

5-Year Capital Improvement Program

July 1, 2011 - June 30, 2016

*A Vision of
Growth for
Our Future*





Cadillac MICHIGAN

ELECTED OFFICIALS

William S. 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

CITY ADMINISTRATION

City Manager *Marcus A. Peccia*
Director of Finance *Owen Roberts*
Director of Public Utilities *Jeff Dietlin*
Director of Public Works *Bob Johnson*
City Engineer *Bruce DeWitt*
Community Development Dir. *Jerry Adams*
City Clerk *Chris Benson*
City Treasurer *Keri Lanning*
City Attorney *Foster, Swift, Collins & Smith, PC*

TABLE OF CONTENTS

Introductory

Calendar of Events	ii
City Manager Transmittal Letter	iii
City Council Mission and Vision Concepts.....	iv

Capital Improvement Projects

Program Description and Summary.....	1
5-Year Summary	
Program by Fiscal Year	2
Source of Funds by Fiscal Year	2
Projects by Fiscal Year	2-6
Municipal Complex/General Government Summary	7
Municipal Complex/General Government Projects.....	8-15
Public Safety Summary	17
Public Safety Projects	18-30
Municipal Parks Summary	31
Municipal Parks Projects	32-40
Major Streets Summary	41
Major Streets Projects	42-50
Local Streets Summary	51
Local Streets Projects	52-72
Cemetery Operating Summary	73
Cemetery Operating Projects.....	75-80
Industrial Parks Summary	81
Industrial Parks Projects	82
Water and Wastewater Summary	83-84
Water and Wastewater Projects	85-126
Stores & Garage Summary.....	127
Stores & Garage Projects.....	128-147
Information Technology Summary	149
Information Technology Projects	150-165

CITY OF CADILLAC

2011-2016 Capital Improvement Program

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	October 31, 2010
• Proposed Five-year Capital Improvement Program developed and submitted to City Manager for review	November 30, 2010
• Work Session – City Council meets to consider proposed 2012-2016 Capital Improvement Program	December 6, 2010
• Public Hearing date set	December 6, 2010
• Work Session – City Council meets to consider proposed 2012-2016 Capital Improvement Program	(If Needed)
• Public Hearing to consider adoption of proposed 2012-2016 Capital Improvement Program	December 20, 2010
• City Council adoption of final proposed 2012-2016 Capital Improvement Program	December 20, 2010



December 20, 2010

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 2012-2016. 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 tightening 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 \$15,622,100 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 2012-2016 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 2011-2016

Program Summary

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

Department	<i>For the fiscal year ending June 30,</i>					Total
	2012	2013	2014	2015	2016	
Complex/General Gov't.	18,000	51,500	0	30,000	196,000	295,500
Public Safety						
Police	34,800	34,100	35,900	30,700	33,900	169,400
Fire	16,000	12,000	0	38,000	385,000	451,000
Municipal Parks	8,500	32,500	95,000	47,500	68,500	252,000
Total General Fund	77,300	130,100	130,900	146,200	683,400	1,167,900
Major Streets	297,500	37,500	107,500	104,000	40,000	586,500
Local Streets	197,500	190,700	421,500	292,500	212,500	1,314,700
Cemetery Operating	27,500	16,000	40,000	8,500	50,000	142,000
Industrial Parks	0	0	0	0	525,000	525,000
Water and Wastewater	4,432,200	4,210,000	376,000	621,500	512,300	10,152,000
Stores and Garage	303,600	193,500	194,400	310,000	350,000	1,351,500
Information Technology	137,500	92,500	42,500	20,000	90,000	382,500
Totals	\$5,473,100	\$4,870,300	\$1,312,800	\$1,502,700	\$2,463,200	\$15,622,100

Source of Funds

It is also important to identify the sources of funding that will be used to fund each year's projects. This helps to determine the viability of each year's requests and serves as a critical planning tool for current and future operating budgets. For the current 5-year program, the following sources of funding have been identified by fiscal year:

Source of Funds	<i>For the fiscal year ending June 30,</i>					Total
	2012	2013	2014	2015	2016	
Current Property Tax Revenues	77,300	105,100	130,900	106,200	487,400	906,900
Donations						
Donations Received	0	0	0	0	0	0
Future Donations	0	25,000	0	40,000	50,000	115,000
Operating Revenues	1,146,100	1,112,000	652,900	960,000	1,110,400	4,981,400
MVHF	285,000	228,200	529,000	396,500	252,500	1,691,200
DWRF	3,754,700	3,400,000	0	0	0	7,154,700
Grants	210,000	0	0	0	366,900	576,900
Special Assessments	0	0	0	0	196,000	196,000
Totals	\$5,473,100	\$4,870,300	\$1,312,800	\$1,502,700	\$2,463,200	\$15,622,100

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 then 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: 2011-2012				
Department	Project	Year 1 Priority	Cost	Page
General Gov't.	OFFICE FURNITURE REPLACEMENT	2	9,000	8
General Gov't.	CONFERENCE ROOM CHAIRS	1	9,000	9
Public Safety	POLICE PATROL VEHICLE	1	25,300	18
Public Safety	INTERVIEW ROOM RECORDING EQUIPMENT	1	9,500	19
Public Safety	EXTRICATION EQUIPMENT	1	7,500	20
Public Safety	THERMAL IMAGING CAMERA	2	8,500	21
Parks	RIDING LAWN MOWER	1	8,500	32
Major Streets	FARRAR STREET (RIVER TO SEVENTH)	1	110,000	42
Major Streets	GUNN/SEVENTH STREET (MITCHELL TO THIRD AVE.)	1	180,000	43
Major Streets	STREET SIGN REPLACEMENT	2	7,500	44
Local Streets	LYNN STREET (HERSEY TO COBB)	1	120,000	52
Local Streets	AYER STREET (MITCHELL TO WHEELER)	1	70,000	53
Local Streets	STREET SIGN REPLACEMENT	2	7,500	54
Cemetery	TRUCK	1	19,000	74
Cemetery	RIDING LAWN MOWER	1	8,500	75
Water/Wastewater	LYNN STREET (HERSEY TO COBB)	1	40,000	85
Water/Wastewater	AYER STREET (MITCHELL TO WHEELER)	1	17,500	86
Water/Wastewater	GUNN/SEVENTH STREET (MITCHELL TO THIRD AVE.)	1	20,000	87
Water/Wastewater	MITCHELL STREET	1	600,000	88
Water/Wastewater	WATER SUPPLY IMPROVEMENTS	1	3,754,700	89
Stores & Garage	UNDERBODY PLOW	2	8,600	128
Stores & Garage	VACUUM STREET SWEEPER	1	185,000	129
Stores & Garage	WHEEL LOADER	2	110,000	130
IT	DATA STORAGE	2	15,000	150
IT	PRINTERS	2	7,500	151
IT	COMPUTER REPLACEMENT	1	20,000	152
IT	NETWORK DATA BACKUP	2	10,000	153
IT	NETWORK SERVERS	1	70,000	154
IT	IT INFRASTRUCTURE	1	15,000	155
Total for FY 2011-2012			\$5,473,100	

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Plan Fiscal Year: 2012-2013			
Department	Project	Cost	Page
General Gov't.	STAFF VEHICLE	19,000	10
General Gov't.	FLOOR COVERING	10,500	11
General Gov't.	CONCRETE APRON REPLACEMENTS	22,000	12
Public Safety	POLICE PATROL VEHICLE	26,600	22
Public Safety	INTERVIEW ROOM RENOVATION	7,500	23
Public Safety	RESCUE TOOLS	12,000	24
Parks	SHORELINE STABILIZATION	7,500	33
Parks	WALKWAY GAZEBO BRIDGE	25,000	34
Major Streets	CARMEL STREET (EAST DIVISION TO CHAPIN)	30,000	45
Major Streets	STREET SIGN REPLACEMENT	7,500	46
Local Streets	CEDAR STREET (EVART TO COBB)	13,200	55
Local Streets	EVART STREET (OAK TO LESTER)	70,000	56
Local Streets	HERSEY STREET (CEDAR TO OAK)	100,000	57
Local Streets	STREET SIGN REPLACEMENT	7,500	58
Cemetery	MAINTENANCE VEHICLE	7,500	76
Cemetery	RIDING LAWN MOWER	8,500	77
Water/Wastewater	CARMEL STREET (EAST DIVISION TO CHAPIN)	25,000	90
Water/Wastewater	EVART STREET (OAK TO LESTER)	50,000	91
Water/Wastewater	HERSEY STREET (CEDAR TO OAK)	35,000	92
Water/Wastewater	MITCHELL ALLEY	45,000	93
Water/Wastewater	SERVICE TRUCK	25,000	94
Water/Wastewater	TRACTOR BACKHOE	60,000	95
Water/Wastewater	SEWER VACUUM/JET TRUCK	220,000	96
Water/Wastewater	BOERSMA PROPERTY UTILITIES EXTENSION	350,000	97
Water/Wastewater	WATER SUPPLY IMPROVEMENTS	3,400,000	89
Stores & Garage	PICKUP TRUCK	19,500	131
Stores & Garage	UNDERBODY PLOW	9,000	132
Stores & Garage	1-TON DUMP TRUCK	30,000	133
Stores & Garage	UNDERBODY PLOW TRUCK	126,000	134
Stores & Garage	ONE-WAY PLOW	9,000	135
IT	COMPUTER REPLACEMENT	20,000	156
IT	NETWORK DATA BACKUP	7,500	157
IT	SOFTWARE: APPLICATIONS	15,000	158
IT	PHONE SYSTEM	50,000	159
Total for FY 2012-2013		\$4,870,300	

Plan Fiscal Year: 2013-2014			
Department	Project	Cost	Page
Public Safety	POLICE PATROL VEHICLE	27,900	25
Public Safety	PORTABLE RADIOS	8,000	26
Parks	KENWOOD PARK PAVING	60,000	35
Parks	CHESTNUT STREET PARKING LOT	35,000	36
Major Streets	NORTH LAKE STREET (SOUTH TO CHAPIN)	100,000	47
Major Streets	STREET SIGN REPLACEMENT	7,500	48
Local Streets	WHEELER STREET (POWERS TO AYER)	90,000	59
Local Streets	CRIPPEN STREET (MITCHELL TO PARK)	105,000	60
Local Streets	HOLLY ROAD (BARBARA TO WREN)	99,000	61
Local Streets	EAST GARFIELD STREET (HOLBROOK TO HIGGINS)	120,000	62

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Local Streets	STREET SIGN REPLACEMENT	7,500	63
Cemetery	STREET PAVING	40,000	78
Water/Wastewater	WHEELER STREET (POWERS TO AYER)	65,000	98
Water/Wastewater	CRIPPEN STREET (MITCHELL TO PARK)	58,000	99
Water/Wastewater	EAST GARFIELD STREET (HOLBROOK TO HIGGINS)	35,000	100
Water/Wastewater	GLOBAL POSITIONING SYSTEM (GPS) EQUIPMENT	8,000	101
Water/Wastewater	SEWER CAMERA	60,000	102
Water/Wastewater	SEWER JETTER	100,000	103
Water/Wastewater	TWO (2) PICKUP TRUCKS	50,000	104
Stores & Garage	PICKUP TRUCK	25,000	136
Stores & Garage	UNDERBODY PLOW TRUCK	135,000	137
Stores & Garage	UNDERBODY PLOW	9,000	138
Stores & Garage	ONE-WAY PLOW	9,400	139
Stores & Garage	BOSS TYPE V-PLOW	7,500	140
Stores & Garage	RIDING LAWN MOWER	8,500	141
IT	DATA STORAGE	15,000	160
IT	COMPUTER REPLACEMENT	20,000	161
IT	SOFTWARE: APPLICATIONS	7,500	162
Total for FY 2013-2014		\$1,312,800	

Plan Fiscal Year: 2014-2015

Department	Project	Cost	Page
General Gov't.	UPGRADE COMPLEX RESTROOMS	30,000	13
Public Safety	POLICE PATROL VEHICLE	30,700	27
Public Safety	FIRE RESCUE VEHICLE	38,000	28
Parks	SKATE PARK EQUIPMENT	40,000	37
Parks	SHORELINE STABILIZATION	7,500	38
Major Streets	WEST DIVISION STREET (LEESON TO SENECA)	104,000	49
Local Streets	SELMA STREET (W. DIVISION TO WRIGHT)	100,000	64
Local Streets	SOUTH STREET (LAKE TO FOUR WINNS TEST CENTER)	50,000	65
Local Streets	ALDRICH STREET (BOND TO LINDEN)	60,000	66
Local Streets	MARBLE STREET (MITCHELL TO SUNNYSIDE)	75,000	67
Local Streets	STREET SIGN REPLACEMENT	7,500	68
Cemetery	RIDING LAWN MOWER	8,500	79
Water/Wastewater	SELMA STREET (W. DIVISION TO WRIGHT)	91,000	105
Water/Wastewater	SOUTH STREET (LAKE TO FOUR WINNS TEST CENTER)	35,000	106
Water/Wastewater	ALDRICH STREET (BOND TO LINDEN)	40,000	107
Water/Wastewater	R&D PUMP	10,000	108
Water/Wastewater	PICKUP TRUCK (HEAVY DUTY)	30,000	109
Water/Wastewater	PICKUP TRUCK (REGULAR DUTY)	20,000	110
Water/Wastewater	MANHOLE REHABILITATION	25,000	111
Water/Wastewater	LIFT STATION INFLUENT GATE VALVES	75,000	112
Water/Wastewater	LABORATORY STILLS	30,000	113
Water/Wastewater	BIO-BUILDING ROOF REPLACEMENT	20,000	114
Water/Wastewater	13TH STREET STORM POND TRANSFORMER	10,000	115
Water/Wastewater	ULTRAVIOLET DISINFECTION EQUIPMENT	35,500	116
Water/Wastewater	COBB STREET	200,000	117
Stores & Garage	UNDERBODY PLOW TRUCK	135,000	142
Stores & Garage	REGENERATIVE AIR SWEEPER	175,000	143
IT	COMPUTER REPLACEMENT	20,000	163
Total for FY 2014-2015		\$1,502,700	

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Plan Fiscal Year: 2015-2016			
Department	Project	Cost	Page
General Gov't.	COBB STREET SIDEWALK	100,000	14
General Gov't.	PEARL STREET SIDEWALK	96,000	15
Public Safety	POLICE PATROL VEHICLE	33,900	29
Public Safety	FIRE PUMPER	385,000	30
Parks	SPRINKLER SYSTEM REPLACEMENT	60,000	39
Parks	RIDING MOWER	8,500	40
Major Streets	WEST BREMER STREET (LAKE TO MITCHELL)	40,000	50
Local Streets	EAST BREMER STREET (MITCHELL TO PARK)	100,000	69
Local Streets	SMITH STREET (WHEELER TO BURLINGAME)	40,000	70
Local Streets	BLODGETT STREET (LINCOLN TO E. DIVISION)	65,000	71
Local Streets	STREET SIGN REPLACEMENT	7,500	72
Cemetery	ENTRANCE PILLARS	50,000	80
Industrial Parks	JAMES E. POTVIN INDUSTRIAL PARK	525,000	82
Water/Wastewater	WEST BREMER STREET (LAKE TO MITCHELL)	38,000	118
Water/Wastewater	EAST BREMER STREET (MITCHELL TO PARK)	85,000	119
Water/Wastewater	BLODGETT STREET (LINCOLN TO E. DIVISION)	23,800	120
Water/Wastewater	MANHOLE REHABILITATION	25,000	121
Water/Wastewater	RAW/PRIMARY SAMPLER REPLACEMENT	7,500	122
Water/Wastewater	STAFF CAR	18,000	123
Water/Wastewater	WATER TOWER PAINTING	230,000	124
Water/Wastewater	DUMP TRUCK	75,000	125
Water/Wastewater	WASTEWATER FUME HOOD	10,000	126
Stores & Garage	UNDERBODY PLOW TRUCK	140,000	144
Stores & Garage	1-TON DUMP TRUCK	35,000	145
Stores & Garage	DOWNTOWN STREET SWEEPER	25,000	146
Stores & Garage	BUCKET TRUCK	150,000	147
IT	COMPUTER REPLACEMENT	20,000	164
IT	NETWORK SERVERS	70,000	165
Total for FY 2015-2016		\$2,463,200	
5-Year Total Capital Improvement Program		\$15,622,100	

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.

We hope that this summary is useful, and that this 5-Year 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: 2011-2012

OFFICE FURNITURE REPLACEMENT	9,000
CONFERENCE ROOM CHAIRS	9,000
Total for FY 2011-2012	\$18,000

Plan Fiscal Year: 2012-2013

STAFF VEHICLE	19,000
FLOOR COVERING	10,500
CONCRETE APRON REPLACEMENTS	22,000
Total for FY 2012-2013	\$51,500

Plan Fiscal Year: 2013-2014

** NO PROJECTS **	0
Total for FY 2013-2014	\$0

Plan Fiscal Year: 2014-2015

UPGRADE RESTROOMS	30,000
Total for FY 2014-2015	\$30,000

Plan Fiscal Year: 2015-2016

COBB STREET SIDEWALK	100,000
PEARL STREET SIDEWALK	96,000
Total for FY 2015-2016	\$196,000

Grand Total for Municipal Complex/General Government	\$295,500
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CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **OFFICE FURNITURE REPLACEMENT**

First Year in CIP: 2006
Project Category: Building Maintenance
Department: Municipal Complex

Total Project Cost: \$9,000

Project Description: Office Desks

Project Justification and/or Need: Replace and upgrade desks that were installed when complex was initially opened in the mid-1970s. In this fiscal year, the last remaining original desks in the administrative and utilities offices will be replaced. Current year project will include the engineer, community development director, utilities director and utilities facilities manager.



Project Impact/Benefit: Current office furniture that remains from 1974 is outdated and much of it is worn out. Replacement will enhance usability and efficiency of office space use.

Operating Fund Impact: Reduce minor maintenance costs \$100 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: **2011-2012**
Project Title: **OFFICE FURNITURE REPLACEMENT**

First Year in CIP: 2006
Project Category: Building Maintenance
Department: Municipal Complex

Total Project Cost: \$9,000

Project Description: Conference Room Chairs

Project Justification and/or Need: The conference room chairs are becoming broken down, and were re-covered one time already to extend their useful life. Ten (10) new chairs with rollers and ten (10) stationary chairs to go around the room's perimeter will be purchased.

Project Impact/Benefit: Current office furniture is outdated and much of it is worn out. Replacement will enhance usability and efficiency of office space use.



Operating Fund Impact: Reduce minor maintenance costs \$100 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$9,000
Total	<u>\$9,000</u>

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

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

Program Fiscal Year: **2012-2013**
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>

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **CONCRETE APRON REPLACEMENTS**

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

Total Project Cost: \$22,000

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

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

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



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

Funding Source(s) for this Project:

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

Program Fiscal Year: **2014-2015**

Project Title: **UPGRADE COMPLEX RESTROOMS**

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

Total Project Cost: \$30,000

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

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



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

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

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2015-2016**

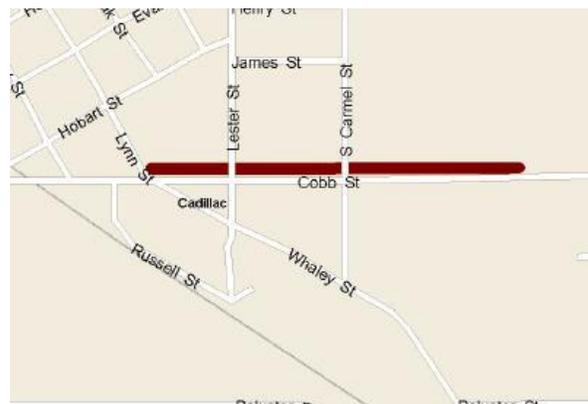
Project Title: **COBB STREET SIDEWALK**

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 \$1,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Special Assessments	\$100,000
Total	\$100,000

Program Fiscal Year: **2015-2016**
 Project Title: **PEARL STREET SIDEWALK**

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

Total Project Cost: \$96,000

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 \$1,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Special Assessments	\$96,000
Total	\$96,000

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Projects Identified – Public Safety

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

	Police	Fire
Plan Fiscal Year: 2011-2012		
POLICE PATROL VEHICLE	25,300	
INTERVIEW ROOM RECORDING EQUIPMENT	9,500	
EXTRICATION EQUIPMENT		7,500
THERMAL IMAGING CAMERA		8,500
Total for FY 2011-2012	\$34,800	\$16,000
Plan Fiscal Year: 2012-2013		
POLICE PATROL VEHICLE	26,600	
INTERVIEW ROOM RENOVATION	7,500	
RESCUE TOOLS		12,000
Total for FY 2012-2013	\$34,100	\$12,000
Plan Fiscal Year: 2013-2014		
POLICE PATROL VEHICLE	27,900	
PORTABLE RADIOS	8,000	
Total for FY 2013-2014	\$35,900	\$0
Plan Fiscal Year: 2014-2015		
POLICE PATROL VEHICLE	30,700	
FIRE RESCUE VEHICLE		38,000
Total for FY 2014-2015	\$30,700	\$38,000
Plan Fiscal Year: 2015-2016		
POLICE PATROL VEHICLE	33,900	
FIRE PUMPER		385,000
Total for FY 2015-2016	\$33,900	\$385,000
Departmental Total	\$169,400	\$451,000
Grand Total for Public Safety		\$620,400

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **POLICE PATROL VEHICLE**

First Year in CIP: 2006
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$25,300

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	\$25,300
Total	\$25,300

Program Fiscal Year: **2011-2012**

Project Title: **INTERVIEW ROOM RECORDING EQUIPMENT**

First Year in CIP: 2010
Project Category: Equipment Acquisition
Department: Police



Total Project Cost: \$9,500

Project Description: Equip the department with the capability to video record witness, victim, and suspect interviews and interrogations.

Project Justification and/or Need: Video recording of suspect, witness, and victim interviews and interrogations is becoming the standard across the nation. It provides a pure and indisputable record of the events during an interview or interrogation. This protects the officer, department, and city from false accusations while raising the level of service and professionalism of the officers that conduct these interviews. Due to the media exposure of police activities, the public and courts have come to expect that these activities will be recorded.

Project Impact/Benefit: A properly obtained and documented confession many times eliminates the need of officers to appear in court and reduces overtime because these cases are often quickly settled. It provides transparent and unbiased evidence to the public and courts as to what was said without question of misinterpretation of statements given. Recording can be very beneficial to the community by helping to secure a conviction in court on prosecution of serious crimes.

Operating Fund Impact: Reduced overtime costs from fewer appearances in court by police personnel.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$9,500
Total	\$9,500

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **EXTRICATION EQUIPMENT**

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



Total Project Cost: \$7,500

Project Description: Upgrade for hydraulic cutters used for cutting roofs off vehicles during extrications.

Project Justification and/or Need: The auto industry is currently using boron rods in the frame construction of many autos. The current hydraulic cutters utilized by the CFD are unable to cut these boron rods making roof removals and dash rolls almost impossible with the current tools.

Project Impact/Benefit: Improves safety for the public that are involved in motor vehicle accidents. Improve safety and capabilities of Firefighters and EMS personnel performing extrication and patient care. Current hydraulic cutter would be used as a trade-in to get a \$1,500 credit toward the purchase of the new cutter.

Operating Fund Impact: None.

Funding Source(s) for this Project:

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

Program Fiscal Year: **2011-2012**
Project Title: **THERMAL IMAGING CAMERA**

First Year in CIP: 2006
Project Category: Equipment Replacement
Department: Fire



Total Project Cost: \$8,500

Project Description: Replace thermal imaging camera.

Project Justification and/or Need: The thermal imaging camera is a life-saving tool that allows firefighters to locate victims in zero visibility conditions and find hidden "hot spots" inside walls. The current camera is 5 years old and has seen heavy use. Advances in technology provide an opportunity to replace the camera with a smaller, lighter model with enhanced features.



Project Impact/Benefit: Increased safety to the public and firefighters, as well as enhanced life-saving capabilities.

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

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Current Property Tax Revenues	\$8,500
Total	<u>\$8,500</u>

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **VEHICLE REPLACEMENT**

First Year in CIP: 2007
Project Category: Vehicle Replacement
Department: Police



Total Project Cost: \$26,600

Project Description: The patrol vehicle replacement program is designed to replace vehicles by the end of their estimated useful life. Vehicle #11, a 2005 Chevrolet Tahoe, will be replaced this year.

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	\$26,600
Total	\$26,600

Program Fiscal Year: **2012-2013**

Project Title: **INTERVIEW ROOM RENOVATION**

First Year in CIP: 2010
Project Category: Building Improvements
Department: Police



Total Project Cost: \$7,500

Project Description: Renovate the current patrol ready room and file storage room, originally designed to be two prisoner holding cells, into one larger office space to be utilized by the detective. The current detective office, originally designed to be an interview room, would be converted back for that purpose.

Project Justification and/or Need: The department is in need of a second area in which to conduct interviews, interrogations, and take witness and victim statements. Many times these are done in the hallway, lobby, or break room because the current single interview room is not available. The addition of a second interview room would allow for one being set up for interrogations and interviews, whereas the second could be set up as a softer environment for the interviewing of victims of crimes such as CSC, assault, and child abuse. This project would also provide the detective enough space to meet with the public and with officers at his own work station. The detective's current location was originally a temporary and has become a detriment to the operation by using the space for a purpose other than what it was intended.

Project Impact/Benefit: The addition of a second interview space would provide officers a much needed area in which to conduct a proper interview or interrogation. The interview room would offer a very comfortable and safe environment which greatly enhances the ability of an officer to obtain the necessary information from the victim of a violent or serious crime by moving them away from the mainstream of department operations. This space could also be used as a secondary interrogation room if needed. Moving the detective into the new office space would put him more in the mainstream of department operations making him more accessible to the public, patrol officers, and the administrative staff.

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	\$7,500
Total	\$7,500

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **RESCUE TOOLS**

First Year in CIP: 2007
Project Category: Equipment Replacement
Department: Fire



Total Project Cost: \$12,000

Project Description: Replace the Jaws of Life and related equipment.

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 current tools were purchased in 2005 and will be more than 5 years old. The tools should be replaced and advances in technology will allow for the purchase of lighter and more 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	\$12,000
Total	<u>\$12,000</u>

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



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

Total Project Cost: \$27,900

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	\$27,900
Total	\$27,900

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2013-2014** 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: **POLICE PATROL VEHICLE**

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



Total Project Cost: \$30,700

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	\$30,700
Total	\$30,700

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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

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

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



Total Project Cost: \$33,900

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	\$33,900
Total	\$33,900

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2014-2015**

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

Projects Identified – Municipal Parks

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

Plan Fiscal Year: 2011-2012

RIDING LAWN MOWER	8,500
Total for FY 2011-2012	\$8,500

Plan Fiscal Year: 2012-2013

SHORELINE STABILIZATION	7,500
WALKWAY GAZEBO BRIDGE	25,000
Total for FY 2012-2013	\$32,500

Plan Fiscal Year: 2013-2014

KENWOOD PARK PAVING	60,000
CHESTNUT STREET PARKING LOT	35,000
Total for FY 2013-2014	\$95,000

Plan Fiscal Year: 2014-2015

SKATE PARK EQUIPMENT	40,000
SHORELINE STABILIZATION	7,500
Total for FY 2014-2015	\$47,500

Plan Fiscal Year: 2015-2016

SPRINKLER SYSTEM REPLACEMENT	60,000
RIDING MOWER	8,500
Total for FY 2015-2016	\$68,500

Grand Total for Municipal Parks	\$252,000
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CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2006
Project Category: Equipment Replacement
Department: Municipal Parks

Total Project Cost: \$8,500

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	\$8,500
Total	<u>\$8,500</u>

Program Fiscal Year: **2012-2013**
Project Title: **SHORELINE STABILIZATION**

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

Total Project Cost: \$7,500

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

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

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



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

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

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: **2013-2014**
Project Title: **KENWOOD PARK 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 2011-2016

Program Fiscal Year: **2013-2014**

Project Title: **CHESTNUT STREET PAVING**

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. This parking lot is in need of repair to ensure ongoing usability.

Project Justification and/or Need: Parking lot will need an overlay of blacktop as well as new curb and gutter in the first major parking lot located across from the Cadillac Middle School. The drainage of the lot will also be improved.



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

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

Funding Source(s) for this Project:

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

Program Fiscal Year: **2014-2015**
Project Title: **SKATE PARK EQUIPMENT**

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

Total Project Cost: \$40,000

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

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

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



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

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2014-2015**

Project Title: **SHORELINE STABILIZATION**

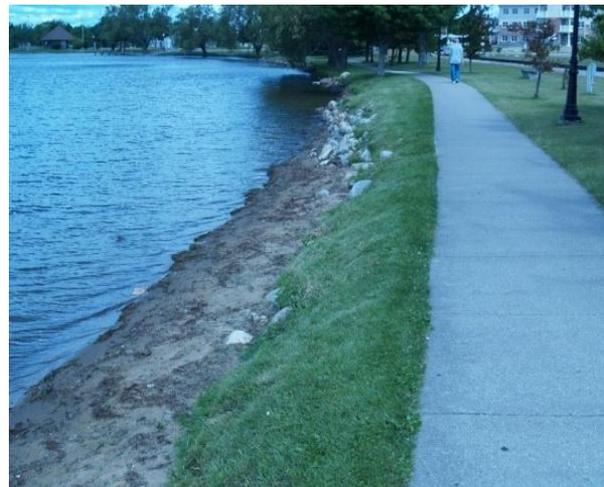
First Year in CIP: 2009
Project Category: Improvements
Department: Municipal Parks

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:

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

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 2011-2016

Program Fiscal Year: **2015-2016**

Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2010
Project Category: Equipment Replacement
Department: Municipal Parks

Total Project Cost: \$8,500

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	\$8,500
Total	<u>\$8,500</u>

Projects Identified – Major Streets

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

Plan Fiscal Year: 2011-2012

FARRAR STREET	110,000
GUNN/SEVENTH STREET	180,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2011-2012	\$297,500

Plan Fiscal Year: 2012-2013

CARMEL STREET (EAST DIVISION TO CHAPIN)	30,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2012-2013	\$37,500

Plan Fiscal Year: 2013-2014

NORTH LAKE STREET (SOUTH TO CHAPIN)	100,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2013-2014	\$107,500

Plan Fiscal Year: 2014-2015

WEST DIVISION STREET (LEESON TO SENECA)	104,000
Total for FY 2014-2015	\$104,000

Plan Fiscal Year: 2015-2016

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

Grand Total for Major Streets	\$586,500
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CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

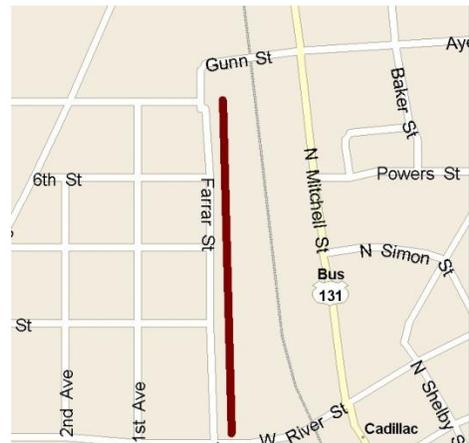
Project Title: **FARRAR STREET**

First Year in CIP: 2010
Project Category: Infrastructure Reconstruction
Department: Major Street

Total Project Cost: \$110,000

Project Description: Remove and replace a section of Farrar Street from River Street to Seventh Street.

Project Justification and/or Need: This highly traveled street will be a detour route when the Michigan Department of Transportation (MDOT) reconstructs Mitchell Street beginning in the spring of 2011. Because MDOT will use the street as a detour, they will also pay for resurfacing the street as part of the total costs of the Mitchell Street project. Instead of just resurfacing, the City will fund the additional costs of removing and replacing the street due to its age.



Project Impact/Benefit: Improved traffic flow and drivability, as well as reducing maintenance costs on an older 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>
Michigan Department of Transportation	\$60,000
Motor Vehicle Highway Funds	50,000
Total	<u>\$110,000</u>

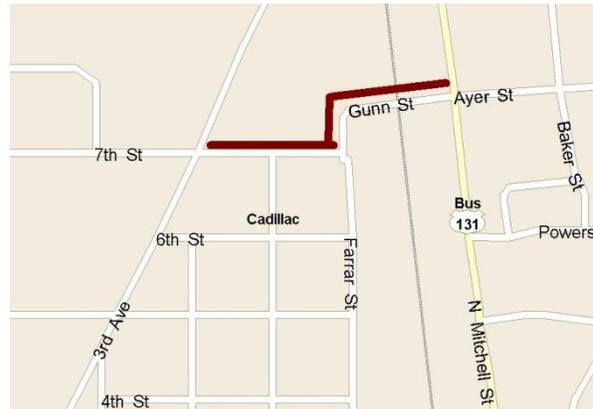
Program Fiscal Year: **2011-2012**
 Project Title: **GUNN/SEVENTH STREETS**

First Year in CIP: 2010
Project Category: Infrastructure Reconstruction
Department: Major Street

Total Project Cost: \$180,000

Project Description: Remove and replace a section of Gunn/Seventh Streets from Mitchell Street to Third Avenue.

Project Justification and/or Need: The City was awarded a grant from the Michigan Department of Transportation to reconstruct this highly-traveled route near the City's industrial parks. Gunn Street has a street rating of 2 out of 10, while Seventh Street is rated 3 out of 10.



Project Impact/Benefit: Improved traffic flow and drivability, as well as reducing maintenance costs on an older 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>
Michigan Department of Transportation	\$150,000
Motor Vehicle Highway Funds	30,000
Total	\$180,000

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2006
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 is approximately 60% complete prior to this year's project. This is the final year of the process.



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

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

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Motor Vehicle Highway Funds	\$7,500
Total	<u>\$7,500</u>

Program Fiscal Year: **2012-2013**
 Project Title: **CARMEL STREET**

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

Total Project Cost: \$30,000

Project Description: Remove and replace a section of Carmel Street from East Division Street to Chapin Street.

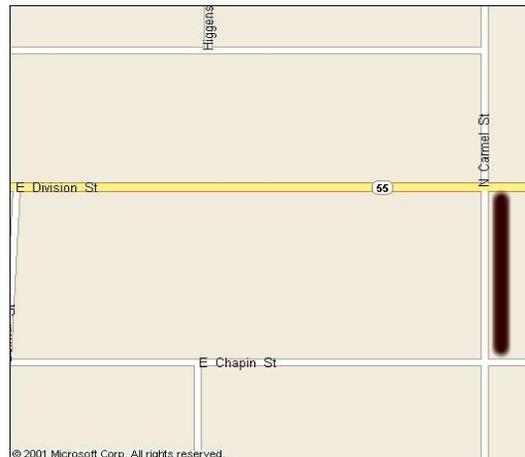
Project Justification and/or Need: This one block area is a highly traveled area, including a significant amount of emergency traffic from the sheriff’s office and ambulance traffic. The area also sees significant residential traffic as well. This project will replace one block of street or 400 linear feet at an estimated \$75 per foot.

Project Impact/Benefit: Improved traffic flow and drivability, as well as reducing maintenance costs on an older 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	\$30,000
Total	\$30,000



CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2009
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 is approximately 80% complete prior to this year's project.



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

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

Funding Source(s) for this Project:

Funding Source	Amount
Motor Vehicle Highway Funds	\$7,500
Total	\$7,500

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

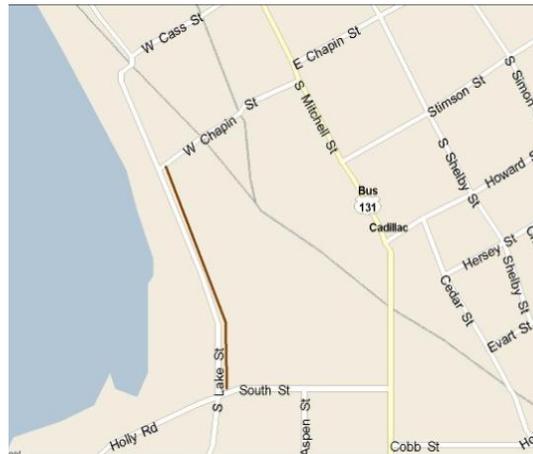
First Year in CIP: 2009
Project Category: Infrastructure Reconstruction
Department: Major Street

Total Project Cost: \$100,000

Project Description: Remove and replace a section of Lake Street from South Street to Chapin Street.

Project Justification and/or Need: The existing has a rating of 2 out of 10 and was last resurfaced 32 years ago. By FY2015 it is expected to further deteriorate and be in need of repair. This project will replace 1000 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	\$100,000
Total	\$100,000

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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.

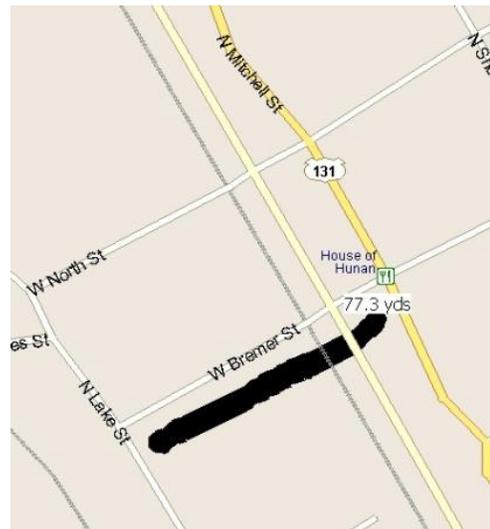
Project Justification and/or Need: The existing street will be removed and replaced with eight inches of gravel and three inches of hot mixed asphalt. The streets with the lowest ratings are the highest priority for repair. Currently this street has a rating of 4 out of 10. By FY2014 it is expected to 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



Projects Identified – Local Streets

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

Plan Fiscal Year: 2011-2012

LYNN STREET (HERSEY TO COBB)	120,000
AYER STREET (MITCHELL TO WHEELER)	70,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2011-2012	\$197,500

Plan Fiscal Year: 2012-2013

CEDAR STREET (EVART TO COBBS)	13,200
EVART STREET (OAK TO LESTER)	70,000
HERSEY STREET (CEDAR TO OAK)	100,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2012-2013	\$190,700

Plan Fiscal Year: 2013-2014

WHEELER STREET (POWERS TO AYER)	90,000
CRIPPEN STREET (MITCHELL TO PARK)	105,000
HOLLY ROAD (BARBARA TO WREN)	99,000
EAST GARFIELD STREET (HOLBROOK TO HIGGINS)	120,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2013-2014	\$421,500

Plan Fiscal Year: 2014-2015

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	\$292,500

Plan Fiscal Year: 2015-2016

EAST BREMER STREET (MITCHELL TO PARK)	100,000
SMITH STREET (WHEELER TO BURLINGAME)	40,000
BLODGETT STREET (LINCOLN TO E. DIVISION)	65,000
STREET SIGN REPLACEMENT	7,500
Total for FY 2015-2016	\$212,500

Grand Total for Local Streets \$1,314,700

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **LYNN STREET**

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

Total Project Cost: \$120,000

Project Description: Remove and replace a section of Lynn Street from Cobb Street to Hersey Street.

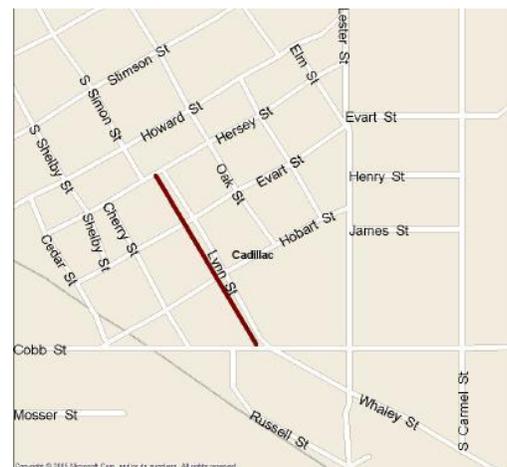
Project Justification and/or Need: *(This project was identified as a Year 1 project in the prior CIP but delayed in the budgeting process due to lack of funding.)* This street has a current rating of 2 out of 10 and is in need of immediate repair. Project will replace 1,200 feet of street at a cost 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	\$120,000
Total	\$120,000



Program Fiscal Year: **2011-2012**
 Project Title: **AYER STREET**

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

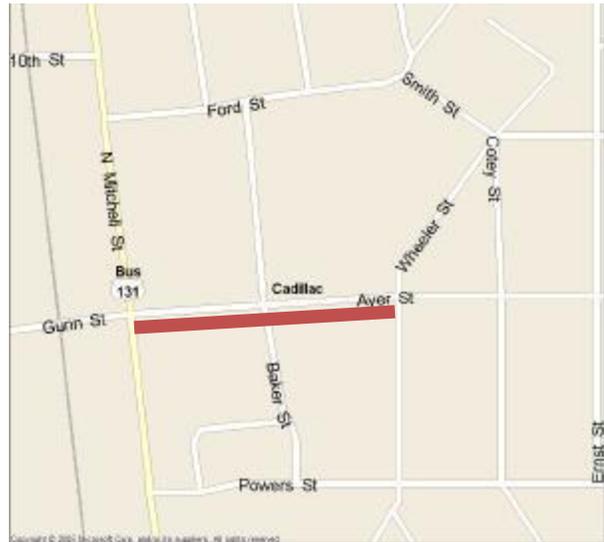
Total Project Cost: \$70,000

Project Description: Remove and replace a section of Ayer Street from Mitchell Street to Wheeler Street.

Project Justification and/or Need: This street has a current rating of 4 out of 10. This project will replace 700 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	\$70,000
Total	\$70,000

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2006
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 35% 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: **2012-2013**
 Project Title: **CEDAR STREET**

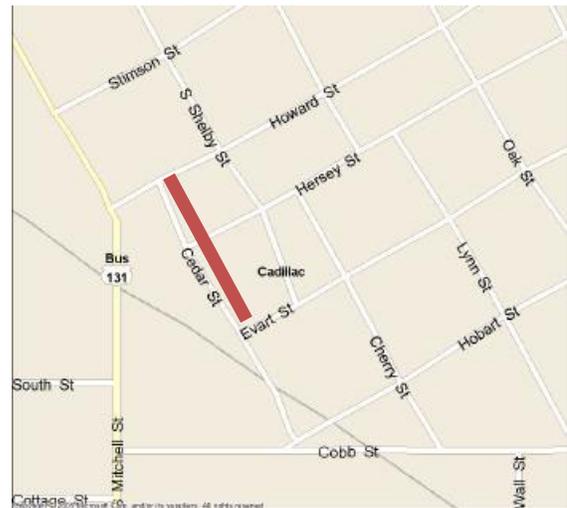
First Year in CIP: 2004
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$13,200

Project Description: Repair and resurface a section of Cedar Street from Ewart Street to Cobbs Street.

Project Justification and/or Need: This street has a rating of 2 out of 10 and is in need of repair. No repairs to utilities are a part of this project, which will replace 400 feet of street 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	\$13,200
Total	\$13,200

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

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.

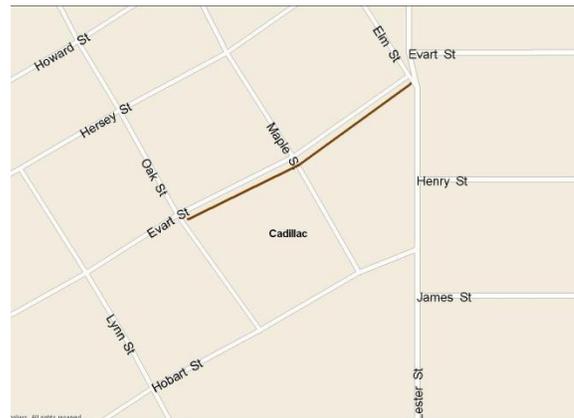
Project Justification and/or Need: This street has a current rating of 3 out of 10 and is in need of repair. This project will replace 700 feet of street at an estimated cost of \$100 per foot. It was last resurfaced 35 years ago.

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



Program Fiscal Year: **2012-2013**
 Project Title: **HERSEY STREET**

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

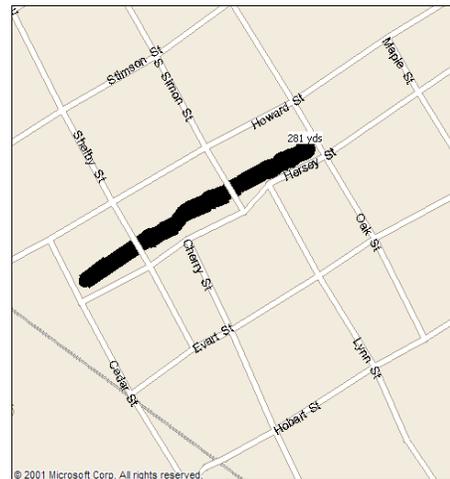
Total Project Cost: \$100,000

Project Description: Remove and replace a section of Hersey Street from Cedar Street to Oak 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 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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2006
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 45% 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: **2013-2014**
 Project Title: **WHEELER STREET**

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

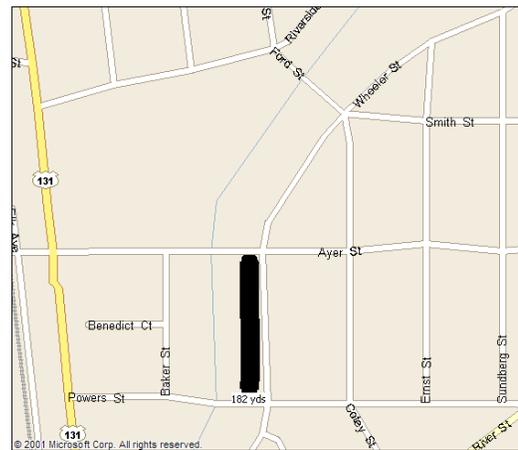
Total Project Cost: \$90,000

Project Description: Remove and replace a section of Wheeler Street from Powers Street to Ayer 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 900 feet of street at an estimated cost of \$100 per foot.

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

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



Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2013-2014**

Project Title: **CRIPPEN STREET**

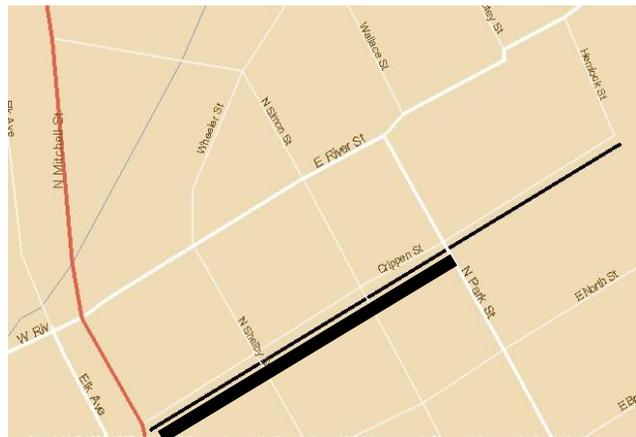
First Year in CIP: 2003
Project Category: Infrastructure Reconstruction
Department: Local Street

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: **2013-2014**
Project Title: **HOLLY ROAD**

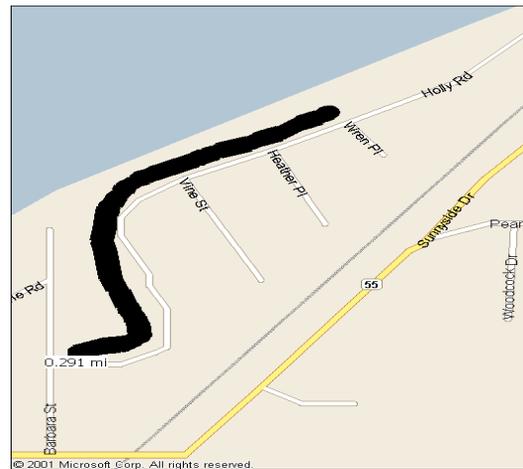
First Year in CIP: 2003
Project Category: Infrastructure Reconstruction
Department: Local Street

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 3 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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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

Program Fiscal Year: **2013-2014**
Project Title: **STREET SIGN REPLACEMENT**

First Year in CIP: 2006
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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2014-2015**

Project Title: **SELMA STREET**

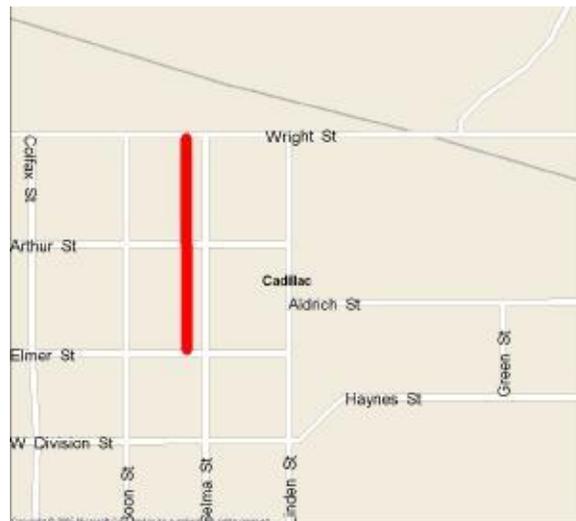
First Year in CIP: 2003
Project Category: Infrastructure Reconstruction
Department: Local Street

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

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

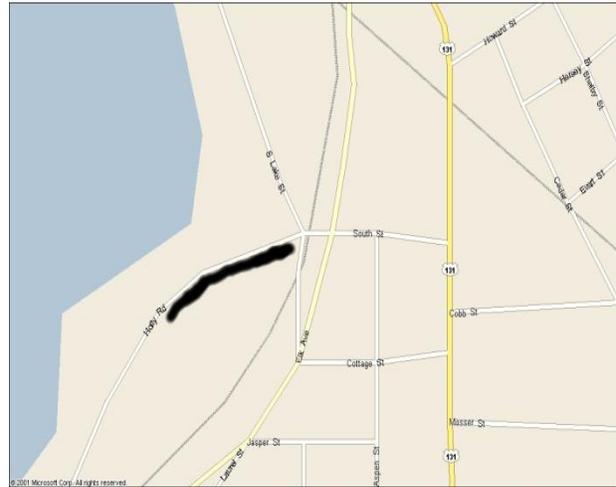
First Year in CIP: 2005
Project Category: Infrastructure Reconstruction
Department: Local Street

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2014-2015**

Project Title: **ALDRICH STREET**

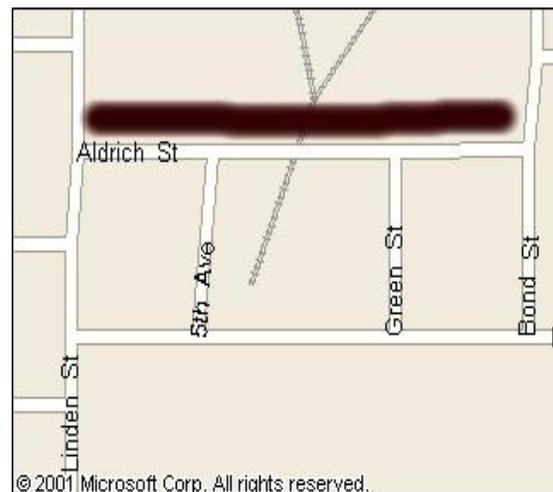
First Year in CIP: 2006
Project Category: Infrastructure Reconstruction
Department: Local Street

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

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

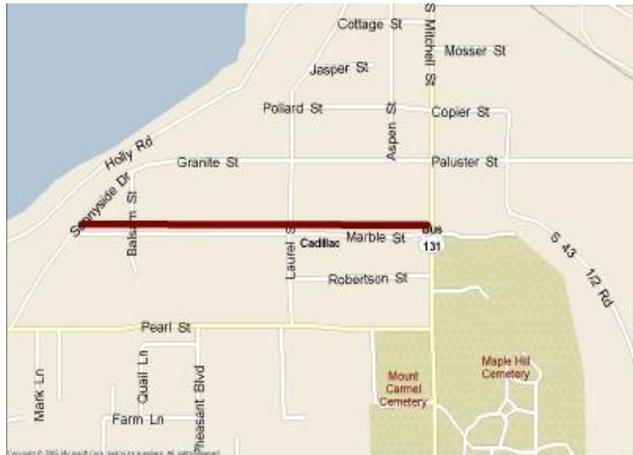
First Year in CIP: 2008
Project Category: Infrastructure Reconstruction
Department: Local Street

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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:

Funding Source	Amount
Motor Vehicle Highway Funds	\$7,500
Total	\$7,500

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

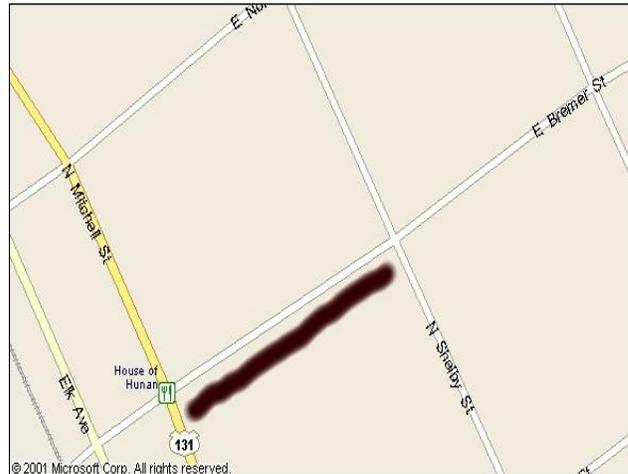
First Year in CIP: 2003
Project Category: Infrastructure Reconstruction
Department: Local Street

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2015-2016**

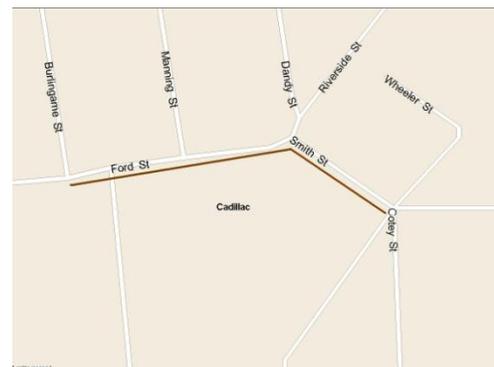
Project Title: **SMITH STREET**

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

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

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

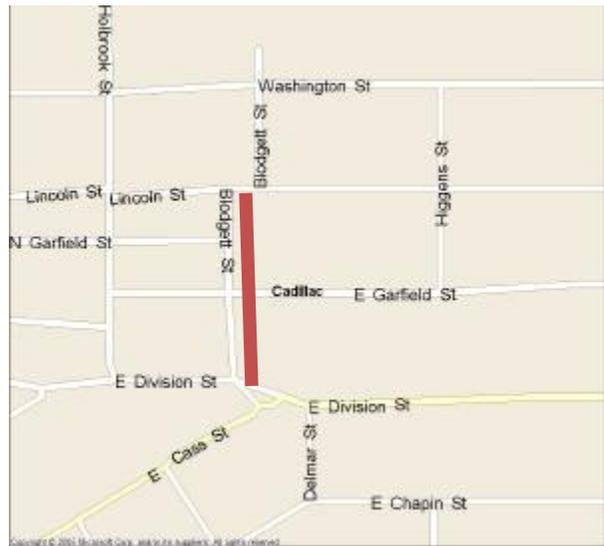
Total Project Cost: \$65,000

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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

Projects Identified – Cemetery Operating

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

Plan Fiscal Year: 2011-2012

TRUCK	19,000	
RIDING MOWER	8,500	
Total for FY 2011-2012		\$27,500

Plan Fiscal Year: 2012-2013

MAINTENANCE VEHICLE	7,500	
RIDING MOWER	8,500	
Total for FY 2012-2013		\$16,000

Plan Fiscal Year: 2013-2014

PAVING	40,000	
Total for FY 2013-2014		\$40,000

Plan Fiscal Year: 2014-2015

RIDING MOWER	8,500	
Total for FY 2014-2015		\$8,500

Plan Fiscal Year: 2015-2016

ENTRANCE PILLARS	50,000	
Total for FY 2015-2016		\$50,000

Grand Total for Cemetery		<u>\$142,000</u>

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **TRUCK**

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

Total Project Cost: \$19,000

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

Project Justification and/or Need: Current vehicle has been in daily service at the cemetery since 1999 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 \$800 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Cemetery Operating Revenues	\$19,000
Total	<u>\$19,000</u>

Program Fiscal Year: **2011-2012**
Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2006
Project Category: Equipment Replacement
Department: Cemetery

Total Project Cost: \$8,500

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	\$8,500
Total	<u>\$8,500</u>

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **MAINTENANCE UTILITY VEHICLE**

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

Total Project Cost: \$7,500

Project Description: Replace utility vehicle used in cemetery maintenance activities.

Project Justification and/or Need: Current utility vehicle is used almost daily to assist in maintenance activities at the cemetery. Current unit will be 6 years old and in need of replacement. Due to the narrow track this vehicle is able to move between rows of headstones and therefore simplifies the digging and restoration of grave sites.



Project Impact/Benefit: Enhances productivity and efficiency of maintenance and customer service operations at the cemetery.

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

Funding Source(s) for this Project:

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

Program Fiscal Year: **2012-2013**
 Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2010
Project Category: Equipment Replacement
Department: Cemetery

Total Project Cost: \$8,500

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	\$8,500
Total	<u>\$8,500</u>

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2013-2014**

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: **2014-2015**
 Project Title: **RIDING LAWN MOWER**

First Year in CIP: 2010
Project Category: Equipment Replacement
Department: Cemetery

Total Project Cost: \$8,500

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	\$8,500
Total	<u>\$8,500</u>

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2015-2016**

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

Projects Identified – Industrial Parks

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

Plan Fiscal Year: 2011-2012

** NO PROJECTS **

	-
Total for FY 2011-2012	\$0

Plan Fiscal Year: 2012-2013

** NO PROJECTS **

	-
Total for FY 2012-2013	\$0

Plan Fiscal Year: 2013-2014

** NO PROJECTS **

	-
Total for FY 2013-2014	\$0

Plan Fiscal Year: 2014-2015

** NO PROJECTS**

	-
Total for FY 2014-2015	\$0

Plan Fiscal Year: 2015-2016

JAMES E. POTVIN INDUSTRIAL PARK

	525,000
Total for FY 2015-2016	\$525,000

	\$525,000
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CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2015-2016**

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

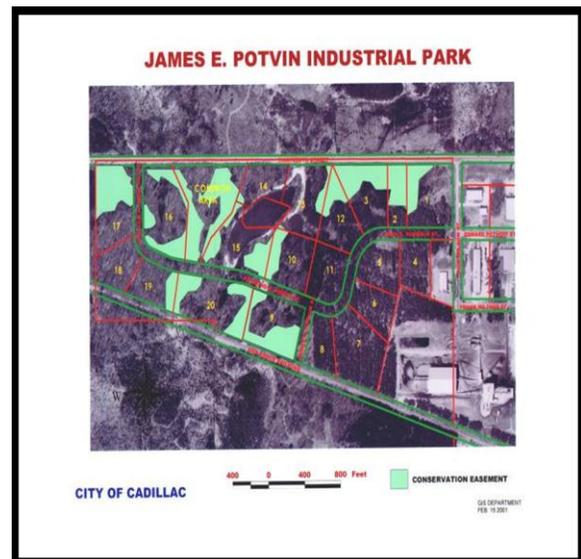
First Year in CIP: 2003
Project Category: Industrial Development
Department: Industrial Parks

Total Project Cost: **\$525,000**

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

Project Details:

Water System	\$168,300
Sanitary Sewer System	81,500
Streets and Storm Water	<u>275,200</u>
Total	<u>\$525,000</u>



Project Justification and/or Need: Project will increase available industrial property through development of new infrastructure including sanitary sewer, water main, and street paving. The project will require wetlands mitigation.

Project Impact/Benefit: Project will result in additional available industrial sites.

Operating Fund Impact: Additional infrastructure and road maintenance will increase operational costs in the Street Department and Utilities by an estimated \$2,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Grant from EDA (70%)	\$366,900
Local Industrial Park Funds (30%)	158,100
Total	<u>\$525,000</u>

Projects Identified – Water and Wastewater

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

Plan Fiscal Year: 2011-2012

LYNN STREET	40,000
AYER STREET	17,500
SEVENTH/GUNN STREETS	20,000
MITCHELL STREET	600,000
WATER SUPPLY IMPROVEMENTS	<u>3,754,700</u>
Total for FY 2011-2012	\$4,432,200

Plan Fiscal Year: 2012-2013

CARMEL STREET	25,000
EVART STREET	50,000
HERSEY STREET	35,000
MITCHELL ALLEY	45,000
SERVICE TRUCK	25,000
TRACTOR BACKHOE	60,000
SEWER VACUUM/JET TRUCK	220,000
BOERSMA PROPERTY UTILITIES EXTENSION	350,000
WATER SUPPLY IMPROVEMENTS	<u>3,400,000</u>
Total for FY 2012-2013	\$4,210,000

Plan Fiscal Year: 2013-2014

WHEELER STREET	65,000
CRIPPEN STREET	58,000
EAST GARFIELD STREET	35,000
GLOBAL POSITION SYSTEM (GPS) EQUIPMENT	8,000
SEWER CAMERA	60,000
SEWER JETTER	100,000
TWO (2) PICKUP TRUCKS	<u>50,000</u>
Total for FY 2013-2014	\$376,000

Plan Fiscal Year: 2014-2015

SELMA STREET	91,000
SOUTH STREET	35,000
ALDRICH STREET	40,000
R&D PUMP	10,000
PICKUP TRUCK (HEAVY DUTY)	30,000
PICKUP TRUCK (REGULAR DUTY)	20,000

CITY OF CADILLAC

Capital Improvement Program 2011-2016

MANHOLE REHABILITATION	25,000
LIFT STATION INFLUENT GATE VALVES	75,000
LABORATORY STILL	30,000
BIO-BUILDING ROOF REPLACEMENT	20,000
13TH STREET STORM POND TRANSFORMER	10,000
ULTRAVIOLET DISINFECTION EQUIPMENT	35,500
COBB STREET	<u>200,000</u>
Total for FY 2014-2015	\$621,500

Plan Fiscal Year: 2015-2016

WEST BREMER STREET	38,000
EAST BREMER STREET	85,000
BLODGETT STREET	23,800
MANHOLE REHABILITATION	25,000
RAW/PRIMARY SAMPLER REPLACEMENT	7,500
STAFF CAR	18,000
WATER TOWER PAINTING	230,000
DUMP TRUCK	75,000
WASTEWATER FUME HOOD	<u>10,000</u>
Total for FY 2015-2016	\$512,300

Grand Total for Water and Wastewater \$10,152,000

Program Fiscal Year: **2011-2012**
Project Title: **LYNN STREET**

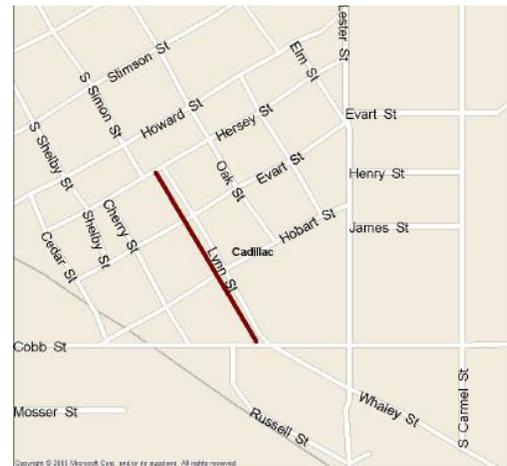
First Year in CIP: **2003**
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: **\$40,000**

Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project will encompass the portion of Lynn Street from Hersey Street to Cobb 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: The quality of the water flow in the area and the quality of the water itself will be improved.



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

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **AYER STREET**

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

Total Project Cost: \$17,500

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

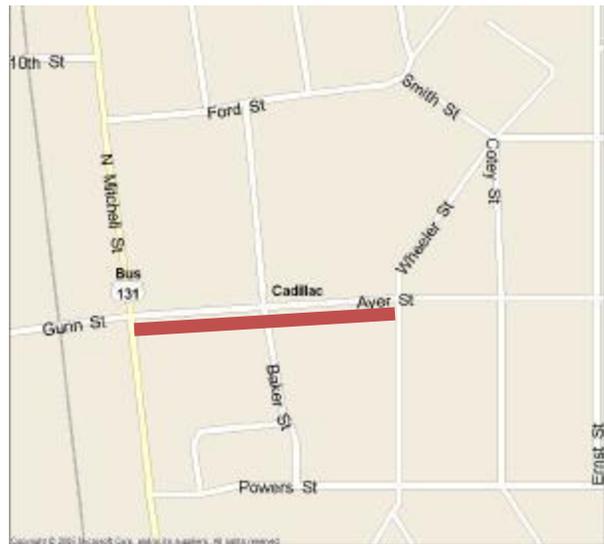
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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	\$17,500
Total	\$17,500



Program Fiscal Year: **2011-2012**
 Project Title: **SEVENTH/GUNN STREETS**

First Year in CIP: 2010
Project Category: Infrastructure Reconstruction
Department: Local Street

Total Project Cost: \$20,000

Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project will encompass the portion of Lynn Street from Hersey Street to Cobb Street.

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

Project Impact/Benefit: The quality of the water flow in the area and the quality of the water itself will be improved.

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

Funding Source(s) for this Project:

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

Program Fiscal Year: **2011-2014 (Multi-Year Project)**
 Project Title: **WATER SUPPLY IMPROVEMENTS**

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

Total Project Cost: \$7,425,000

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 I	Phase II
Property Purchase		\$300,000
Wells/Well Houses/Equipment	\$2,140,000	2,500,000
Piping/Water Mains	639,700	400,000
Contingency	503,000	
Contingency/Legal/Engineering	<u>572,000</u>	<u>500,000</u>
Total	\$3,854,700	\$3,700,000

Phase I project costs are based on estimates included in the Drinking Water Revolving Fund (DWRf) project plan submitted to the State of Michigan in April 2010. It is expected that funds will be available through the DWRf which will provide the City an extremely low-interest loan to enable the project to move forward. Approximately \$100,000 in costs have already been incurred for observation wells and a test production well, which are eligible for reimbursement through draws on the DWRf loan.

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 has been approved for funding 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:

	2012	2013	Total
Project Costs (See Detail Above)	\$3,854,700	\$3,700,000	\$7,554,700
Funding Sources			
DWRf Loan	\$3,854,700	\$3,700,000	\$7,554,700

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **CARMEL STREET**

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

Total Project Cost: \$25,000

Project Description: Replace water and sewer infrastructure below the street surface while it is torn up. This project includes the small section of Carmel Street between East Division Street and East Chapin Street.

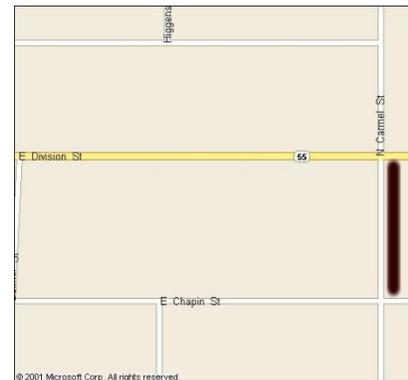
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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

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

Funding Source(s) for this Project:

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



Program Fiscal Year: **2012-2013**
Project Title: **EVART STREET**

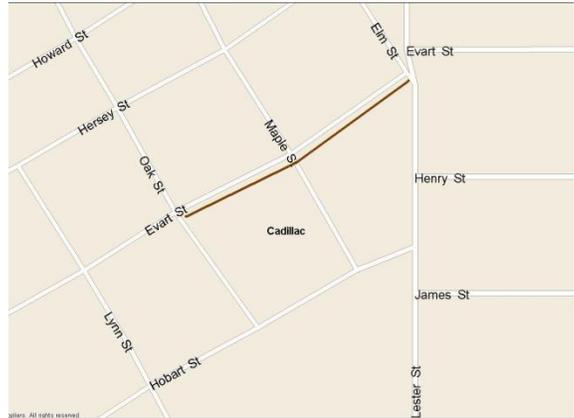
First Year in CIP: 2009
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

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	\$50,000

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **HERSEY STREET**

First Year in CIP: 2003
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 Hersey Street between Cedar Street and Oak Street.

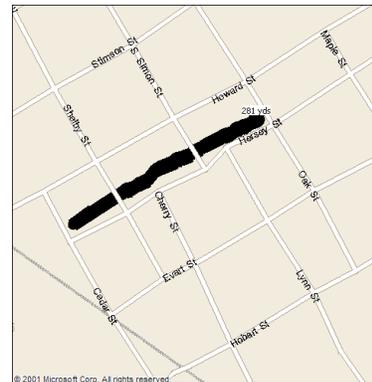
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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



Program Fiscal Year: **2012-2013**
 Project Title: **MITCHELL ALLEY SEWER**

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

Total Project Cost: \$45,000

Project Description: The main interceptor sewer in service since 1917 will be replaced.

Project Justification and/or Need: Project is needed to prevent sewer failure. The existing sanitary sewer line will be replaced with 18" PVC, and will require by-pass pumping. Approximately 400' of sewer line will be replaced at an estimated cost of \$120 per foot.

Project Impact/Benefit: Enhance system efficiency and improve the delivery of utility services.



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	\$45,000
Total	\$45,000

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **SERVICE TRUCK**

First Year in CIP: 2007
Project Category: Equipment Replacement
Department: Water and Wastewater

Total Project Cost: \$25,000

Project Description: The 2000 Dodge pickup used by Distribution and Collection superintendent will be replaced. Vehicle will be replaced with a 4x4 model with topper due to use requirements.

Project Justification and/or Need: The current Distribution and Collection superintendent's truck was originally placed in service in 2000. At this point it 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	\$25,000
Total	\$25,000

Program Fiscal Year: **2012-2013**
 Project Title: **TRACTOR BACKHOE**

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

Total Project Cost: \$60,000

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	\$60,000
Total	\$60,000

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **SEWER VACUUM/JET TRUCK**

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

Total Project Cost: \$220,000

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 10 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: Improve efficiency of sewer maintenance operations.

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	\$220,000
Total	\$220,000

Program Fiscal Year: **2012-2013**

Project Title: **BOERSMA PROPERTY UTILITY EXTENSION**

First Year in CIP: 2010
Project Category: Infrastructure Expansion
Department: Water and Wastewater

Total Project Cost: \$350,000

Project Description: Extend water main into Boersma property east of US-131 bypass.

Project Justification and/or Need: To keep this property in the City, water or sewer must be available by May 6, 2013. If water or sewer is not available by this date, property reverts back to Haring Township at the expiration of the 425 agreement.

Project Impact/Benefit: Protect status of 60-acre developable land as City property.

Operating Fund Impact: Increase minor maintenance costs by an estimated \$500 per year. If service is activated in the area, operating revenue will begin to be received.

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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 Powers Street and Ayer Street.

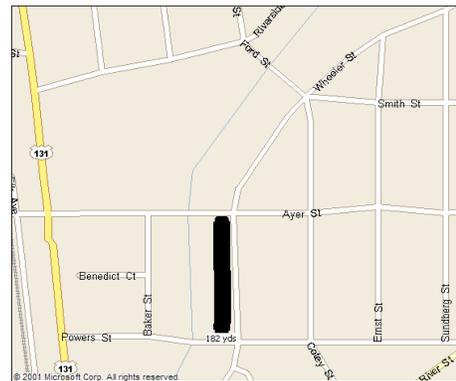
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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

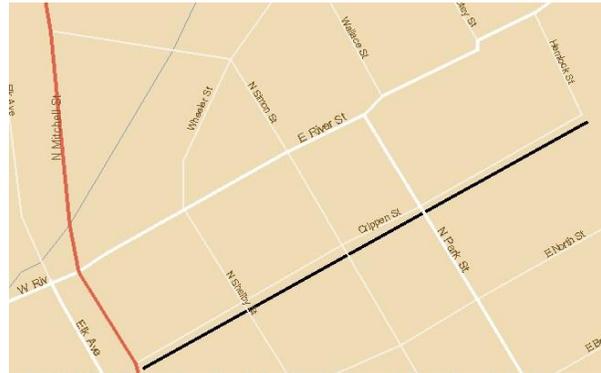


Program Fiscal Year: **2013-2014**
Project Title: **CRIPPEN STREET**

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 2011-2016

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.

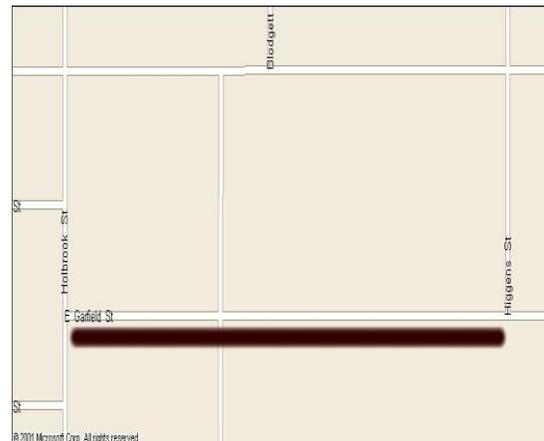
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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: **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 2011-2016

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: \$60,000

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	\$60,000
Total	\$60,000

Program Fiscal Year: **2013-2014**

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 2011-2016

Program Fiscal Year: **2013-2014**

Project Title: **TWO (2) PICKUP 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 12 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: **2014-2015**
 Project Title: **SELMA STREET**

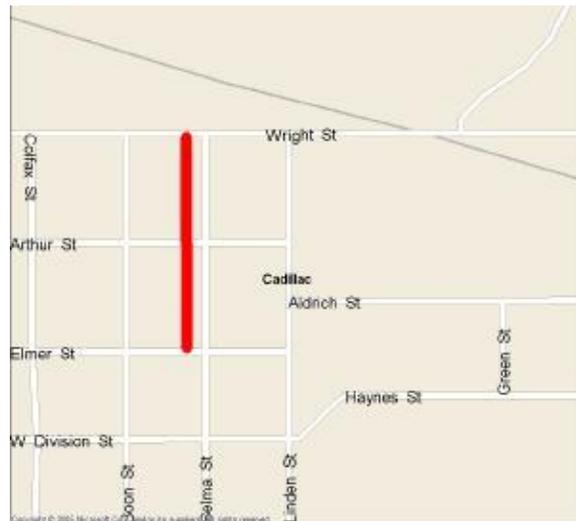
First Year in CIP: 2003
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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.

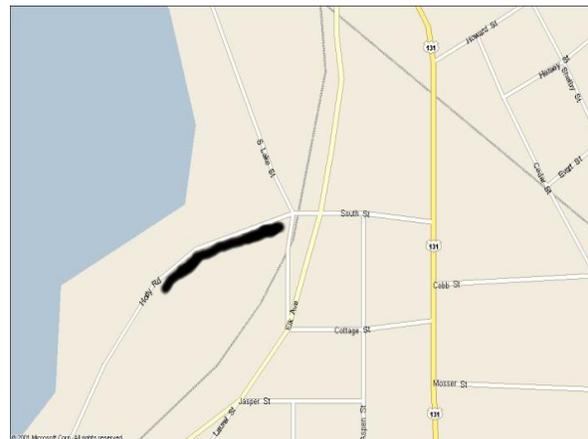
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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



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.

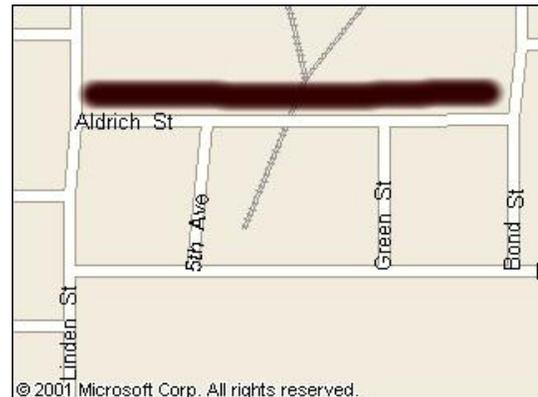
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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



CITY OF CADILLAC

Capital Improvement Program 2011-2016

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	\$10,000

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 2011-2016

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: A 1986 Ford service van 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 vehicle is nearly 30 years old and has far outlived 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	<u>\$20,000</u>

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	<u>\$25,000</u>

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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 2011-2016

Program Fiscal Year: **2014-2015**

Project Title: **BIO-BUILDING ROOF REPAIRS**

First Year in CIP: 2009
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater
Total Project Cost: \$20,000

Project Description: Remove and replace existing roof cover and insulation materials at bio-building at the wastewater treatment facility.

Project Justification and/or Need: Current roof is compromised and deteriorated to the point that patching is no longer a viable solution. The underlying insulation has been wet numerous times and may be a health risk due to mold growth.

Project Impact/Benefit: Eliminates regular, costly roof repairs and long-term maintenance at the building and prevents a catastrophic damage event.

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

Funding Source(s) for this Project:

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

Program Fiscal Year: **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>

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2014-2015**

Project Title: **ULTRAVIOLET DISINFECTION EQUIPMENT**

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

Total Project Cost: \$35,500

Project Description: Replace all lamps, quartz bulbs, and wipers.

Project Justification and/or Need: Replace all UV consumables to restore equipment to maximum capacity and efficiency.

Project Impact/Benefit: Having equipment that is operating at optimum capacity and efficiency helps staff ensure compliance with NPDES permit.

Operating Fund Impact: Higher efficiency will decrease operating costs by an estimated \$1,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$35,500
Total	\$35,500

Program Fiscal Year: **2014-2015**

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 2011-2016

Program Fiscal Year: **2015-2016**

Project Title: **WEST BREMER STREET**

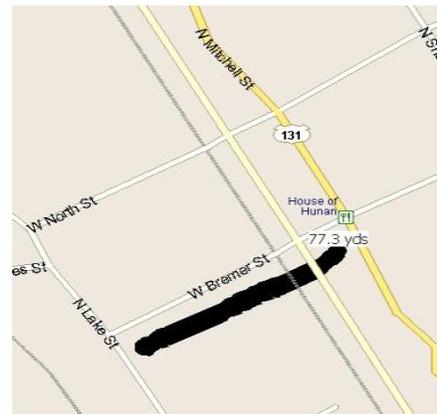
First Year in CIP: 2005
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

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	<u>\$38,000</u>

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

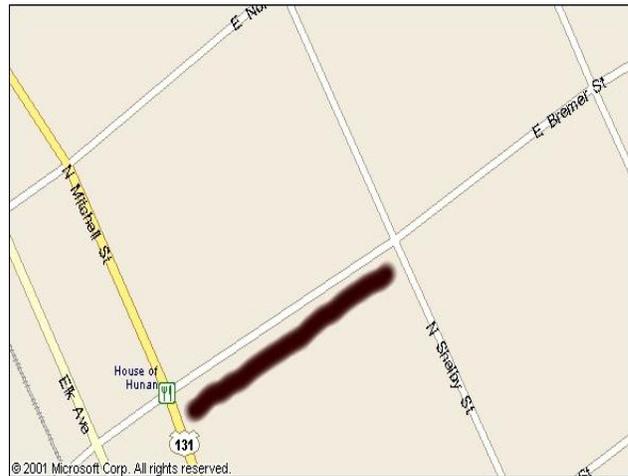
First Year in CIP: 2003
Project Category: Infrastructure Reconstruction
Department: Water and Wastewater

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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.

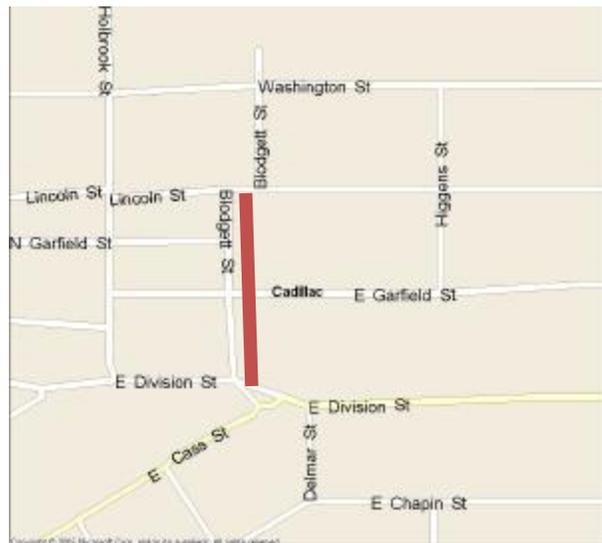
Project Justification and/or Need: This street will be reconstructed this year, and it is prudent to replace underlying utility infrastructure while a street is torn up.

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:

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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: \$7,500

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

Program Fiscal Year: **2015-2016**

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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	\$230,000

Program Fiscal Year: **2015-2016**
 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	<u>\$75,000</u>

CITY OF CADILLAC

Capital Improvement Program 2011-2016

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>

Projects Identified – Stores and Garage

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

Plan Fiscal Year: 2011-2012

UNDERBODY PLOW	8,600
VACUUM STREET SWEEPER	185,000
WHEEL LOADER	110,000
Total for FY 2011-2012	\$303,600

Plan Fiscal Year: 2012-2013

PICKUP TRUCK	19,500
UNDERBODY PLOW	9,000
1-TON DUMP TRUCK	30,000
UNDERBODY PLOW TRUCK	126,000
ONE-WAY PLOW	9,000
Total for FY 2012-2013	\$193,500

Plan Fiscal Year: 2013-2014

PICKUP TRUCK	25,000
UNDERBODY PLOW TRUCK	135,000
UNDERBODY PLOW	9,000
ONE-WAY PLOW	9,400
BOSS TYPE V-PLOW	7,500
RIDING LAWN MOWER	8,500
Total for FY 2013-2014	\$194,400

Plan Fiscal Year: 2014-2015

UNDERBODY PLOW TRUCK	135,000
REGENERATIVE AIR SWEEPER	175,000
Total for FY 2014-2015	\$310,000

Plan Fiscal Year: 2015-2016

UNDERBODY PLOW TRUCK	140,000
1-TON DUMP TRUCK	35,000
DOWNTOWN STREET SWEEPER	25,000
BUCKET TRUCK	150,000
Total for FY 2015-2016	\$350,000

Grand Total for Stores and Garage \$1,351,500

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **UNDERBODY PLOW**

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

Total Project Cost: \$8,600

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	\$8,600
Total	<u>\$8,600</u>

Program Fiscal Year: **2011-2012**
Project Title: **VACUUM STREET SWEEPER**

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

Total Project Cost: \$185,000

Project Description: A new vacuum-type street sweeper will be purchased to replace the current sweeper which will be 12 years old. Purchase price is expected to be \$200,000 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 \$1,500 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$185,000
Total	<u>\$185,000</u>

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **WHEEL LOADER**

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

Total Project Cost: \$110,000

Project Description: Project will replace existing wheel loader that will be ten years old. Purchase price is expected to be \$140,000 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, 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 \$1,000 per year.

Funding Source(s) for this Project:

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

Program Fiscal Year: **2012-2013**
 Project Title: **PICKUP TRUCK**

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

Total Project Cost: \$19,500

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	\$19,500
Total	\$19,500



CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

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: **2012-2013**
Project Title: **1-TON DUMP TRUCK**

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

Total Project Cost: \$30,000

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 \$1,000 per year.

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **UNDERBODY PLOW TRUCK**

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

Total Project Cost: \$126,000

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 \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$126,000
Total	\$126,000

Program Fiscal Year: **2012-2013**
 Project Title: **ONE-WAY PLOW**

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

Total Project Cost: \$9,000

Project Description: A new one-way blade that can be installed and used on a blade truck will be purchased to replace an existing blade.

Project Justification and/or Need: Current one-way blade is 10 years old and is nearing the end of its useful life. The blade is used in the winter to widen driving lanes and handle heavy snow and drifting conditions on city streets.



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

Operating Fund Impact: Reduce minor maintenance costs by \$250 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 2011-2016

Program Fiscal Year: **2013-2014**

Project Title: **PICKUP TRUCK**

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

Total Project Cost: \$25,000

Project Description: Replace four-wheel drive 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: **2013-2014**
Project Title: **UNDERBODY PLOW TRUCK**

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

Total Project Cost: \$135,000

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 \$1,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$135,000
Total	\$135,000

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2013-2014**

Project Title: **UNDERBODY PLOW**

First Year in CIP: 2009
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: **2013-2014**
 Project Title: **ONE-WAY PLOW**

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

Total Project Cost: \$9,400

Project Description: A new one-way blade that can be installed and used on a blade truck will be purchased to replace an existing blade.

Project Justification and/or Need: Current one-way blade is 10 years old and is nearing the end of its useful life. The blade is used in the winter to widen driving lanes and handle heavy snow and drifting conditions on city streets.



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

Operating Fund Impact: Reduce minor maintenance costs by \$250 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$9,400
Total	\$9,400

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2013-2014**

Project Title: **BOSS TYPE V-PLOW**

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

Total Project Cost: \$7,500

Project Description: Replace Snow Way V-Plow that was purchased in 2004.

Project Justification and/or Need: Plow is used for a variety of critical snow removal activities. In 2012 the existing plow will be in its 8th year of use. Costly repairs and down time will become more frequent. Plow will be mounted on 4WD pickup truck also programmed for replacement in 2012-2013.



Project Impact/Benefit: Regular replacement schedule keeps repair costs down and reduces down time that may occur during snow events that would delay snow removal activities.

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

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

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

Total Project Cost: \$8,500

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	\$8,500
Total	\$8,500

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2014-2015**

Project Title: **UNDERBODY PLOW TRUCK**

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

Total Project Cost: \$135,000

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 \$2,000 per year.

Funding Source(s) for this Project:

<u>Funding Source</u>	<u>Amount</u>
Operating Revenues	\$135,000
Total	\$135,000

Program Fiscal Year: **2014-2015**
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 2011-2016

Program Fiscal Year: **2015-2016**

Project Title: **UNDERBODY PLOW TRUCK**

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

Total Project Cost: \$140,000

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 \$2,000 per year.

Funding Source(s) for this Project:

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

Program Fiscal Year: **2015-2016**
Project Title: **1-TON DUMP TRUCK**

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

Total Project Cost: \$35,000

Project Description: Replace essential street maintenance vehicle originally purchased in 2006 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 \$1,000 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 2011-2016

Program Fiscal Year: **2015-2016**

Project Title: **DOWNTOWN STREET 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

Program Fiscal Year: **2015-2016**
 Project Title: **BUCKET TRUCK**

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

Total Project Cost: \$150,000

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	\$150,000
Total	\$150,000

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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: 2011-2012

DATA STORAGE	15,000
PRINTERS	7,500
COMPUTER REPLACEMENT	20,000
NETWORK DATA BACKUP	10,000
NETWORK SERVERS	70,000
IT INFRASTRUCTURE	15,000
Total for FY 2011-2012	\$137,500

Plan Fiscal Year: 2012-2013

COMPUTER REPLACEMENT	20,000
NETWORK DATA BACKUP	7,500
SOFTWARE: APPLICATIONS	15,000
PHONE SYSTEM	50,000
Total for FY 2012-2013	\$92,500

Plan Fiscal Year: 2013-2014

DATA STORAGE	15,000
COMPUTER REPLACEMENT	20,000
SOFTWARE: APPLICATIONS	7,500
Total for FY 2013-2014	\$42,500

Plan Fiscal Year: 2014-2015

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

Plan Fiscal Year: 2015-2016

COMPUTER REPLACEMENT	20,000
NETWORK SERVERS	70,000
Total for FY 2015-2016	\$90,000

Grand Total for Information Technology	\$382,500
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CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **DATA STORAGE**

First Year in CIP: 2007
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$15,000

Project Description: Data storage servers and other storage devices will be upgraded or replaced.

Project Justification and/or Need: As part of the IT Department's data integrity and protection efforts, it is important to regularly update and replace data storage devices. With the addition of GIS data storage, the document management system storage, video archives from the camera systems, and various security issues in the Police Department, stable and secure storage devices are vital.

Project Impact/Benefit: Volumes of information are now stored electronically, which has enable swift data retrieval capabilities and enhanced the integrity of City data.

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	\$15,000
Total	\$15,000



Program Fiscal Year: **2011-2012**
 Project Title: **PRINTER**

First Year in CIP: 2007
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$7,500

Project Description: New laser printer

Project Justification and/or Need: The laser printer used to print the City’s three major financial documents (Annual Operating Budget, Comprehensive Annual Financial Report, Capital Improvement Program) will be over 7 years old and nearing the end of its estimated useful life.

Project Impact/Benefit: Internal production of documents saves the City thousands of dollars each year. A high-speed, high-quality, reliable printer is essential to maintain this ability to save 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	\$7,500
Total	\$7,500

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2006
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: **2011-2012**
 Project Title: **NETWORK DATA BACKUP**

First Year in CIP: 2007
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$10,000

Project Description: Network data backup devices will be replaced on a regular schedule every 3 years.

Project Justification and/or Need: With the volume of data now stored electronically on the City’s IT system, backup of the data is critical to eliminate the risk of complete data loss to a hardware failure. To protect City data, the current IT infrastructure includes both on-site backup devices, and off-site devices to provide for data recovery in the event of a disaster at the Municipal Complex.



Project Impact/Benefit: Stable, secure backup devices provide for the security and integrity of City data, while also providing data retrieval capabilities in the event of hardware failure on the network.

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 2011-2016

Program Fiscal Year: **2011-2012**

Project Title: **NETWORK SERVERS/NOS**

First Year in CIP: 2007
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$70,000

Project Description: The servers that provide the backbone of the City's computer network will all be replaced.

Project Justification and/or Need: The City's robust network requires highly efficient servers to ensure efficiency and to help eliminate down time. The entire communication system within the Municipal Complex, as well as the systems that control tax billing and collection, payroll, utility billing, police and fire case tracking, and many other functions, rely on these servers for availability to end users. Regular upgrade and replacement ensures that the servers will always be in prime operating condition.

Project Impact/Benefit: Efficiency of service delivery to City stakeholders will be maintained, and the risk of network downtime will be mitigated.

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

Funding Source(s) for this Project:

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



Program Fiscal Year: **2011-2012**
Project Title: **IT INFRASTRUCTURE**

First Year in CIP: 2007
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$15,000

Project Description: Replace underlying Information Technology infrastructure, including cabling systems, server rack systems, network switches, and other critical parts of the network.

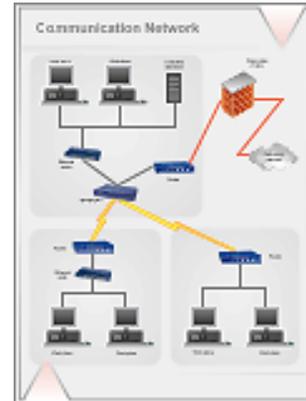
Project Justification and/or Need: With the enormous increase over the last several years in the demands on the IT system, it is critical that the underlying infrastructure on which the network is built keeps up with latest advances in technology.

Project Impact/Benefit: Enhances and ensures network stability.

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

Funding Source(s) for this Project:

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



CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **COMPUTER REPLACEMENT**

First Year in CIP: 2007
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: **2012-2013**
 Project Title: **NETWORK DATA BACKUP**

First Year in CIP: 2008
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$7,500

Project Description: Network data backup devices will be replaced on a regular schedule every 3 years.

Project Justification and/or Need: With the volume of data now stored electronically on the City’s IT system, backup of the data is critical to eliminate the risk of complete data loss to a hardware failure. To protect City data, the current IT infrastructure includes both on-site backup devices, and off-site devices to provide for data recovery in the event of a disaster at the Municipal Complex.



Project Impact/Benefit: Stable, secure backup devices provide for the security and integrity of City data, while also providing data retrieval capabilities in the event of hardware failure on the network.

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	\$7,500
Total	\$7,500

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2012-2013**

Project Title: **SOFTWARE: APPLICATIONS**

First Year in CIP: 2007
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$15,000

Project Description: Advances in technology bring about rapid advances in software capability. Opportunities for efficiency enhancement will be evaluated and purchased as appropriate.

Project Justification and/or Need: A number of software applications provide the engine that drives many city processes. New releases of these software packages when available present additional opportunities to gain efficiencies and therefore a plan to regularly invest in new software and upgrades is prudent.



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

Operating Fund Impact: Eliminate unplanned expenditures of \$500 per year.

Funding Source(s) for this Project:

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

Program Fiscal Year: **2012-2013**
 Project Title: **PHONE SYSTEM**

First Year in CIP: 2010
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$50,000

Project Description: Replace phone system, including the end user hardware, network hardware, and software infrastructure. New technology is available through the use of IP technology to enhance efficiency of operations.



Project Justification and/or Need: Current system will be ten (10) years old at the time of replacement.

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

Operating Fund Impact: Eliminate unplanned expenditures of \$500 per year.

Funding Source(s) for this Project:

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

CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2013-2014**

Project Title: **DATA STORAGE**

First Year in CIP: 2008
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$15,000

Project Description: Data storage servers and other storage devices will be upgraded or replaced.

Project Justification and/or Need: As part of the IT Department's data integrity and protection efforts, it is important to regularly update and replace data storage devices. With the addition of GIS data storage, the document management system storage, video archives from the camera systems, and various security issues in the Police Department, stable and secure storage devices are vital.

Project Impact/Benefit: Volumes of information are now stored electronically, which has enable swift data retrieval capabilities and enhanced the integrity of City data.

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	\$15,000
Total	\$15,000



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



CITY OF CADILLAC

Capital Improvement Program 2011-2016

Program Fiscal Year: **2013-2014**

Project Title: **SOFTWARE: APPLICATIONS**

First Year in CIP: 2008
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$7,500

Project Description: Advances in technology bring about rapid advances in software capability. Opportunities for efficiency enhancement will be evaluated and purchased as appropriate.

Project Justification and/or Need: A number of software applications provide the engine that drives many city processes. New releases of these software packages when available present additional opportunities to gain efficiencies and therefore a plan to regularly invest in new software and upgrades is prudent.



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

Operating Fund Impact: Eliminate unplanned expenditures of \$500 per year.

Funding Source(s) for this Project:

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

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



CITY OF CADILLAC

Capital Improvement Program 2011-2016

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: **2015-2016**
 Project Title: **NETWORK SERVERS/NOS**

First Year in CIP: 2008
Project Category: Equipment Replacement
Department: Information Technology

Total Project Cost: \$70,000

Project Description: The servers that provide the backbone of the City’s computer network will all be replaced.

Project Justification and/or Need: The City’s robust network requires highly efficient servers to ensure efficiency and to help eliminate down time. The entire communication system within the Municipal Complex, as well as the systems that control tax billing and collection, payroll, utility billing, police and fire case tracking, and many other functions, rely on these servers for availability to end users. Regular upgrade and replacement ensures that the servers will always be in prime operating condition.

Project Impact/Benefit: Efficiency of service delivery to City stakeholders will be maintained, and the risk of network downtime will be mitigated.

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

Funding Source(s) for this Project:

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



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Capital Improvement Program
July 1, 2011 - June 30, 2016