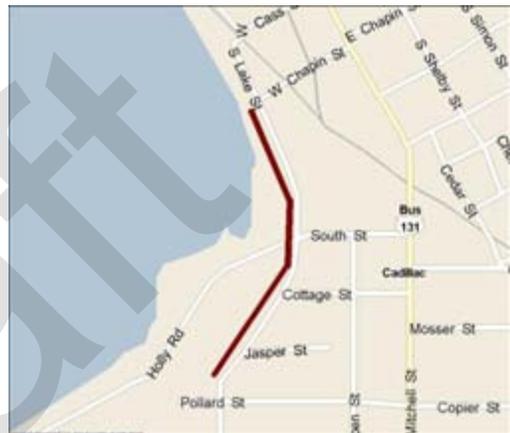
Project Title: **LAKE STREET**

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

Total Project Cost: \$200,000

Project Description: Remove and replace a section of Lake Street from Chapin Street to Pollard 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 2000 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:

Funding Source	Amount
Motor Vehicle Highway Funds	\$200,000
Total	\$200,000

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: \$175,000

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.

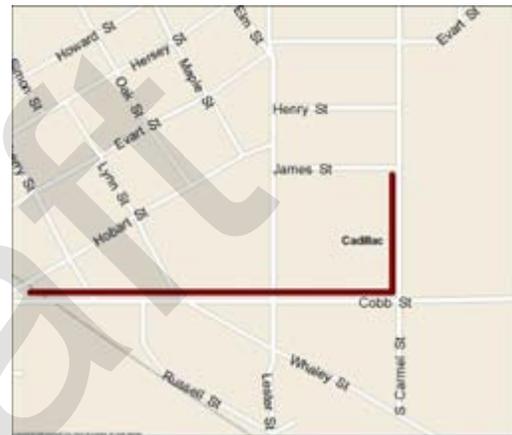
Project Justification and/or Need: The existing has a rating of 3 out of 10 and is in need of repair. This project will replace 2500 feet of street at an estimated \$70 per foot.

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	\$175,000
Total	\$175,000



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Projects Identified – Local Streets

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

Plan Fiscal Year: 2013-2014

WHEELER STREET (RIVER TO POWERS)	110,000
EVART STREET (OAK TO LESTER)	70,000
HOLLY ROAD (BARBARA TO WREN)	99,000
EAST GARFIELD STREET (HOLBROOK TO HIGGINS)	120,000
SIMONS STREET (HARRIS TO BREMER)	150,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2013-2014	\$556,500

Plan Fiscal Year: 2014-2015

CRIPPEN STREET (MITCHELL TO PARK)	105,000
SELMA STREET (W. DIVISION TO WRIGHT)	100,000
SOUTH STREET (LAKE TO FOUR WINNS TEST CENTER)	50,000
ALDRICH STREET (BOND TO LINDEN)	60,000
MARBLE STREET (MITCHELL TO SUNNYSIDE)	75,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2014-2015	\$397,500

Plan Fiscal Year: 2015-2016

EAST BREMER STREET (MITCHELL TO PARK)	50,000
SMITH STREET (WHEELER TO BURLINGAME)	60,000
BLODGETT STREET (LINCOLN TO E. DIVISION)	75,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2015-2016	\$192,500

Plan Fiscal Year: 2016-2017

STREET SIGN REPLACEMENT	7,500
Total for FY 2016-2017	\$7,500

Plan Fiscal Year: 2017-2018

COLFAX STREET	120,000
CRESTVIEW, EVART AND STIMSON STREETS	154,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2017-2018	\$281,500

Grand Total for Local Streets \$1,435,500

Program Fiscal Year: **2013-2014**

Project Title: **EVART STREET**

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

Total Project Cost: \$70,000

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 3 out of 10 and is in need of repair. This project will replace 700 feet of street at an estimated cost of \$100 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	\$70,000
Total	\$70,000



CITY OF CADILLAC

Capital Improvement Program
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Program Fiscal Year: **2013-2014**

Project Title: **HOLLY ROAD**

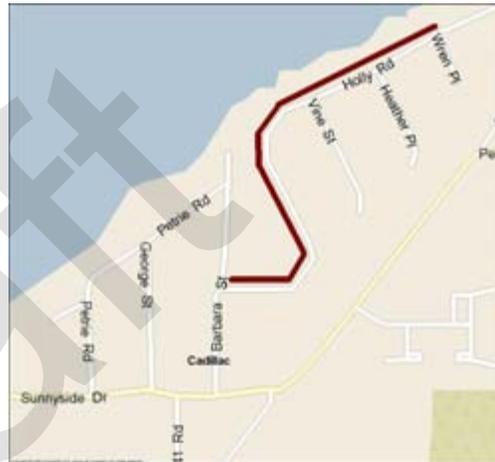
First Year in CIP: 2003
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$99,000

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 \$33 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	\$99,000
Total	\$99,000

Program Fiscal Year: **2013-2014**

Project Title: **EAST GARFIELD STREET**

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

Total Project Cost: \$120,000

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 \$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

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Capital Improvement Program
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Program Fiscal Year: **2013-2014**

Project Title: **SIMONS STREET**

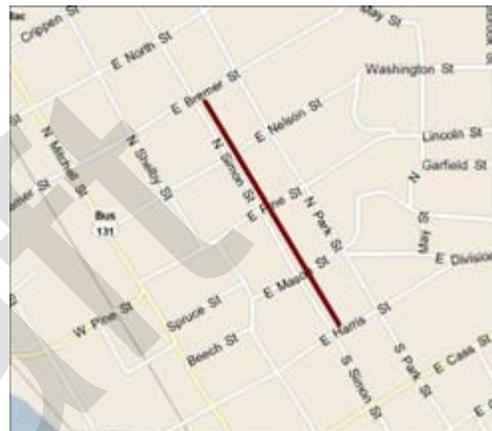
First Year in CIP: 2013
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$150,000

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 1500 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	\$150,000
Total	\$150,000

Program Fiscal Year: **2013-2014**

Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2008
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 55% 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

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Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015**

Project Title: **CRIPPEN STREET**

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

Total Project Cost: \$105,000

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 4 out of 10 and is need of repair. This project will replace 1,050 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	\$105,000
Total	\$105,000

Program Fiscal Year: **2014-2015**

Project Title: **SELMA STREET**

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

Total Project Cost: \$100,000

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 4 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.

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

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Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015**

Project Title: **SOUTH STREET**

First Year in CIP: 2005
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$50,000

Project Description: Remove and replace a section of South Street from Lake Street to the Four Winns Test Center.

Project Justification and/or Need: This street has a current rating of 4 out of 10 and is in need of repair. This project will replace 500 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	\$50,000
Total	\$50,000

Program Fiscal Year: **2014-2015**

Project Title: **ALDRICH STREET**

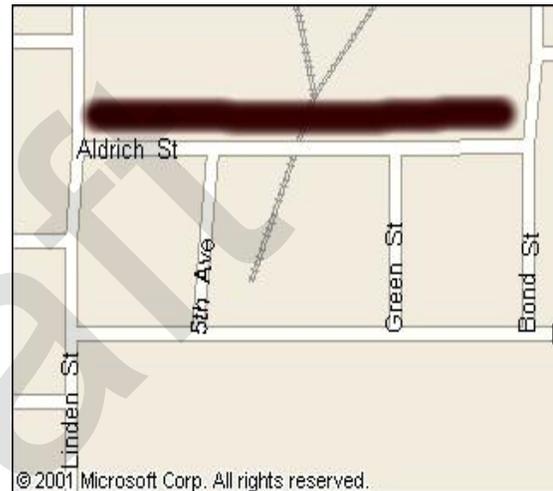
First Year in CIP: 2006
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$60,000

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 \$50 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	\$60,000
Total	\$60,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015**

Project Title: **MARBLE STREET**

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

Total Project Cost: \$75,000

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

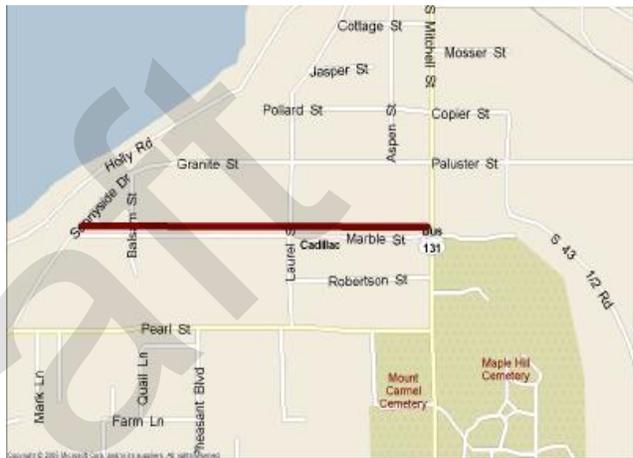
Project Justification and/or Need: This street has a current rating of 4 out of 10 and is in need of repair. This project will repair and resurface 3,000 feet of street at an estimated cost of \$25 per foot.

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

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

Funding Source(s) for this Project:

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



Program Fiscal Year: **2014-2015**

Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2009
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 65% 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

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Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2015-2016**
Project Title: **EAST BREMER STREET**

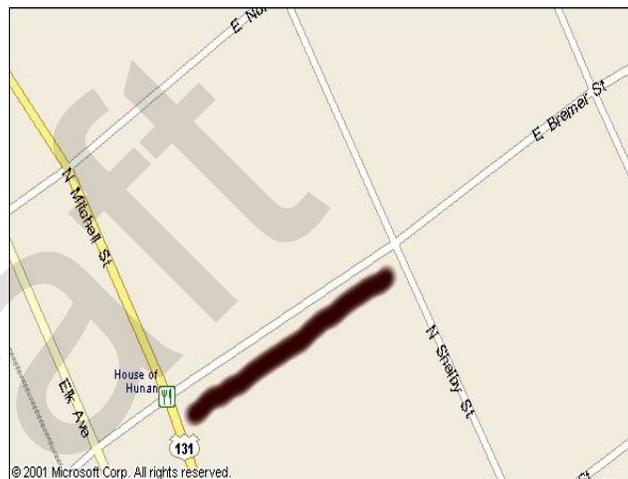
First Year in CIP: 2003
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$100,000

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 4 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.

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: **2015-2016**

Project Title: **SMITH STREET**

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

Total Project Cost: \$40,000

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 3 out of 10 and is in need of repair. This project will replace 1,000 feet of street at an estimated cost of \$40 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	\$40,000
Total	\$40,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2015-2016**
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.

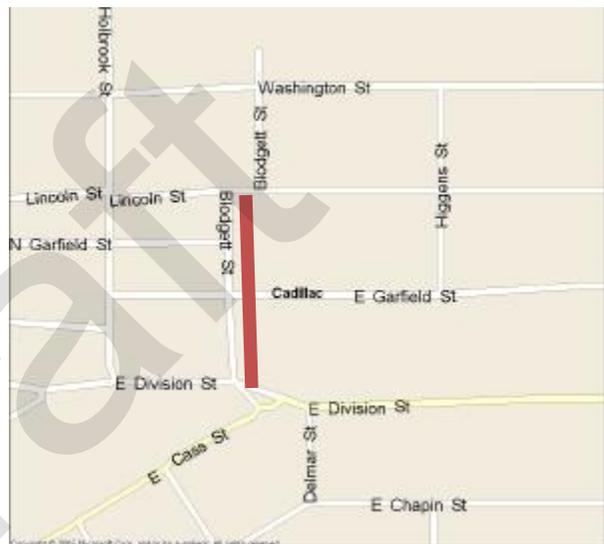
Project Justification and/or Need: This street has a rating of 2 out of 10 and is in need of repair. This project will replace 650 feet of street at an estimated cost of \$100 per foot.

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



Program Fiscal Year: **2015-2016**

Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2010
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 75% 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

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Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2016-2017** 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 85% 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

Program Fiscal Year: **2017-2018**

Project Title: **COLFAX STREET**

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

Total Project Cost: \$120,000

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 \$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, 2014-2018

Program Fiscal Year: **2017-2018**

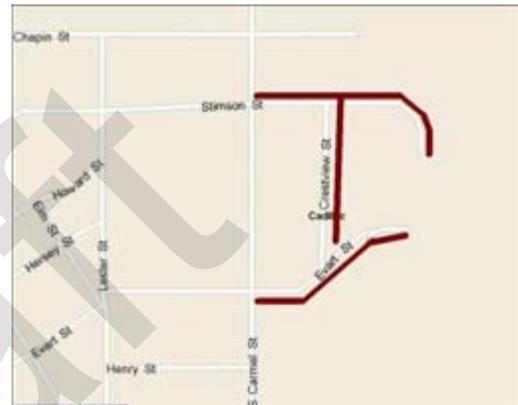
Project Title: **CRESTVIEW, EVART AND STIMSON STREETS**

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

Total Project Cost: \$154,000

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 \$70 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	\$154,000
Total	\$154,000

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 95% 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

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Projects Identified – Cemetery Operating

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

Plan Fiscal Year: 2013-2014

PICKUP TRUCK	22,000	
RIDING LAWN MOWER	9,000	
	9,000	
Total for FY 2013-2014		\$31,000

Plan Fiscal Year: 2014-2015

CEMETERY ROAD PAVING	40,000	
	40,000	
Total for FY 2014-2015		\$40,000

Plan Fiscal Year: 2015-2016

RIDING MOWER	9,000	
	9,000	
Total for FY 2015-2016		\$9,000

Plan Fiscal Year: 2016-2017

ENTRANCE PILLARS	50,000	
	50,000	
Total for FY 2016-2017		\$50,000

Plan Fiscal Year: 2017-2018

RIDING LAWN MOWER	9,000	
	9,000	
Total for FY 2017-2018		\$9,000

	Grand Total for Cemetery	\$139,000
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CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**

Project Title: **TRUCK**

First Year in CIP: 2009
Project Category: Vehicle Replacement
Department: Cemetery

Total Project Cost: \$22,000

Project Description: Replace pickup truck utilized daily for maintenance activities at Maple Hill Cemetery.

Project Justification and/or Need: Current vehicle was acquired via drug forfeiture from the Cadillac Police Department. This vehicle has experienced maintenance issues and needs to be replaced. Existing vehicle will be transferred to parks maintenance for seasonal use thereby extending its useful life.



Project Impact/Benefit: Current vehicle has been experiencing ongoing maintenance needs and increase maintenance costs, leaving it out of service for extended periods while awaiting parts and repairs. Replacing this vehicle should eliminate downtime related to breakdowns and will increase the efficiency and productivity of cemetery maintenance staff.

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

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Cemetery Operating Revenues	\$22,000
Total	\$22,000

Program Fiscal Year: **2013-2014**
 Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2006
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, 2014-2018

Program Fiscal Year: **2014-2015**

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	\$40,000



Program Fiscal Year: **2015-2016**

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, 2014-2018

Program Fiscal Year: **2016-2017**

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: **2017-2018**

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

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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: 2013-2014

ENTRANCE SIGNS		25,000
	Total for FY 2013-2014	\$25,000

Plan Fiscal Year: 2014-2015

** NO PROJECTS **		-
	Total for FY 2014-2015	\$0

Plan Fiscal Year: 2015-2016

** NO PROJECTS **		-
	Total for FY 2015-2016	\$0

Plan Fiscal Year: 2016-2017

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

Plan Fiscal Year: 2017-2018

JAMES E. POTVIN INDUSTRIAL PARK		525,000
	Total for FY 2017-2018	\$525,000

	Grand Total for Industrial Parks	\$550,000
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CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**

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: **2017-2018**

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

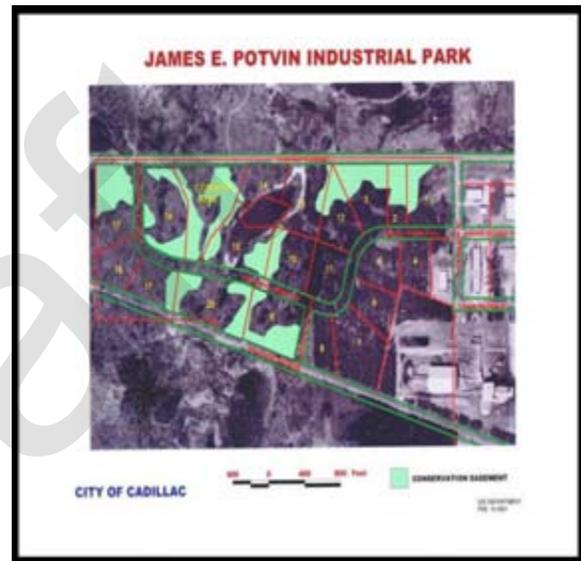
First Year in CIP: 2003
Project Category: Industrial Development
Department: Industrial Parks

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%)	<u>158,100</u>
Total	\$525,000

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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: 2013-2014

WHEELER STREET	65,000
EVART STREET	50,000
HOLLY ROAD	30,000
EAST GARFIELD STREET	35,000
SIMONS STREET	30,000
NORTH SIMONS STREET	30,000
FRANCIS AND E. DIVISION STREET	30,000
VEHICLE TRANSCEIVER UNIT (VXU) REPLACEMENT	65,000
GLOBAL POSITION SYSTEM (GPS) EQUIPMENT	8,000
SEWER CAMERA	10,000
TRACTOR BACKHOE	85,000
SEWER VACUUM/JET TRUCK	400,000
EQUALIZATION BASIN IMPROVEMENTS	8,000
WATER SUPPLY IMPROVEMENTS	500,000
Total for FY 2013-2014	\$1,346,000

Plan Fiscal Year: 2014-2015

CRIPPEN STREET	58,000
SELMA STREET	91,000
SOUTH STREET	35,000
ALDRICH STREET	40,000
MARBLE STREET	100,000
R&D PUMP	10,000
SERVICE TRUCK (HEAVY DUTY)	30,000
SERVICE TRUCK (REGULAR DUTY)	20,000
MANHOLE REHABILITATION	25,000
LIFT STATION INFLUENT GATE VALVES	75,000
LABORATORY STILLS	30,000
13TH STREET STORM POND TRANSFORMER	10,000
WATER SUPPLY IMPROVEMENTS	2,300,000
Total for FY 2014-2015	\$2,824,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Plan Fiscal Year: 2015-2016

WEST BREMER STREET	38,000
EAST BREMER STREET	85,000
SMITH STREET	30,000
BLODGETT STREET	23,800
MANHOLE REHABILITATION	25,000
RAW/PRIMARY SAMPLER REPLACEMENT	10,000
WATER TOWER PAINTING	230,000
WASTEWATER FUME HOOD	10,000
WASTEWATER PARKING LOT IMPROVEMENTS	12,000
COBB STREET	200,000
Total for FY 2015-2016	\$663,800

Plan Fiscal Year: 2016-2017

LAKE STREET	50,000
STAFF CAR	18,000
DUMP TRUCK	75,000
MUFFLE FURNACE/DRYING OVEN REPLACEMENT	8,000
MANHOLE REHABILITATION	25,000
WASTE WATER TREATMENT PLANT EMPLOYEE ROOM	40,000
FEW PUMP REPLACEMENT	20,000
WATER WELL INSPECTION	25,000
ULTRAVIOLET DISINFECTION EQUIPMENT	15,000
ATOMIC ABSORPTION SPECTROSCOPY MACHINE	70,000
Total for FY 2016-2017	\$346,000

Plan Fiscal Year: 2017-2018

COLFAX STREET	60,000
CRESTVIEW, EVART AND STIMSON STREETS	90,000
SEWER JETTER	100,000
TWO (2) SERVICE TRUCKS	50,000
CIRCULAR PUMP	15,000
RAS PUMP	11,000
WATER WELL INSPECTION	25,000
CHANNEL MONSTER	75,000
WASTEWATER FUME HOOD	10,000
MANHOLE REHABILITATION	25,000
BOD INCUBATOR	7,500
Total for FY 2017-2018	\$468,500

Grand Total for Water and Wastewater \$5,648,300

Program Fiscal Year: **2013-2014**

Project Title: **WHEELER STREET**

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

Total Project Cost: \$65,000

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

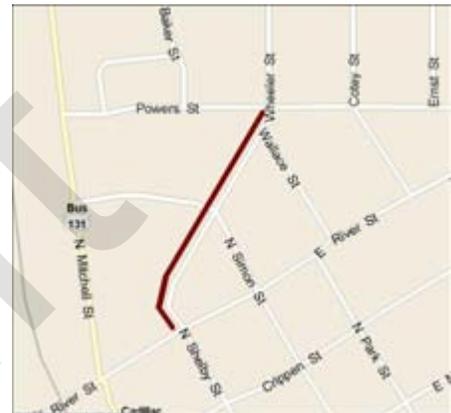
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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	\$65,000
Total	\$65,000



CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**

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 Evert Street between Oak Street and Lester Street.

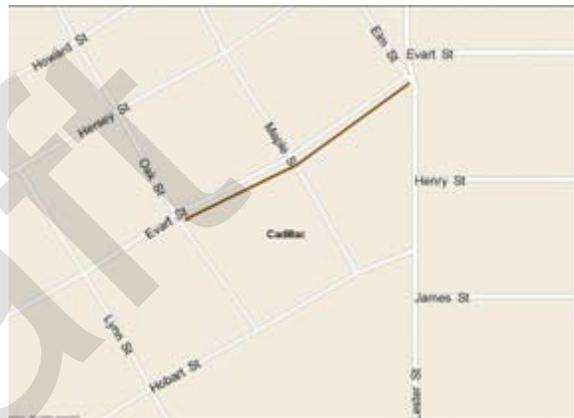
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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



Program Fiscal Year: **2013-2014**

Project Title: **HOLLY ROAD**

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

Total Project Cost: \$30,000

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.

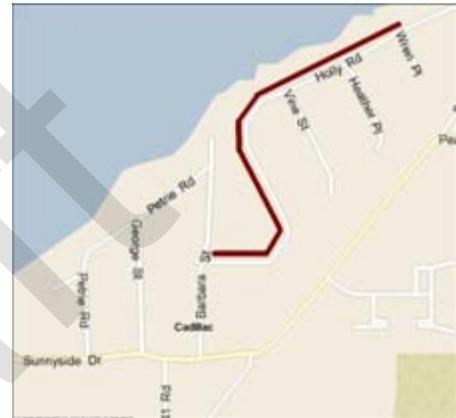
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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	\$30,000
Total	\$30,000



CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**
Project Title: **EAST GARFIELD STREET**

First Year in CIP: 2007
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$35,000

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	\$35,000
Total	\$35,000

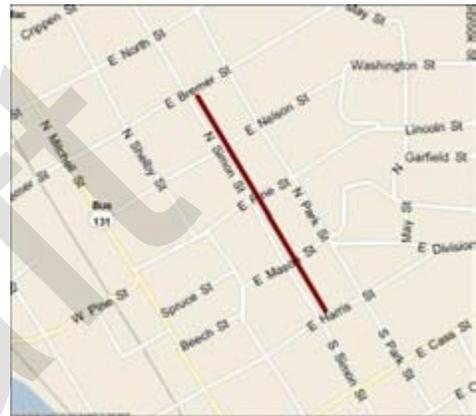


Program Fiscal Year: **2013-2014**
 Project Title: **SIMONS STREET**

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

Total Project Cost: \$30,000

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	\$30,000
Total	\$30,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**
Project Title: **NORTH SIMONS STREET**

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

Total Project Cost: \$30,000

Project Description: Replace water infrastructure that is very old and generates complaints.

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	\$30,000
Total	\$30,000



Program Fiscal Year: **2013-2014**

Project Title: **FRANCIS AND E. DIVISION STREET**

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

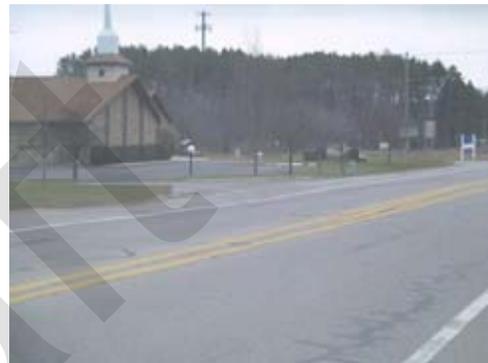
Total Project Cost: \$30,000

Project Description: Extend water main infrastructure below the street surface 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 \$500 per year.



Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**

Project Title: **VEHICLE TRANSCEIVER UNIT (VXU) REPLACEMENT**

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

Total Project Cost: \$65,000

Project Description: VXU is used in the vehicle radio read process of the City's water meters. Current unit is aged and in need of replacement. Project also includes replacing two (2) hand-held meter reading devices for manual reads.

Project Justification and/or Need: Current VXU will no longer be supported by manufacturer and parts will no longer be available for repairs. VXU is a critical component of City's meter reading process.

Project Impact/Benefit: Project will enable the continued remote reading of City's water meters. This process eliminates the need to manually read each of the City's 3,700 meters.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year. A significant increase in personnel costs would result from the inability to remotely read meters.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$65,000
Total	<u>\$65,000</u>

Program Fiscal Year: **2013-2014**

Project Title: **GLOBAL POSITION SYSTEM (GPS) EQUIPMENT**

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

Total Project Cost: \$8,000

Project Description: Replace outdated GPS equipment.

Project Justification and/or Need: Equipment needs to be kept updated to maintain an accurate GIS system.

Project Impact/Benefit: Project will result in a reduction in costs and increases in operational efficiency.

Operating Fund Impact: Reduce minor maintenance costs by \$200 per year.

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**

Project Title: **SEWER CAMERA**

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

Total Project Cost: \$10,000

Project Description: Purchase a sewer camera to observe and determine condition of collection system.

Project Justification and/or Need: A camera is needed to observe conditions of collection systems without having to physically expose pipes.

Project Impact/Benefit: Costs paid to outside contractors will be reduced, and more timely observations of the collections system can be done.

Operating Fund Impact: Reduced costs to outside contractors by a minimum of \$1,000 per year will be offset by some additional manpower assigned to staff observations conducted by department.

Funding Source(s) for this Project:

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



Program Fiscal Year: **2013-2014**
 Project Title: **TRACTOR BACKHOE**

First Year in CIP: 2004
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$85,000

Project Description: Replace 1986 unit with a new backhoe.

Project Justification and/or Need: Current JCB tractor/backhoe has been in service for over 20 years, and has reached the end of its useful life. The Utilities department currently operates two backhoes, a 1986 model and a 2002 model. The 1986 model will be replaced and either traded in or sold at auction.



Project Impact/Benefit: System and departmental efficiency will be enhanced, and maintenance and repair costs related to an aged piece of equipment will be eliminated.

Operating Fund Impact: Reduce 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, 2014-2018

Program Fiscal Year: **2013-2014**
Project Title: **SEWER VACUUM/JET TRUCK**

First Year in CIP: 2004
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$400,000

Project Description: Replace VacCon Sewer truck with new unit.

Project Justification and/or Need: Vacuum/Jet sewer cleaning trucks are required for sewer maintenance. Current model will be 13 years old and nearing the end of its estimated useful life. A truck with at least the same capabilities will be needed. Final cost represents purchase price less an estimated \$20,000 for the trade-in value of the current unit.



Project Impact/Benefit: Upgrade will facilitate continued compliance with DEQ regulations, help maintain sanitary quality of sewers, and improve the hydraulic capacity of the system.

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

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$400,000
Total	\$400,000

Program Fiscal Year: **2013-2014**

Project Title: **EQUALIZATION (EQ) BASIN IMPROVEMENTS**

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

Total Project Cost: \$8,000

Project Description: Repair EQ basin which is part of the waste water treatment process. The EQ basin stores untreated waste water during periods of high flow and drains it back into the system during periods of low flow. During a typical day is filling for about 12 hours and draining back in for about 12 hours. This allows the waste water treatment equipment to operate at a near-constant level or speed.

Project Justification and/or Need: The basin blocks need to be strengthened and waterproofing improvements need to be made.

Project Impact/Benefit: Improvements will protect the treatment process and maintain operating condition of the waste water treatment facility.

Operating Fund Impact: Reduce potential for costly repairs.

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015 (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.



Project Details:	Phase II
Property Purchase	\$100,000
Planning & Engineering	400,000
Construction	2,000,000
Contingency	250,000
Legal & Professional	50,000
Total	\$2,800,000

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, which will begin soon.

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

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

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

Multi-Year Project Details:

	<u>2014</u>	<u>2015</u>	<u>Total</u>
Project Costs (See Detail Above)	\$500,000	\$2,300,000	\$2,800,000
Funding Sources			
DWRF Loan	\$500,000	\$2,300,000	\$2,800,000

Program Fiscal Year: **2014-2015**
 Project Title: **CRIPPEN STREET**

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

Total Project Cost: \$58,000

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	\$58,000
Total	\$58,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015**

Project Title: **SELMA STREET**

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

Total Project Cost: \$91,000

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.

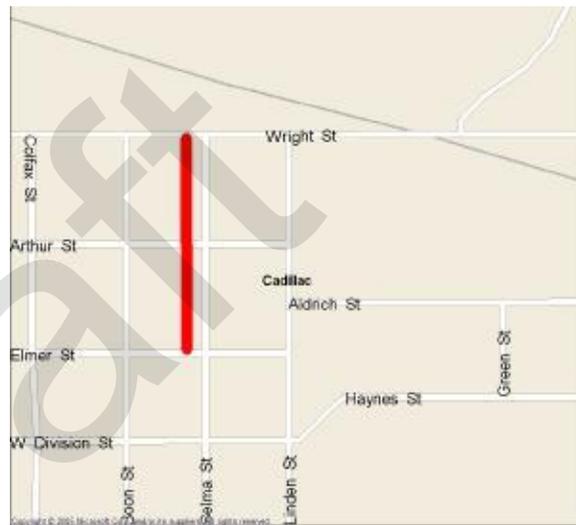
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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	\$91,000
Total	\$91,000



Program Fiscal Year: **2014-2015**

Project Title: **SOUTH STREET**

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

Total Project Cost: \$35,000

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	\$35,000
Total	\$35,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015**

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.

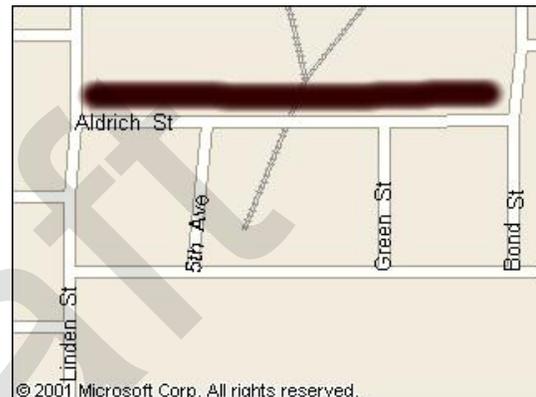
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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: **2014-2015**
 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.

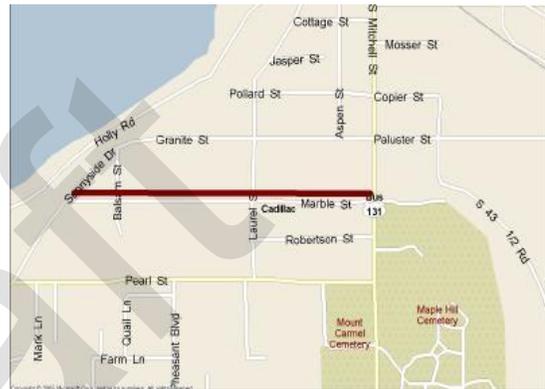
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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, 2014-2018

Program Fiscal Year: **2014-2015**

Project Title: **R&D PUMP**

First Year in CIP: 2009
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$10,000

Project Description: Replace a 1963 pump that has reached the end of its useful life and is no longer functional.

Project Justification and/or Need: Old pump has been removed. The cost to repair the old pump exceeds the cost of a new unit. Replacement of existing system valves would also be recommended.

Project Impact/Benefit:

Operating Fund Impact: Reduce yearly maintenance costs approximately \$500 per year. The new system could reduce man hours, fuel costs, and equipment set-up and tear-down. Project would also reduce wear and tear on existing equipment.

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: **2014-2015**

Project Title: **HEAVY DUTY SERVICE TRUCK**

First Year in CIP: 2009
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$30,000

Project Description: The 2004 Ford 1-ton diesel four-wheel drive pickup used for system maintenance will be replaced.

Project Justification and/or Need: Vehicle is used for routine and emergency service calls. It is used to haul sewer jetter and seasonal snow clearing therefore a heavy duty 4x4 model is required. At this point the current truck will be 10 years old and in need of replacement.



Project Impact/Benefit: Replacing an aged vehicle will reduce maintenance and repair costs.

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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015**

Project Title: **SERVICE TRUCK**

First Year in CIP: 2009
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$20,000

Project Description: An older service vehicle used in the water system will be replaced. Vehicle will be replaced with a two-wheel drive half-ton pickup.

Project Justification and/or Need: The current maintenance has reached the end of its original estimated useful life. The vehicle is used for routine and emergency service calls.

Project Impact/Benefit: Replacing an aged vehicle will reduce maintenance and repair costs.

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	\$20,000
Total	\$20,000

Program Fiscal Year: **2014-2015**

Project Title: **MANHOLE REHABILITATION**

First Year in CIP: 2009
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 call-ins 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, 2014-2018

Program Fiscal Year: **2014-2015**

Project Title: **LIFT STATION INFLUENT GATE VALVES**

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

Total Project Cost: \$75,000

Project Description: Replace existing influent gate valves at the Lake, Leeson, and Leisure Street lift stations. Provide for pumping around stations while work is performed.

Project Justification and/or Need: Current influent gate valves are deteriorated to the point of being functionally unsound.

Project Impact/Benefit: Valve replacement will enhance worker safety while performing maintenance at lift stations.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year by improving productivity of maintenance activities at lift stations.

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: **2014-2015**

Project Title: **LABORATORY STILLS**

First Year in CIP: 2009
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$30,000

Project Description: Replace stills in the drinking water and wastewater laboratories.

Project Justification and/or Need: Current equipment will be ten years old and will reach the end of their estimated useful life. Older equipment will leak and require added maintenance costs to use.

Project Impact/Benefit: Pure and sterile water is an integral part of tests performed at both laboratories. The water is evaluated maintain state certification for drinking water. New equipment will enhance the ability to conduct tests properly and efficiently.

Operating Fund Impact: Reduce minor maintenance costs by \$500 per year and prevent having to purchase large quantities of distilled/de-ionized water from outside sources.

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015**

Project Title: **13TH STREET STORM POND TRANSFORMER**

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

Total Project Cost: \$10,000

Project Description: Replace current aged and failing transformer at 13th Street storm pond site.

Project Justification and/or Need: Current transformer is functionally obsolete and may fail at any time.

Project Impact/Benefit: Transformer controls system that keeps storm water moving during a storm event. The system helps prevent flooding during a storm event. Replacing the transformer will enhance the reliability of this critical storm water management system.

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	<u>\$10,000</u>

Program Fiscal Year: **2015-2016**

Project Title: **WEST BREMER STREET**

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

Total Project Cost: \$38,000

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	\$38,000
Total	\$38,000



CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2015-2016**
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.

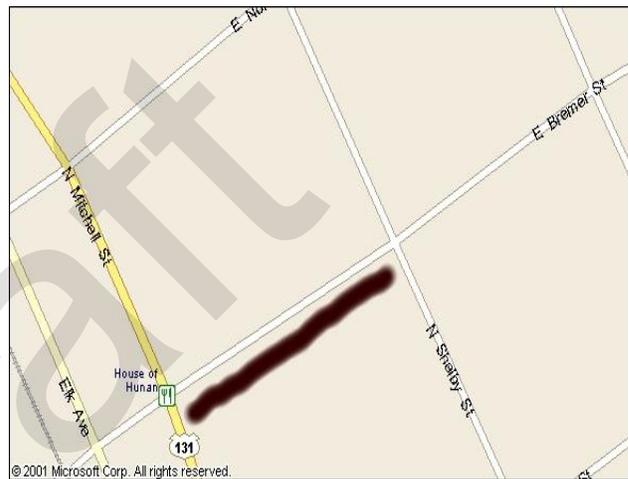
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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



Program Fiscal Year: **2015-2016**

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.

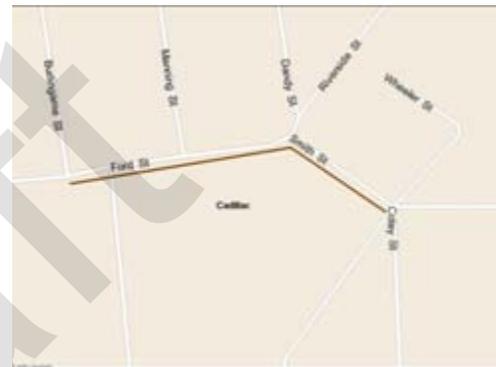
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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



CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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

First Year in CIP: 2004
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$23,800

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.

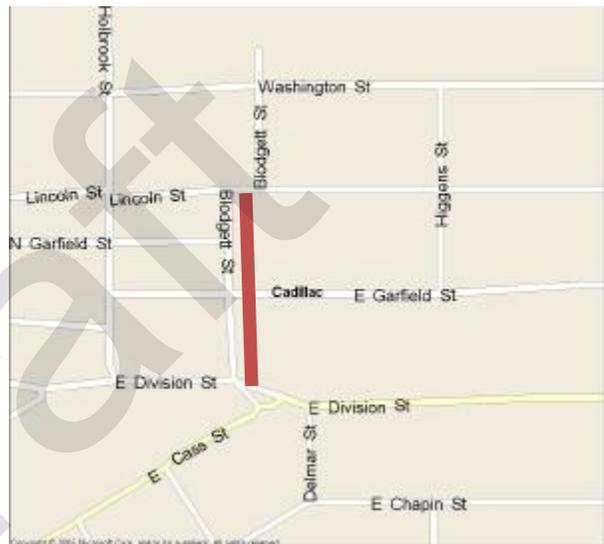
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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:

Funding Source	Amount
Operating Revenues	\$23,800
Total	\$23,800



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 call-ins 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, 2014-2018

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: \$230,000

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	\$230,000
Total	<u>\$230,000</u>



CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2015-2016**
Project Title: **WASTEWATER FUME HOOD**

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

Total Project Cost: \$10,000

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	\$10,000
Total	<u>\$10,000</u>

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, 2014-2018

Program Fiscal Year: **2015-2016**

Project Title: **COBB/CROSBY STREET DEVELOPMENT**

First Year in CIP: 2007
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

Total Project Cost: \$200,000

Project Description: New development has been proposed at the end of Cobb Street. This project would provide water and sewer lines to the potential development.

Project Justification and/or Need: The 12-inch water main would be extended east on Cobb Street and then north on Crosby Road past the Barnett property line to accommodate and provide essential utility services to a potential new development.



Project Impact/Benefit: New residential development.

Operating Fund Impact: Increase minor maintenance and operating costs by an estimated \$2,000 per year.

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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, 2014-2018

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 call-ins 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, 2014-2018

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	<u>\$40,000</u>

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	\$20,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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	\$25,000

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, 2014-2018

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: **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, 2014-2018

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, 2014-2018

Program Fiscal Year: **2017-2018** Project Title: **TWO (2) SERVICE TRUCKS**

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

Total Project Cost: \$50,000

Project Description: The 2001 Distribution and Collection truck and 2001 Water Resources truck will be replaced.

Project Justification and/or Need: Both vehicles will be 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	\$50,000
Total	<u>\$50,000</u>

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	\$15,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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	\$11,000

Program Fiscal Year: **2017-2018**

Project Title: **WATER WELL INSPECTION**

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, 2014-2018

Program Fiscal Year: **2017-2018**
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	\$75,000



Program Fiscal Year: **2017-2018**

Project Title: **WASTEWATER FUME HOOD**

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

Total Project Cost: \$10,000

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	\$10,000
Total	<u>\$10,000</u>

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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 call-ins and sewer claims.

Funding Source(s) for this Project:

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

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>

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Projects Identified – Stores and Garage

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

Plan Fiscal Year: 2013-2014

WHEEL LOADER WITH SNOW BUCKET	160,000
1-TON 4X4 DUALY PICKUP TRUCK	40,000
3/4-TON 4X4 PICKUP TRUCK	25,000
REPLACEMENT UNDERBODY PLOWS	9,000
Total for FY 2013-2014	\$234,000

Plan Fiscal Year: 2014-2015

TANDEM AXLE PLOW TRUCK	195,000
1-TON 4X4 TRUCK WITH DUMP BOX	35,000
3/4-TON 4X4 PICKUP TRUCK	25,000
Total for FY 2014-2015	\$255,000

Plan Fiscal Year: 2015-2016

VACUUM STREET SWEEPER/CATCH BASIN CLEANER	198,000
REPLACEMENT UNDERBODY PLOWS	9,000
MEDIUM-DUTY TRACTOR	45,000
Total for FY 2015-2016	\$252,000

Plan Fiscal Year: 2016-2017

SINGLE AXLE PLOW TRUCK	160,000
REGENERATIVE AIR SWEEPER	175,000
3/4-TON 4X4 PICKUP TRUCK	25,000
Total for FY 2016-2017	\$360,000

Plan Fiscal Year: 2017-2018

SINGLE AXLE PLOW TRUCK	160,000
BUCKET TRUCK	165,000
RIDING LAWN MOWER	10,000
REPLACEMENT UNDERBODY PLOWS	9,000
SIDEWALK AND PARKING LOT SWEEPER	25,000
Total for FY 2017-2018	\$369,000

Grand Total for Stores and Garage	\$1,470,000
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CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**

Project Title: **WHEEL LOADER WITH SNOW BUCKET**

First Year in CIP: 2003
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$160,000

Project Description: Project will replace existing wheel loader that will be twelve years old. Purchase price is expected to be \$190,000 with a trade-in credit of \$30,000 for the existing model.

Project Justification and/or Need: Wheel loaders are used frequently throughout the winter for snow removal in parking lots, making salt-sand mix and loading dump trucks. They are also used throughout the year for various maintenance activities. Reliability of this loader is critical during winter months.



Project Impact/Benefit: The efficiency and productivity of the street maintenance crew will be enhanced with reliable equipment.

Operating Fund Impact: Reduce minor maintenance costs by \$6,000 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: **2013-2014**

Project Title: **1-TON 4X4 DUALY PICKUP TRUCK**

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

Total Project Cost: \$40,000

Project Description: Purchase 1-ton dually 4x4 pickup truck.

Project Justification and/or Need: There is an increased number of alleys, dead-ends, and cul-de-sacs that require snow removal in the City. These types of locations are narrower and require tighter turns and therefore require a smaller vehicle to efficiently and safely remove snow.



Project Impact/Benefit: A smaller truck will enable more efficient plowing of alleys, dead-ends, and cul-de-sacs throughout the City.

Operating Fund Impact: Increase 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, 2014-2018

Program Fiscal Year: **2013-2014**
Project Title: **¾-TON 4X4 PICKUP TRUCK**

First Year in CIP: 2009
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	<u>\$25,000</u>

Program Fiscal Year: **2013-2014**
 Project Title: **UNDERBODY PLOW**

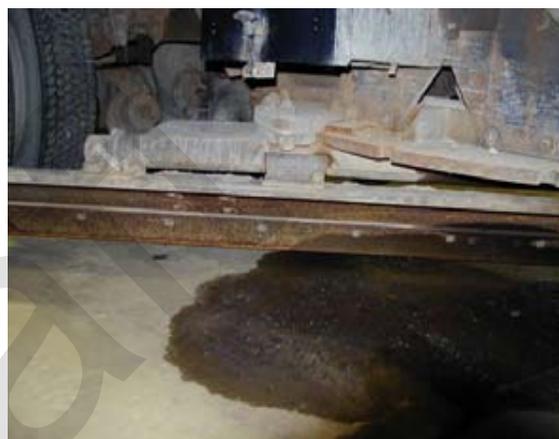
First Year in CIP: 2013
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$9,000

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	\$9,000
Total	\$9,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015**
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:

Funding Source	Amount
Operating Revenues	\$195,000
Total	\$195,000

Program Fiscal Year: **2014-2015**

Project Title: **1-TON 4X4 DUMP TRUCK**

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

Total Project Cost: \$35,000

Project Description: Replace essential street maintenance vehicle originally purchased in 2001 that is now at the end of its useful life.

Project Justification and/or Need: Current vehicle will be ten 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 \$3,000 per year.

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015**
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: **2015-2016**

Project Title: **VACUUM STREET SWEEPER/CATCH BASIN CLEANER**

First Year in CIP: 2003
Project Category: Equipment Replacement
Department: Stores and Garage

Total Project Cost: \$198,000

Project Description: A new vacuum-type street sweeper will be purchased to replace the current sweeper which was purchased in 1999. Purchase price is expected to be \$213,000 with a trade-in credit of \$15,000 for the existing model.



Project Justification and/or Need: This type of vacuum sweeper is used for both street sweeping and cleaning catch basins. Maintenance costs on the existing unit are increasing each year as the working environment is harsh. The city must continue to clean catch basins each year as well as maintain 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 \$10,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$198,000
Total	\$198,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2015-2016**
Project Title: **UNDERBODY PLOW**

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

Total Project Cost: \$9,000

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	\$9,000
Total	<u>\$9,000</u>



Program Fiscal Year: **2015-2016**

Project Title: **MEDIUM DUTY TRACTOR**

First Year in CIP: 2013
Project Category: Equipment Purchase
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 10 years old and will need to be replaced as the tractor is used daily for completing street and alley maintenance.

Project Impact/Benefit: Maintain reliable and safe equipment to accomplish tasks and keep streets safe for our community.

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

Funding Source(s) for this Project:

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



CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2016-2017**
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:

Funding Source	Amount
Operating Revenues	\$160,000
Total	\$160,000

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 14 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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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

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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2017-2018**

Project Title: **BUCKET TRUCK**

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

Total Project Cost: \$165,000

Project Description: Replace existing 1997 bucket truck that is used for forestry program and for repair/replacement of parking lot lighting.

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	\$165,000
Total	\$165,000

Program Fiscal Year: **2017-2018**

Project Title: **RIDING LAWN MOWER**

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

Total Project Cost: \$10,000

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

Project Justification and/or Need: Current unit is fifteen years old and is requiring increasing maintenance and repairs. Reliability is also a factor as the equipment ages. Maintenance costs for this equipment make purchasing a new mower the best option.

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



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

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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: \$9,000

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	\$9,000
Total	<u>\$9,000</u>

Program Fiscal Year: **2017-2018**

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

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Projects Identified – Information Technology

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

Plan Fiscal Year: 2013-2014

COMPUTER REPLACEMENT	20,000
SOFTWARE REPLACEMENT	115,000
Total for FY 2013-2014	\$135,000

Plan Fiscal Year: 2014-2015

COMPUTER REPLACEMENT	20,000
IT INFRASTRUCTURE	20,000
Total for FY 2014-2015	\$40,000

Plan Fiscal Year: 2015-2016

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

Plan Fiscal Year: 2016-2017

COMPUTER REPLACEMENT	20,000
Total for FY 2016-2017	\$20,000

Plan Fiscal Year: 2017-2018

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

Grand Total for Information Technology	\$285,000
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CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2013-2014**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2008
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



Program Fiscal Year: **2013-2014**

Project Title: **SOFTWARE REPLACEMENT**

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

Total Project Cost: \$115,000

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	\$115,000
Total	\$115,000

CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

Program Fiscal Year: **2014-2015**
Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2009
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



Program Fiscal Year: **2014-2015**

Project Title: **IT INFRASTRUCTURE**

First Year in CIP: 2009
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$20,000

Project Description: General technology infrastructure updates.

Project Justification and/or Need: The City's system of IT infrastructure needs to be updated in order to minimize downtime and optimize operational efficiencies.

Project Impact/Benefit: Each department of the City relies on technology to enhance efficiency and optimize productivity. Regular updates enable the City's departments to take advantage of the latest technological advancements to improve and sustain operating capacities.

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

Funding Source(s) for this Project:

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



CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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	\$20,000



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	\$20,000



CITY OF CADILLAC

Capital Improvement Program
For the fiscal years ending June 30, 2014-2018

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	<u>\$50,000</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	\$20,000



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**Capital Improvement
Program**

July 1, 2013 - June 30, 2018