



COMPREHENSIVE CAPITAL MAINTENANCE AND REPLACEMENT PLAN

For the perpetual maintenance and replacement
of the City's capital assets





COMPREHENSIVE CAPITAL MAINTENANCE AND REPLACEMENT PLAN

Acknowledgements

Warrenville City Elected Officials

David L. Brummel, Mayor
Emily Larson, City Clerk
Bob Johnson, Treasurer

Aldermen

Stuart Aschauer, Ward 1
Fred Bevier, Ward 1
Bill Weidner, Ward 2
Robert Wilson, Ward 2
Michael Hoffmann, Ward 3
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Clare Barry, Ward 4
Leah Goodman, Ward 4

Warrenville Appointed Officials

John M. Coakley, City Administrator

Senior Staff

Phil Kuchler, Deputy Public Works Director
Kristine Hocking, Senior Civil Engineer
Kevin Dahlstrand, Director of Finance

Capital Maintenance and Replacement Plan Subcommittee

(December 2010 – July 2011)

Alderman Dan Leonard, Chairman
Alderman Stuart Aschauer
Alderman Bill Weidner
Alderman Matthew Wiesbrock
Public Works Superintendent Mike Smith
Senior Civil Engineer Phil Kuchler

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January 23, 2017

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Honorable Mayor and City Council
City of Warrenville
3S258 Manning Avenue
Warrenville, IL 60555

Honorable Mayor and City Council:

The City's Comprehensive Capital Maintenance and Replacement Plan for the ongoing maintenance and replacement of existing City capital asset obligations is herewith transmitted. Capital assets included in this Plan refer specifically to: roadways, vehicles/equipment, storm sewers, street lights, and curb, gutter and sidewalks. The initial Capital Maintenance and Replacement Plan (CMRP) entailed the projected annual expenditures of \$1,975,318. Finally, following updates and adjustments the January 2017 updated new total was approved at \$2,138,929.

The CMRP herein presented, is based upon the assumption of various levels of annual funding of the existing obligations as identified and quantified by the Capital Maintenance and Replacement Plan Committee (CMRPC). The funding levels represent the annual funding necessary to provide for the maintenance of all of the existing annual capital expenditures for each of the groups of City assets. The long-term funding resources as identified are projected to maintain and support the long-term funding of this CMRP.

This Plan is the culmination of several years of work by staff and elected officials. While this first Comprehensive Capital Maintenance and Replacement Plan now complete, it will never be fully completed. This CRMP document, including the capital assets and funding, should be reviewed at least annually by the City Council and adjustments made as required.

Appreciation and acknowledgement goes to Public Works Superintendent Smith, Senior Civil Engineer Kuchler and Director of Finance Dahlstrand, for their substantial contributions to this CRMP, along with the members of the Capital Maintenance and Replacement Plan Committee for the hours of work they dedicated to the review and planning efforts.

Respectfully submitted,

John M. Coakley
City Administrator/Acting Public Works Director

Introduction

The City of Warrenville’s Capital Maintenance and Replacement Plan (CMRP) is a comprehensive plan for the long-term maintenance and replacement of *existing* City capital asset obligations. The CMRP is needed because in order “to provide efficient and effective services, a local government must maintain, repair, and periodically replace or rehabilitate equipment, facilities, and infrastructure.¹” The CMRP is necessary for anticipating and planning for the maintenance of the physical infrastructure and capital assets of the City, which are used to service the residents of the Warrenville, as well as visitors.

Capital improvement includes the maintenance, repair, rehabilitation, or replacement of the City’s existing capital assets, including: roadways, storm sewers, street lights, equipment (in City facilities), vehicles, and curb, gutter and sidewalks. For the purpose of this CMRP, a “capital improvement” is defined as a single capital asset having a value of at least \$10,000 and lasting a minimum of three (3) years for vehicles and equipment and ten (10) years for infrastructure, but there are some exceptions to this minimum level including equipment located within and around City facilities and buildings. Examples of “capital improvements” include: replacement of City vehicles or major maintenance of current City properties and infrastructure.

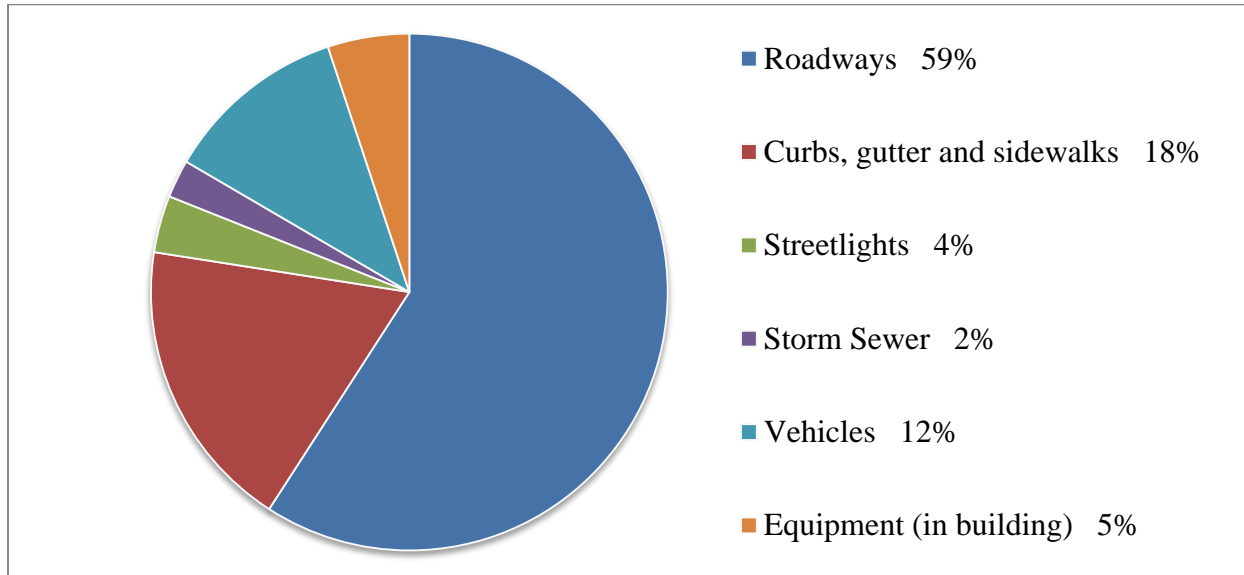
The process for developing a CMRP such as this includes identifying and listing existing capital assets, assigning a lifecycle to each, determining replacement costs, reviewing revenues against costs, and identifying the funding level. The lifecycle or “useful service life” of a capital asset is the amount of time the asset will be in a good enough condition to provide the service it is supposed to before it needs to be replaced. The “funding level” is the amount of money the City needs to put away each year so that when an asset needs to be replaced, the money is available to do so. With the CMRP, the City is annually putting away a proportional amount as determined to be adequate to replace a particular capital asset when that asset reaches its lifecycle.

The City has no long-term general obligation (G.O.) debt, for which the City would issue bonds that would have to be paid off with interest. These bonds would also be guaranteed by a pledge of higher property taxes. The City Council has the goal of maintaining that status of no long-term G.O. debt. Therefore, the City has instituted a “pay-as-you-go” plan. This means that debt is not used for capital projects, *i.e.* the City will not issue bonds to do annual maintenance work. The debt being referred to is at a later date. The City does utilize inter-fund transfers such as money from the Enterprise Fund (water/sewer fund) into the CMRP. Doing this saves on interest. The Plan is designed so that revenue is collected for current annual expenses as well as over time for larger replacements. This is done because infrastructure and equipment maintenance is an ongoing need – not a one-time need.

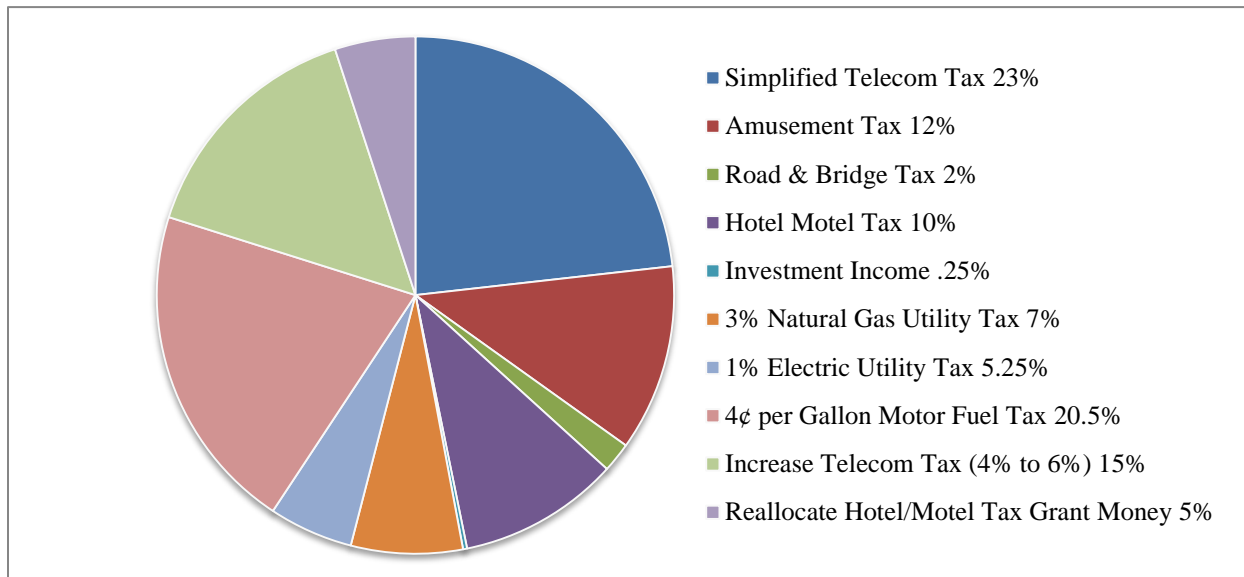
Footnote:

¹ ICMA PRESS - CAPITAL BUDGETING AND FINANCE

This Plan funds existing capital assets. The City’s existing capital assets are primarily made up of roadways, accounting for over half of the Plan’s expenditure demands at 59%.



In order to ensure a stable revenue stream to fund this Plan into the future, the revenue mix must be diverse. This Plan utilizes a mix of revenue streams including utility taxes, hotel/motel tax, gasoline tax and amusement tax, in approximately the following proportions:



The CMRP provides an effective tool for the City to reach long-range capital investment goals that fall within the City’s financial capabilities. The Plan also provides a means of coordinating requests from City departments, in an effort to avoid wasteful overlap, duplication of efforts, and delays in execution of capital maintenance projects. Further, it serves as a tool to coordinate with

other jurisdictions when doing capital maintenance and replacement projects within City limits, such as state or county roadway improvements.

By identifying and quantifying the City's ongoing capital maintenance needs, the elected officials and City staff can make proactive, long-term beneficial budgetary decisions and identify revenue sources for the various demands. The City Council has the ability to revise priorities, change the order of projects or add projects based on the projected budget. Each year, through and in coordination with the annual budget process, the Capital Maintenance and Replacement Program will be reviewed, and revised as necessary. This annual review allows City staff and the City Council to adjust to dynamic economic circumstances, and changes in community priorities and citizen service level demands.

SECTION 1: Capital Assets

Transportation/Drainage/Lighting

The City of Warrenville's transportation system includes 51 miles of roadways, 37 miles of curb and gutter, and 50 miles of sidewalks or bike paths. The streets are classified as arterials, major collectors, neighborhood collectors or residential streets. The system also includes 198 concrete street light poles, 310 traditional new standard street light poles, and 238 Cantera light poles.

The City does not own or maintain any traffic signals. The signals within the City are owned by the Illinois Department of Transportation (IDOT) or the DuPage County Division of Transportation (DuDOT). Where City-owned streets comprise a portion of a signalized intersection, the City is generally a party to an agreement defining the financial responsibilities of the agencies involved.

Roadways

To protect the long-term capital investment of the City's roadways, it is necessary to regularly maintain the streets. Methods of maintenance for asphalt surfaces include: crack sealing, micro-surfacing, pavement patching, and structural overlays. In cases of severe deterioration, total reconstruction of the pavement is necessary. In order to minimize costs of replacing streets, in 2000, the City Council approved a 15-year resurfacing cycle for the Warrenville roadway system. The goal was to have every mile of roadway in the City receive a maintenance treatment over the course of 15 years.

Public Works and engineering staff regularly monitors and evaluates the condition of all components of the roadway system to ensure that the lifecycle estimates are correct and to determine if the roadway needs maintenance at the time this Plan targets. This approach allows staff to update the maintenance plans of the roadway system each year. The useful life assumption for this category is 15 years and the annual funding level is 100%. The

costs outlined in the schedule include construction costs as well as engineering design and construction services (see schedule in Appendix A).

Curbs, Gutters and Sidewalks

The City's roadways and drainage are a mixture of urban and rural cross-sections. Improvements continue to be made to the transportation system, transforming rural roadway cross-sections with ditches into urban cross-sections with curb, gutter, and storm sewer. The City has a significant amount of curb, gutter, and sidewalks that were originally installed in the 1970's and are due for replacement. This Plan designates a 40-year useful life assumption for this group of City assets funded at 100% (see schedule in Appendix B).

Pedestrian and Bicycle Paths/Lanes

Pedestrian and bicycle use is enhanced and encouraged through the development of pathway/bike lane projects. These projects help alleviate traffic congestion, air pollution and contribute to a sense of community by providing an alternate mode of transportation. The City has developed a Bikeway Implementation Plan that has identified opportunities to enhance and add to the extensive City system and provides for connections to DuPage County and Forest Preserve District trails.

Most paths that transverse the City are owned and maintained by other agencies or private property owners. Existing paths that are maintained by the City have a 40-year lifecycle and have been incorporated into the curb, gutter, and sidewalk costs noted above (see schedule in Appendix B).

Storm Sewer System

The City's storm sewer system plays a vital role in the transportation system by draining storm water from the public right-of-ways, and that which is conveyed from and private and public properties. The system removes the water from the roadways and alleviates flooding of flood-prone areas. The transportation system includes 30 miles of storm sewers.

Given the longer life of this group of City assets, funding of the long-term annual maintenance is preferable to funding the longer-term replacement of this extended life infrastructure system. The useful life assumption for this category is 100 years and the funding level is 20% (see schedule in Appendix C).

Street Lights

Street lights are an important component of the City's transportation system, lighting the right-of-way for the safety of vehicular, bicycle and pedestrian traffic. The City utilizes three different types of light poles. The concrete street light poles have a replacement cost of \$2,000 and a 30-year lifecycle. The decorative, "antique" street light poles have a replacement cost of \$1,500 and a 20-year lifecycle. The Cantera light poles have a

replacement cost of \$5,000 and a 35-year lifecycle. While the useful life assumptions are based on the type of light pole, the funding level is consistent at 100% (see schedule in Appendix D).

Bridges

Due to the long lifecycle of these assets and the likelihood of securing grant funding, this Plan does not include the replacement of the two bridges that are owned and maintained by the City (Williams Road and Mack Road). This Plan articulates a policy that any asset with a lifecycle of over 70 years is not funded at 100%. Some assets are funded partially to account for the usage by today's generation and others are not funded at all, with the responsibility of that replacement on the future generation.

City Vehicles and Equipment

Administrative

Administrative vehicles are utilized by the departments located in City Hall to travel for City business such as meetings, seminars or conferences as well as to conduct property maintenance/code enforcement and building inspection activities. The less intensive use of these vehicles provides for a longer service life and the opportunity to utilize retired vehicles from the Police Department. The City vehicles utilized by the Finance, Community Development and Administration departments have been inventoried and assigned lifecycles and replacement costs. These lifecycles and replacement costs vary depending on the type of vehicle and its use.

Police Department

The various City vehicles utilized by the Police Department have been assigned lifecycles and replacement costs have been determined. These lifecycles and replacement costs vary depending on the type of vehicle and its use. Squad cars have a high intensity use requiring higher rates of speed, maneuverability, 24/7 operation and exposure to extreme weather conditions. These vehicles, which are used primarily for patrol duties, are scheduled to be replaced no earlier than 90,000 miles or three years, whichever is later. Tactical units, which are unmarked cars used by the Problem Oriented Policing (POP) undercover unit, and investigative vehicles, used by the detectives, have been programmed with an eight-year useful service life. Vehicles assigned to primary police support duties include the Community Service Officer and the Animal Control Officer vehicles as well as those that serve administrative purposes, including those assigned to the Police Chief, Deputy Chiefs, and Detective Sergeant, have been programmed with a minimum useful service life of ten years.

Upon reaching the end of the programmed useful service life for a given vehicle, the vehicle will be evaluated by the City Mechanic in conjunction with the Police Department

command staff. The purpose of this evaluation is to determine if the vehicle scheduled for replacement needs to be replaced or if it is in good enough condition to remain in service for an extended period of time. This evaluation process applies to all groups of Police Department vehicles. While the useful life assumptions are based on the type of vehicle, the funding level is consistent at 100% (see schedule in Appendix E).

Public Works

The heavy duty vehicles used in the Public Works Department include commercial vehicles that must be driven in all weather conditions and on all types of terrain. The various City vehicles and equipment utilized by Public Works have been assigned lifecycles and replacement costs have been determined. While the useful life assumptions are based on the type of vehicle, the funding level is consistent at 100% (see schedule in Appendix E).

EMA

Emergency Management Agency (EMA) vehicles are generally repurposed vehicles, which were previously utilized by other City departments. Therefore, these vehicles are not included in the replacement schedules of the CMRP.

City Facilities – Building, Grounds, and Building Equipment

Cerny Park Hudetz Pavilion and Ramadas

Cerny Park, located along Forestview Drive South between River Road and Warren Avenue, is a 6.3 acre City Park. Located within Cerny Park is the John Hudetz Pavilion, constructed over several years from the 1970's through the 1990's. The posts of the shelter were constructed in the 1970's. In 1999, the Pavilion was enhanced with the addition of bathrooms, a storage area and mechanicals. The useful life of this facility has been programmed at 75 years with a funding level of 100% (see schedule in Appendix F). *Note the playground equipment is included with the “Building Contents (Equipment)” category.*

Albright Studio

In 1981, the City acquired the former Methodist church that also once served as a studio and gallery for artist Adam Emory Albright, among other things. After an extensive renovation, a portion of the studio became home to the Warrentville historical museum. In 2001, the entire building was made available to the Historical Society for use as the museum. Located at 3S530 Second Street, the building is provided to the Historical Society under a perpetual lease. The City is responsible for utilities (except phone), alarm services, cleaning of the restrooms, building structural maintenance/upgrades and insurance coverage. The useful life of this facility has been programmed at 50 years with a funding level of 100% (see schedule in Appendix F).

Gazebo

In June 1989, the City received the Gazebo, technically located in Albright Park, as a gift from the Warrenville Chapter of the Kiwanis Clubs of America. Albright Park encompasses the City Hall Stafford Place parking lot and the grassy area between the Gazebo and the Illinois Prairie Path. In conjunction with acceptance of the Gazebo, the City Council approved a rental policy for public use. The Gazebo is maintained by the City and includes stone and concrete walkways on either side, wooden benches on the interior, a cement floor and shingled roof. The useful life of this facility has been programmed at 75 years with a funding level of 100% (see schedule in Appendix F).

Building Contents (Equipment) and Exterior Hard Surfaces

Building contents (i.e. mechanicals and equipment) and associated hard surfaces (i.e. parking lots, walkways and driveways) are a large group of varying City assets, which are component parts of the various City buildings and facilities. This group of assets includes, but is not limited to: building roofs, HVAC equipment, Cerny Park playground equipment, generators, and flooring. This equipment has been assigned a useful life based on the use of function of the equipment with an annual funding level of 100% (see schedule in Appendix F).

Municipal Buildings

Due to the long lifecycle of these assets, this Plan does not include the replacement of municipal buildings (City Hall, Police Station and Public Works Facility). This Plan articulates a policy that any asset with a lifecycle of over 70 years, such as these buildings, is not funded at 100%. These buildings are not funded at all, with the responsibility of that replacement on the future generation.

SECTION 2: Capital Maintenance and Replacement Program Policies

Upgrades, New Additions, Large Changes to the CMRP

New capital additions (including all capital assets such as infrastructure and equipment) will only be added into the CMRP after all of the following conditions are met: 1) the new capital addition is approved by the City Council, 2) a funding source is identified and quantified for the initial cost of the new addition, and 3) a *sustainable* funding source is identified and quantified for the on-going maintenance of the new infrastructure or equipment. An example of a new addition is streets and related infrastructure installed by developers with the expectation of transferring the long-term maintenance responsibility to the City. Pavement and infrastructure associated with new developments in the City are typically designed and constructed per City Code and specifications. City staff reviews the plans during the permit process; and performs inspections during construction to verify they are being constructed per the approved plans.

When existing infrastructure, such as a private roadway, is proposed to be conveyed to the City, staff will conduct a detailed physical analysis of the pavement or infrastructure. Based on the analysis, staff will develop a recommendation on whether or not the City should accept ownership and maintenance of the infrastructure and include any conditions associated with the recommendation.

Maintenance and Replacement

After a funding source is identified for the initial purchase or installation, a sustainable funding source must be identified for the on-going yearly maintenance costs attributable to the newly proposed asset. The useful life and funding level assumptions for the category (i.e. roadways) of asset must be established by the City Council.

Newly Dedicated Streets and Related Infrastructure

Newly dedicated streets and related infrastructure are to be incorporated into the existing CMRP. It may be necessary to conduct a detailed physical analysis of the new street or infrastructure to determine the remaining useful lifecycle of the asset. But in general, the useful life and funding levels assumptions for the class of asset is to be applied as indicated later in this document. A physical analysis will not be required if the asset is newly constructed and the City was involved in the oversight of the installation.

Funding Levels

The percentage of the funding level for a specific category of capital asset was determined by the length of its assigned lifecycle of these assets and the likelihood of securing grant funding. Assets of 40 years or less are funded at 100%. Any asset with a lifecycle of over 70 years is not funded at 100% - with some such assets funded partially to account for the usage by today’s generation and others are not funded at all, with the responsibility of that replacement on the future generation. The funding levels are listed below:

Lifecycle	Percent Funding in CMRP
up to 39 years	100%
40 years	100%
70 + years	Variable – see below
• Municipal buildings	0%
• City-owned bridges	0%
• Storm Sewer System	20%

SECTION 3: Financial/Funding Sources

Dedicated Revenues

Amusement Tax

The City of Warrenville Amusement Tax is a locally administered 5% tax on all persons operating amusements within the corporate limits of the City, and upon all persons operating places of amusement or amusement facilities (City Code 3-12-2). A “locally administered tax” is a tax imposed by a unit of local government that is collected or administered by a unit of local government and not an agency or Department of the State.

Forty percent of this revenue source is allocated to the General Fund, and is generally used for non-capital expenditures. The General Fund provides funding for all of the City's general programs and day-to-day operations, which includes all personnel related expenses for the employees who provide the City services. The remaining 60%, is allocated to the CMRP, and is a funding source for the acquisition of capital equipment and the replacement of capital infrastructure. Initial estimates at the time of the CMRP adoption anticipated that this revenue source would yield annual revenue of \$225,802.

Simplified Telecommunications Tax

The City of Warrenville Simplified Telecommunications Tax is a tax for the act or privilege of originating or receiving telecommunications in the City. Effective July 1, 2012, the rate of this tax was increased to the maximum 6% (adopted in March 2012) allowable by state statute. One hundred percent of the rate increase was dedicated to the funding of the CMRP. Initial estimates at the time of the CMRP adoption anticipated that this revenue source would yield annual revenue of \$673,615.

Effective with City Fiscal Year 2017, this revenue source is dedicated 100% to the CMRP, to aid in funding the maintenance and replacement of capital assets.

Road and Bridge Property Tax

The City of Warrenville Road and Bridge tax is a component of property tax revenue, and is utilized to provide support funding for the road and bridge work component of the CMRP. A total of \$37,000 is transferred annually to the CMRP for the funding of road and bridge improvement projects.

Electric Utility Tax

The Electric Utility tax is a use tax, with users charged on a per kilowatt-hour (kWh) basis. Since the tax is based on per kWh, the revenue that is generated is related to the amount electricity used and not to the electricity rate. For comparison purposes with other communities, the rate approximates a 1% tax. One-hundred percent of the revenue the City

derives from this revenue source is dedicated to the funding of the CMRP. Initial estimates at the time of the CMRP adoption anticipated that this revenue source would yield annual revenue of \$104,600.

Natural Gas Utility Tax

The Natural Gas Utility Tax is a use tax levied at a rate of 3% on delivery costs and natural gas costs. One-hundred percent of the revenue the City derives from this source is dedicated to the funding of the CMRP. Initial estimates at the time of the CMRP adoption anticipated that this revenue source would yield annual revenue of \$138,675.

Local Motor Fuel Tax

The City of Warrenville Local Motor Fuel or gasoline tax is a use tax currently levied at a rate of 4¢ per gallon of gasoline purchased within the City of Warrenville. One-hundred percent of the revenue the City derives from this source is dedicated to the funding of the CMRP. Initial estimates at the time of the CMRP adoption anticipated that this revenue source would yield annual revenue of \$409,116.

City Hotel Motel Fund Tax Revenue

Under state statute 65 ILCS 5/8-3-14, Hotel Motel Tax revenue must, “be expended by the municipality solely to promote tourism and conventions within that municipality or otherwise to attract non-resident overnight visitors to the municipality.” However, with the passage of Home Rule in 2004, the City is able to use this revenue as needed, such as funding capital projects and equipment. Council annually decides how much of the Hotel Motel tax revenue is transferred over to the CMRP above the set \$300,000.

Grant Opportunities

The City of Warrenville pursues Federal, State and other grant opportunities for applicable capital projects whenever possible. This includes grant funding that is 100% funding, or where a local share (cost sharing) component is required. The City must compete with other agencies for the limited amount of state and federal funds available. Allocation of these funds generally takes years, though there have been occasions where more immediate funding was made available for “shovel-ready” projects. The City will be proactive in the planning and engineering of projects, so design is developed enough to take advantage of grant funding opportunities.

Other Sources of Funding

Tax Increment Financing (TIF)

Tax Increment Financing (TIF) funding is provided for capital improvement projects located within the specific, or contiguous, tax increment financing district. Tax Increment

Financing is a local economic development tool, created by the state, giving municipalities the authority to designate areas of the community as TIF Districts for the purpose of eradicating deteriorated conditions and to undertake redevelopment, rehabilitation, and conservation measures within the District. Council policy for the existing TIF District has been to utilize TIF funds to upgrade infrastructure including roadways, curbs, gutters and sidewalks.

Generally speaking, the available TIF revenue is the incremental property tax revenue received above the base, or frozen, equalized assessed valuation of the property located within the TIF District at the time of the District's formation. TIF revenue is limited to use for projects located within the given TIF District boundaries. Meaning, TIF dollars can only be used for projects in the TIF District.

Seized Assets/Forfeiture Revenue

Seized/forfeiture of asset proceeds includes property that was allegedly used to facilitate crime, for example cars allegedly used to transport illegal narcotics. The proceeds from these seized assets are required to be utilized for drug enforcement efforts. The City maintains a separate fund to account for the proceeds the City receives as a result of law enforcement activities. The City uses this fund to purchase a single vehicle utilized for enforcement efforts. This vehicle is replaced only through the use of this fund and not through any other existing City fund or funding source. Therefore, the vehicle has not been included in this Plan, except as a note on the Police Department vehicle schedule (Appendix E- Schedule PDV).

SECTION 4: Annual Process for Review Capital Maintenance and Replacement Plan

Annually, in conjunction with preparation of the operating budget, the CMRP will be reviewed, revised and updated to include the most recent anticipated expenditures for that coming fiscal year, and any adjustments to the long-term annual maintenance costs for existing infrastructure. Annually, capital expenditures average between 50% and 55%, of all city-wide expenditures. The City of Warrenville has a standard practice of “pay-as-you-go” financing to cover the cost of capital expenditures. The annual review is necessary to ensure that revenue meets obligations.

SECTION 5: Glossary

Capital improvements: the maintenance, repair, rehabilitation, or replacement of the City's existing capital assets, including roadways, storm sewers, street lights, equipment (in City facilities), vehicles, and curb, gutter and sidewalks.

Lifecycle or useful service life: the amount of time the capital asset will be in a good enough condition to provide the service it is supposed to before it needs to be replaced.

Funding level: the amount of money the City needs to put away each year so that when an asset needs to be replaced, the money is available to do so.

Capital asset: a single capital asset having a value of at least \$10,000 and lasting a minimum of three years for vehicles and building equipment and ten years for infrastructure, with some exceptions.

SECTION 6: Appendices A-F - Asset Listings and Replacement Schedules

Appendix A – Roadways and Storm Sewer - Schedule “RSS”

Appendix B – Street Lights – Schedule “SL”

Appendix C – Curbs, Gutters and Sidewalks- Schedule “CGS”

Appendix D – Public Works Vehicles and Equipment – Schedule “PWV”

Appendix E – Police Department Vehicles - Schedule “PDV”

Appendix F – Building Contents (Equipment) and Exterior Hard Surfaces- Schedule “BE”

Appendix G – Miscellaneous Streetscape and Decorative-Schedule “MSD”

**Estimated Capital Maintenance Expenditures
Roadways, Street Lights, Storm Sewer
Updated: 01/2017**

Road Projects

	<u>Road Cost</u>	<u>Engineering</u>	<u>Yearly Average Replacement Cost</u>
Totals	\$ 15,431,445	\$ 2,314,717	
15 Year - Yearly Average Cost	\$ 1,028,763	\$ 154,314	\$ 1,183,077
Yearly Average Maintenance Cost		(Citywide Patching)	50,000
		SUB-TOTAL ROAD PROJECTS	\$ 1,233,077
Street Lights			\$ 73,000
Storm Sewer		(20% Funding Level)	\$ 47,955

**Total yearly average costs to CMRP of Roadways, Street Lights
and Storm Sewers \$ 1,354,032**

Fiscal Year	Road Cost	Engineering	General Maintenance	Curb & Gutter	Sidewalk	Total calendar year cost
2018	\$ 907,412	\$ 136,112	\$ 70,000	\$ 382,750	\$ -	\$ 1,496,274
2019	829,154	124,373	70,000	-	-	1,023,527
2020	621,390	93,209	70,000	228,125	268,225	1,280,949
2021	815,694	122,354	70,000	-	-	1,008,048
2022	246,440	36,966	70,000	-	-	353,406
Original Totals	\$ 3,420,090	\$ 513,014	\$ 350,000	\$ 228,125	\$ 268,225	\$ 5,162,204

City Roadways - Detail
Resurface Costs - Updated 01/2017

Estimated Cost Per Square Yard = \$22

Street Segment	From	To	Sq. Yards Per Segment	Cost Per Segment
Albert Einstein Drive			1,354	\$ 29,788
Adam Albright Street off Landon Drive	Cul de Sac	Landon Drive	1,760	38,720
Alley and Parking for Museum			549	12,078
Angeline Court	Continental Drive	Cul de Sac	1,150	25,300
Arbury Court	Cul de Sac	Sanchez Drive	1,033	22,726
Arlington Court	Cul de Sac	Sanchez Drive	1,307	28,754
Arthur Compton Court			933	20,526
Ascot Lane	Mack Road	Kensington Drive	1,601	35,222
Attleboro Court	Continental Drive	Cul de Sac	897	19,734
Aurora Way	Landon Drive	Warrenville Road	2,492	54,824
Avon Court	Cul de Sac	Avon Drive	930	20,460
Avon Drive	Huntington Drive	Mack Road	4,548	100,056
Avondale Court	Cul de Sac	Sanchez Drive	1,147	25,234
Barkley Avenue	Sunset Drive	Illinois Route 56	6,376	140,272
Batavia Road	Fermilab	Illinois Route 59	9,133	200,926
Batavia Road	Illinois Route 59	Illinois Route 56	20,200	444,400
Batavia Road	Illinois Route 56	Warrenville Road	10,880	239,360
Bayview Court			1,073	23,606
Bedford Court	Cul de Sac	Bedford Lane	686	15,092
Bedford Lane	Continental Drive	Continental Drive	3,949	86,878
Behrs Circle East, West, South			4,676	102,872
Bella Vista Parkway	Ferry Road	Mill Street	9,900	217,800
Birchwood Drive	Butternut Lane	Whiteoak Drive	5,132	112,904
Blackthorne Lane			2,035	44,770
Branch Avenue	Continental Drive	Illinois Route 59	6,970	153,340
Briarwood Drive	Butternut Lane	White Oak Drive	3,501	77,022
Briggs Avenue			2,400	52,800
Brighton Court	Cul de Sac	Continental Drive	759	16,698
Bristol Lane			1,524	33,528
Brookside Court			802	17,644
Buckthorn Court			1,010	22,220
Bulger Court			3,200	70,400

**City Roadways - Detail
Resurface Costs - Updated 01/2017**

Burk Avenue	Rogers Avenue	Townline Road	1,437	31,614
Burk Avenue	Warrenville Road	Dead End	4,324	95,128
Butternut Lane			1,976	43,472
Calumet Avenue	Talbot Avenue	Barkley Avenue	4,232	93,104
Calumet Avenue	Cul de Sac	Rockwell Street	6,000	132,000
Candlewood Lane			2,954	64,988
Carpenter Court			1,120	24,640
Cedar Court			948	20,856
Central Avenue	Haylett Avenue	West Avenue	5,800	127,600
Cerny Circle			825	18,150
Cerny Road			872	19,184
Chase Court			2,293	50,446
Cherice Drive			1,410	31,020
Chestnut Court			465	10,230
Concord Court	Continental Drive	Cul de Sac	977	21,494
Connector Road	Winfield Road	Weaver Parkway	2,480	54,560
Continental Drive	Batavia Road	Illinois Route 59	20,660	454,520
Continental Drive	Mack Road	Batavia Road	11,438	251,636
Cottonwood Court			689	15,158
Country Ridge Drive			5,430	119,460
Crabtree Lane	Twin Pine Drive	Briarwood Drive	1,237	27,214
Curtis Avenue	Warrenville Road	Ferry Road	10,730	236,060
Curtis Avenue	Warren Avenue	Warrenville Road	3,460	76,120
Cynthia Court			1,710	37,620
Cynthia Drive			4,530	99,660
Danbury Drive			1,258	27,676
Dedham Court	Continental Drive	Cul de Sac	1,164	25,608
Deerfield Lane			1,452	31,944
Dogwood Court			689	15,158
Dorchester Court	Cul de Sac	Continental Drive	723	15,906
Elizabeth Avenue	Galusha Avenue	Warrenville Road	2,933	64,526
Elmwood Court	Cul de Sac	Sanchez Drive	1,182	26,004
Emerald Green Drive			10,794	237,468
Enrico Fermi Court			1,833	40,326
Essex Lane	Huntington Drive	Kensington Drive	3,495	76,890

**City Roadways - Detail
Resurface Costs - Updated 01/2017**

Estes Street				3,900	85,800
Everett Court	Cul de Sac	Branch Avenue		1,085	23,870
Fairfax Court				339	7,458
Forest Lane				2,410	53,020
Forestview North				5,800	127,600
Forestview Drive South	Dead End	River Road		6,322	139,084
Forestview Drive South	Parking along Cerny Park			1,279	28,138
Fourth Street	Batavia Road	Warrenville Road		3,395	74,690
Fowler Circle				3,520	77,440
Foxboro Court	Continental Drive	Cul de Sac		1,733	38,126
Frontage Road	Dead End	Barkley Avenue		6,064	133,408
Galbreath Drive				3,470	76,340
Galusha Avenue	Winfield Road	Herrick Road		12,910	284,020
Gates Place	Warren Avenue	Batavia Road		1,510	33,220
Glen Drive North				2,044	44,968
Glen Drive South				4,982	109,604
Glenhurst Court	Cul de Sac	Sanchez Drive		1,319	29,018
Green Brook Court	Cul de Sac	Sanchez Drive		1,563	34,386
Greenbriar Lane				1,098	24,156
Greenview Avenue	Winfield Road	Virginia Avenue		3,809	83,798
Grove Lane				4,200	92,400
Hampton Drive				1,333	29,326
Harvard Drive				1,972	43,384
Harvest Court				1,127	24,794
Hawthorne Lane				2,960	65,120
Haylett Avenue	Galusha Avenue	Central Avenue		1,644	36,168
Haylett Avenue north of Galusha				2,112	46,464
Heather Court				1,230	27,060
Herrick Hills Court	Cul de Sac	Herrick Road		871	19,162
Holyoke Court	Cul de Sac	Continental Drive		1,020	22,440
Home Avenue	Meadow Avenue	City Limits		950	20,900
Huntington Drive	Manchester Lane	Avon Drive		2,506	55,132
Huntington Drive	Avon Drive	Cul de Sac		2,205	48,510
Hurlingham Court				840	18,480
Hurlingham Drive				2,580	56,760

**City Roadways - Detail
Resurface Costs - Updated 01/2017**

Iroquois Court North, South & West				5,194	571,340
Ivan Albright of 59				2,500	55,000
Jackson Street	Fourth Street	Dead End		525	11,550
Jefferson Street	Second Street	Winfield Road		1,249	27,478
John Bardeen Drive				830	18,260
Juniper Court				871	19,162
Kensington Drive				3,386	74,492
Kline Circle				2,213	48,686
Lakeview Court				1,435	31,570
Lakeview Drive	Barkley Avenue	Continental Drive		5,262	115,764
Landon Drive	Aurora Way	Townline Road		4,550	100,100
Laurel Court				1,200	26,400
Leominster Court	Cul de Sac	Continental Drive		1,319	29,018
Lexington Court	Cul de Sac	Branch Avenue		1,197	26,334
Linden Sq				907	19,954
Lindenwood Drive				1,200	26,400
Lorraine Avenue	Galusha Avenue	Warrenville Road		3,289	72,358
Lynn Court	Branch Avenue	Cul de Sac		990	21,780
Mack Road	Manchester Lane	Illinois Route 59		9,376	206,272
Mack Road	Illinois Route 59	West Branch DuPage River		2,000	44,000
Main Street	Rockwell Street	Batavia Road		7,950	174,900
Main Street	Mignin Drive	Rockwell Street		1,244	27,368
Main Street	Second Street	Winfield Road		1,411	31,042
Main Street	W. Dead End	Second Street		371	8,162
Malvin Albright Street				1,394	30,668
Manchester Lane	Huntington Drive	Mack Road		2,290	50,380
Manning Avenue	Batavia Road	Warren Avenue		793	17,446
Manning Avenue (and in front of City Hall)	Warren Avenue	Mount Street		2,013	44,286
Manning Avenue	Mount Street	Ray Street		933	20,526
Manning Avenue	Ray Street	Warrenville Road		2,163	47,586
Maple Court				1,040	22,880
Maplewood Court				622	13,684
Maplewood Drive				1,858	40,876
Marie Curie Lane				1,470	32,340

**City Roadways - Detail
Resurface Costs - Updated 01/2017**

Mayfair Court			1,314	28,908
McCormick Lane			1,786	39,292
Meadow Avenue	Illinois Route 59	Home Avenue	1,964	43,208
Melcher Avenue	Galusha Avenue	Warrenville Road	4,111	90,442
Mignin Drive	Main Street	Warrenville Road	2,000	44,000
Mignin Drive South			4,800	105,600
Millard Circle			1,389	30,558
Mount Street			440	9,680
Mulberry Court			1,100	24,200
Needham Court			3,200	70,400
Oakwood Court			1,200	26,400
Old City Hall Parking lot			1,933	42,526
Oxford Drive			1,546	34,012
Parking along Stafford Place			977	21,494
Parking on Batavia Road	Tracy Place	Manning Ave	711	15,642
Parking on Mignin Drive - Soccer field - VFW			231	5,082
Parking on Riverview Drive			158	3,476
Parking on Rockwell Street - VFW Field			250	5,500
Parking on Tracy Place and Warren Avenue			712	15,664
Parkview Avenue	Haylett Avenue	Virginia Avenue	2,574	56,628
Patterman Road	Dead End	Prairie Avenue	827	18,194
Patterman Road	Prairie Avenue	Frontage Road	2,134	46,948
Penny Lane			8,400	184,800
Pierre Curie Drive			1,601	35,222
Plum Court			472	10,384
Police Dept. - rear parking area			1,447	31,834
Prairie Avenue	City Limits	Patterman Road	711	15,642
Prairie Avenue	Illinois Route 59	City Limits	755	16,610
Princeton Court			448	9,856
Public Works Garage Parking - rear lot			1,454	31,988
Ray Street	Rockwell Street	Curtis Avenue	3,067	67,474
Redwood Court			933	20,526

City Roadways - Detail
Resurface Costs - Updated 01/2017

Ridge Drive				2,377	52,294
Ridgewood Court				790	17,380
River Oaks Drive				6,620	145,640
Riverside Avenue	Branch Avenue	Batavia Road		6,038	132,836
Riverside Parkway				1,689	37,158
Riverview Drive				2,012	44,264
Rockwell Street	Batavia Road	Calumet Avenue		2,100	46,200
Rockwell Street	Illinois Route 56	Ray Street		1,992	43,824
Rockwell Street	Ray Street	Main Street		1,280	28,160
Rockwell Street	Main Street	Warrenville Road		1,888	41,536
Rogers Avenue	Burk Avenue	River Road		6,919	152,218
Roxbury Court	Cul de Sac	Branch Avenue		1,085	23,870
Saddle Ridge Court				6,665	146,630
Salem Court	Cul de Sac	Branch Avenue		606	13,332
Sanchez Drive	Branch Avenue	Batavia Road		6,242	137,324
Second Street	Main Street	Jefferson Street		2,199	48,378
Second Street	Jefferson Street	Warrenville Road		2,030	44,660
Seraph Holmes				1,606	35,332
Shaw Drive				4,359	95,898
Sipla Drive	Manning Avenue	Tracy Place		964	21,208
Sheffield Lane				1,423	31,306
Small Tree Court				810	17,820
Sova Lane				2,390	52,580
Spruce Court				778	17,116
Stafford Place	Rockwell Street	Dead End		3,480	76,560
Steadman Avenue				978	21,516
Stevens Court				1,877	41,294
Sunset Court				1,007	22,154
Sunset Drive				3,646	80,212
Talbot Avenue	Frontage Road	Sunset Park		6,234	137,148
Tanglewood Lane				2,177	47,894
Thornwood Lane				1,299	28,578
Timber Drive (Warrenville Lakes Subdivision)	Batavia Road	Grove Lane		4,200	92,400
Timber Drive (Timber Creek)	Home Avenue	Grove Lane		4,044	88,968

**City Roadways - Detail
Resurface Costs - Updated 01/2017**

Tinker Avenue	Galusha Avenue	Central Avenue	1,733	38,133
Torch Parkway			4,020	88,440
Townline Road	Burk Avenue	River Road	6,639	146,058
Townline Road	Point Oak Drive	Landon Drive	1,736	38,192
Tracy Place			1,227	26,994
Twin Pines Drive	Greenbriar Lane	Illinois Route 56	4,291	94,402
Virginia Avenue	Galusha Avenue	Warrenville Road	3,244	71,368
Virginia Avenue north of Galusha			1,772	38,984
Wagner Court	Wagner Drive	Cul de Sac	2,200	48,400
Wagner Drive	Burk Avenue	Curtis Avenue	2,970	65,340
Wagner Drive	Mignin Drive	Burk Avenue	950	20,900
Waltham Court	Cul de Sac	Branch Avenue	1,085	23,870
Warren Avenue	Stafford Place	Tracy Place	2,733	60,126
Warren Avenue	Tracy Place	Warrenville Road	4,644	102,168
Warren Avenue	Warrenville Road	Forestview Drive South	6,419	141,218
Warren Avenue	Forestview Drive South	South Dead End]	1,217	26,774
Warren Avenue	Parking along Cerny Park		678	14,916
Waverly Avenue	Sanchez Drive	Dead End	333	7,326
Waverly Avenue	Riverside Avenue	Illinois Route 59	1,387	30,514
Weaver Pkwy			24,950	548,900
Wembly Drive			3,050	67,100
West Avenue	Cul de Sac	Warrenville Road	1,479	32,538
West Street	Galusha Avenue	Dead End	3,200	70,400
Westbury Court			1,545	33,990
White Oak Drive	Blackthorne Lane	Briarwood Drive	2,842	62,524
Whitehall Court			920	20,240
Wilbur Road	Galusha Avenue	Warrenville Road	3,733	82,126
Wildwood Court			934	20,548
Williams Road	City Limits	Iroquois Court South	1,710	37,620
Williams Road	Iroquois Court South	Batavia Road	3,621	79,662
Williams Road	Batavia Road	Illinois Route 56	6,244	137,368
Willow Court			722	15,884
Willow Lane			4,356	95,832
Winchester Circle			5,650	124,300

**City Roadways - Detail
Resurface Costs - Updated 01/2017**

Wood Court			980	21,560
Woodland Road	Curtis Avenue	River Road	2,300	50,600
Woodlawn Avenue	Curtis Avenue	Warren Avenue	1,837	40,414
Youghal Road	Talbot Avenue	Barkley Avenue	4,279	94,138
TOTAL VALUE				\$ 15,431,445

Street Light Capital Costs

Description	No Lights	Replacement Cost	Total Replacement Cost	Years Service	Year Cost
New Standard light	344	\$ 1,500	\$ 516,000	20	\$ 25,800
Concrete poles	198	2,000	396,000	30	13,200
Cantera Poles	238	5,000	1,190,000	35	34,000
	<u>780</u>		<u>\$ 2,102,000</u>		
				Yearly Average Cost	<u>\$73,000</u>

Curb, Gutter and Sidewalk

Curb & Gutter Removal = \$6.50 per linear Ft.
 Curb & Gutter Placement = \$13.00 per linear Ft.
 Total Cost per linear Ft. for Curb & Gutter Replacement = \$ 19.50

Sidewalk Removal = \$3.00 per square Ft.
 Sidewalk Placement = \$4.00 per square Ft.
 Total Cost per square Ft. for sidewalk replacement = \$ 7.00

Street	From	To	Length of Roadway Linear Ft.	Curb Length	Curb Cost	Sidewalk Length	Sidewalk Width	Sidewalk Sq. Ft	Sidewalk Cost
North Side Summerlakes									
Arbury Court			340	680	\$ 13,260	680	4	2,720	\$ 19,040
Arlington Court			440	880	\$ 17,160	880	4	3,520	\$ 24,640
Attleboro Court			300	600	\$ 11,700	600	4	2,400	\$ 16,800
Avondale Court			380	760	\$ 14,820	760	4	3,040	\$ 21,280
Bedford Court			200	400	\$ 7,800	400	4	1,600	\$ 11,200
Bedford Lane	Continental	Continental	1,240	2,480	\$ 48,360	2,480	4	9,920	\$ 69,440
Branch Avenue	Continental	Rt. 59	2,240	4,480	\$ 87,360	4,480	4	17,920	\$ 125,440
Brighton Court			240	480	\$ 9,360	480	4	1,920	\$ 13,440
Concord Court			320	640	\$ 12,480	640	4	2,560	\$ 17,920
Continental Drive	Batavia	Mack	2,780	5,560	\$ 108,420	5,560	4	22,240	\$ 155,680
Dedham Court			400	800	\$ 15,600	800	4	3,200	\$ 22,400
Dorchester Court			240	480	\$ 9,360	480	4	1,920	\$ 13,440
Elmwood Court			400	800	\$ 15,600	800	4	3,200	\$ 22,400
Everett Court			360	720	\$ 14,040	720	4	2,880	\$ 20,160
Foxboro Court			600	1,200	\$ 23,400	1,200	4	4,800	\$ 33,600
Glenhurst Court			440	880	\$ 17,160	880	4	3,520	\$ 24,640
Greenbrook Court			530	1,060	\$ 20,670	1,060	4	4,240	\$ 29,680
Holyoke Court			340	680	\$ 13,260	680	4	2,720	\$ 19,040
Leominster Court			450	900	\$ 17,550	900	4	3,600	\$ 25,200
Lexington Court			400	800	\$ 15,600	800	4	3,200	\$ 22,400
Lynn Court			340	680	\$ 13,260	680	4	2,720	\$ 19,040
Roxbury Court			360	720	\$ 14,040	720	4	2,880	\$ 20,160
Salem Court			190	380	\$ 7,410	380	4	1,520	\$ 10,640
Sanchez Drive	Batavia	Branch	2,190	4,380	\$ 85,410	4,380	4	17,520	\$ 122,640
Waltham Court			360	720	\$ 14,040	720	4	2,880	\$ 20,160

Curb, Gutter and Sidewalk

Appendix C - Schedule CGS

Street	From	To	Length of Roadway Linear Ft.	Curb Length	Curb Cost	Sidewalk Length	Sidewalk Width	Sidewalk Sq. Ft	Sidewalk Cost
Middle Summerlakes									
Angeline Court			359	718	\$ 14,001	718	4	2,872	\$ 20,104
Buckthorn Court			400	800	\$ 15,600	0		0	\$ -
Cherice Drive	Cynthia	Batavia	515	1,030	\$ 20,085	1,030	4	4,120	\$ 28,840
Continental Drive	Batavia Rd	Rt. 59	4,770	9,540	\$ 186,030	7,540	4	30,160	\$ 211,120
Cottonwood Court			310	620	\$ 12,090	0		0	\$ -
Cynthia Court			576	1,152	\$ 22,464	1,152	4	4,608	\$ 32,256
Cynthia Drive	Continental	Continental	1,569	3,138	\$ 61,191	3,138	4	12,552	\$ 87,864
Danbury			350	700	\$ 13,650	700	4	2,800	\$ 19,600
Dogwood Court			310	620	\$ 12,090	0		0	\$ -
Galbreath	Sova	Hurlingham	1,063	2,126	\$ 41,457	2,126	4	8,504	\$ 59,528
Hampton Drive			605	1,210	\$ 23,595	1,210	4	4,840	\$ 33,880
Harvard Drive			710	1,420	\$ 27,690	1,420	4	5,680	\$ 39,760
Heather Court			398	796	\$ 15,522	796	4	3,184	\$ 22,288
Hurlingham	Shaw	Sova	822	1,644	\$ 32,058	1,644	4	6,576	\$ 46,032
Hurlingham Court			196	392	\$ 7,644	392	4	1,568	\$ 10,976
Lindenwood Court			340	680	\$ 13,260	0		0	\$ -
Lindenwood Drive			340	680	\$ 13,260	680	4	2,720	\$ 19,040
Maple Court			324	648	\$ 12,636	648	4	2,592	\$ 18,144
Maplewood Court			280	560	\$ 10,920	0		0	\$ -
Maplewood Drive			730	1,460	\$ 28,470	146	4	584	\$ 4,088
Mulberry Court			400	800	\$ 15,600	0		0	\$ -
Oakwood Court			290	580	\$ 11,310	0		0	\$ -
Ridgewood Court			236	472	\$ 9,204	472	4	1,888	\$ 13,216
Shaw Drive	Continental	Batavia	1,450	2,900	\$ 56,550	2,900	4	11,600	\$ 81,200
Small Tree Court			244	488	\$ 9,516	488	4	1,952	\$ 13,664
Sova lane	Batavia Rd	Dead end	539	1,078	\$ 21,021	1,078	4	4,312	\$ 30,184
Stevens Court			400	800	\$ 15,600	0		0	\$ -
Wembly Drive			1,100	2,200	\$ 42,900	2,200	4	8,800	\$ 61,600
Whitehall Court			286	572	\$ 11,154	572	4	2,288	\$ 16,016
Wildwood Court			420	840	\$ 16,380	0		0	\$ -
Wood Court			400	800	\$ 15,600	0		0	\$ -

Curb, Gutter and Sidewalk

Street	From	To	Length of Roadway Linear Ft.	Curb Length	Curb Cost	Sidewalk Length	Sidewalk Width	Sidewalk Sq. Ft	Sidewalk Cost
South Summerlakes									
Barkley Avenue	Sunset Drive	Lakeview	1,100	2,200	\$ 42,900	1,700	4	6,800	\$ 47,600
Bayview Court			320	679	\$ 13,241	640	4	2,560	\$ 17,920
Brookside Court			210	494	\$ 9,633	420	4	1,680	\$ 11,760
Harvest Court			360	730	\$ 14,235	720	4	2,880	\$ 20,160
Lakeview Court			440	943	\$ 18,389	880	4	3,520	\$ 24,640
Lakeview Drive	Continental	Barkley Ave.	1,930	3,422	\$ 66,729	3,860	4	15,440	\$ 108,080
Sunset Court			290	629	\$ 12,266	580	4	2,320	\$ 16,240
Sunset Drive	Lakeview	Barkley Ave.	1,220	2,273	\$ 44,324	2,240	4	8,960	\$ 62,720
Winchester									
			2,200	4,400	\$ 85,800	4,400	4	17,600	\$ 123,200
Fox Hollow									
Ascot Lane			536	1,072	\$ 20,904	1,072	4	4,288	\$ 30,016
Avon Court			211	422	\$ 8,229	422	4	1,688	\$ 11,816
Avon Drive			918	1,836	\$ 35,802	1,836	4	7,344	\$ 51,408
Bristol Lane			547	1,094	\$ 21,333	1,094	4	4,376	\$ 30,632
Deerfield Lane			519	1,038	\$ 20,241	1,038	4	4,152	\$ 29,064
Essex	Deerfield	Huntington	1,235	2,470	\$ 48,165	2,470	4	9,880	\$ 69,160
Huntington Drive			1,491	2,982	\$ 58,149	2,982	4	11,928	\$ 83,496
Kensington	Ascot	Deerfield	1,059	2,118	\$ 41,301	2,118	4	8,472	\$ 59,304
Maek Road	Rt.59	Manchester	2,215	4,430	\$ 86,385	4,430	4	17,720	\$ 124,040
Manchester Lane			782	1,564	\$ 30,498	1,564	4	6,256	\$ 43,792
Oxford			516	1,032	\$ 20,124	1,032	4	4,128	\$ 28,896
Sheffield			501	1,002	\$ 19,539	1,002	4	4,008	\$ 28,056
Industrial Park									
Calumet	Barkley	Talbot	1,398	2,796	\$ 54,522	1,280	4	5,120	\$ 35,840
Frontage Road	Calumet	Dead end	1,726	1,720	\$ 33,540	0		0	\$ -
Talbot	Frontage	Calumet	1,424	2,848	\$ 55,536	0		0	\$ -
Yongal	Calumet	Talbot	1,398	2,796	\$ 54,522	0		0	\$ -
Iroquois Court									
				3,335	\$ 65,033			0	\$ -

Curb, Gutter and Sidewalk

Street	From	To	Length of Roadway Linear Ft.	Curb Length	Curb Cost	Sidewalk Length	Sidewalk Width	Sidewalk Sq. Ft	Sidewalk Cost
Maple Hill									
Cedar Court			302	604	\$ 11,778	604	4	2,416	\$ 16,912
Fairfax Court			100	200	\$ 3,900	200	4	800	\$ 5,600
Juniper Court			287	574	\$ 11,193	574	4	2,296	\$ 16,072
Laural Court			373	746	\$ 14,547	746	4	2,984	\$ 20,888
Mayfair Court			500	1,000	\$ 19,500	1,000	4	4,000	\$ 28,000
Penny Lane			2,700	5,400	\$ 105,300	5,400	4	21,600	\$ 151,200
Plum Court			167	334	\$ 6,513	334	4	1,336	\$ 9,352
Princeton Court			146	292	\$ 5,694	292	4	1,168	\$ 8,176
Redwood Court			276	552	\$ 10,764	552	4	2,208	\$ 15,456
Spruce Court			243	486	\$ 9,477	486	4	1,944	\$ 13,608
Willow Court			200	400	\$ 7,800	500	4	2,000	\$ 14,000
Willow Lane			1,400	2,800	\$ 54,600	2,800	4	11,200	\$ 78,400

River Oaks Sub.									
Cerny Circle			630	1,260	\$ 24,570	1,260	5	6,300	\$ 44,100
Cerny Road			410	820	\$ 15,990	0		0	\$ -
Country Ridge Drive			1,552	3,104	\$ 60,528	983	4	3,932	\$ 27,524
Ridge Drive			600	1,200	\$ 23,400	1,220	4	4,880	\$ 34,160
River Oaks Drive			1,980	3,960	\$ 77,220	1,960	4	7,840	\$ 54,880

Emerald Green Subdivision									
Albert Einstein			530	1,060	\$ 20,670	0		0	\$ -
Author Compton			420	840	\$ 16,380	0		0	\$ -
Emerald Green Drive	Batavia	Circle	770	1,540	\$ 30,030	770	4	3,080	\$ 21,560
Emerald Green Drive	Entire	Circle	2,400	4,800	\$ 93,600	0		0	\$ -
Enrico Fermi			660	1,320	\$ 25,740	0		0	\$ -
John Bardeen			320	640	\$ 12,480	0		0	\$ -
Marie Curie			630	1,260	\$ 24,570	0		0	\$ -
Pierre Currie			655	1,310	\$ 25,545	0		0	\$ -
Seraph Homes Court			325	850	\$ 16,575	650	4	2,600	\$ 18,200
Westbury Court			309	919	\$ 17,921	618	4	2,472	\$ 17,304

Curb, Gutter and Sidewalk

Appendix C - Schedule CGS

Street	From	To	Length of Roadway Linear Ft.	Curb Length	Curb Cost	Sidewalk Length	Sidewalk Width	Sidewalk Sq. Ft	Sidewalk Cost
Warrenville Lakes									
Grove Lane			1,460	2,920	\$ 56,940	1,460	4	5,840	\$ 40,880
Timber Lane	Batavia	Timber Creek	1,200	2,400	\$ 46,800	2,400	4	9,600	\$ 67,200
Timber Creek Sub.									
Meadow Avenue	Rt59	Home	639	1,278	\$ 24,921	639	4	2,556	\$ 17,892
Timber Lane	Grove	Meadow	1,300	2,600	\$ 50,700	2,600	4	10,400	\$ 72,800
Edgebrook/Thornwild Sub.									
Birchwood			1,697	3,394	\$ 66,183	3,394	4	13,576	\$ 95,032
Blackthorn			731	1,462	\$ 28,509	1,462	4	5,848	\$ 40,936
Briarwood			1,192	2,384	\$ 46,488	2,050	4	8,200	\$ 57,400
Butternut			747	1,494	\$ 29,133	1,494	4	5,976	\$ 41,832
Candlewood			1,022	2,044	\$ 39,858	2,044	4	8,176	\$ 57,232
Chestnut			189	378	\$ 7,371	0		0	\$ -
Crabtree			510	1,020	\$ 19,890	510	4	2,040	\$ 14,280
Greenbriar			452	904	\$ 17,628	904	4	3,616	\$ 25,312
Hawthorne			1,070	2,140	\$ 41,730	2,140	4	8,560	\$ 59,920
Tanglewood			881	1,762	\$ 34,359	1,762	4	7,048	\$ 49,336
Thornwood			488	976	\$ 19,032	0		0	\$ -
Twin Pines			1,063	2,126	\$ 41,457	1,020	4	4,080	\$ 28,560
White Oak			1,038	2,076	\$ 40,482	1,200	4	4,800	\$ 33,600
Batavia Road	Warrenville	Rt. 56	3,710	7,420	\$ 144,690	3,710	5	18,550	\$ 129,850
Batavia Road	Rt. 56	Rt. 59		2,245	\$ 43,778	590	5	2,950	\$ 20,650
Batavia Road	Rt. 59	Fermilab		1,300	\$ 25,350	405	5	2,025	\$ 14,175
Batavia Road Bike	Rt56	Fermilab		0	\$ -	9,215	8	73,720	\$ 516,040
Bella Vista			900	1,800	\$ 35,100	900	5	4,500	\$ 31,500
Bulger Court			400	800	\$ 15,600	800	5	4,000	\$ 28,000
Burk Avenue	Warrenville	Rodgers	1,521	3,042	\$ 59,319	1,521	4	6,084	\$ 42,588
Cantera Village			3,007	6,014	\$ 117,273	3,007	5	15,035	\$ 105,245
Chase Court			341	682	\$ 13,299	682	5	3,410	\$ 23,870
Connector Road			547	1,094	\$ 21,333	1,094	5	5,470	\$ 38,290
Curtis Avenue	Warrenville	Warren	1,420	2,840	\$ 55,380	1,420	5	7,100	\$ 49,700
Curtis Avenue	Ferry Road	Warrenville	4,230	0	\$ -	4,230	4	16,920	\$ 118,440
Fourth Street	Warrenville	Batavia	1,400	2,800	\$ 54,600	1,400	5	7,000	\$ 49,000
Galusha Avenue	Winfield	Herrick		1,500	\$ 29,250	5,315	5	26,575	\$ 186,025

Curb, Gutter and Sidewalk

Appendix C - Schedule CGS

Street	From	To	Length of Roadway Linear Ft.	Curb Length	Curb Cost	Sidewalk Length	Sidewalk Width	Sidewalk Sq. Ft	Sidewalk Cost
Gates Place	Warren	Batavia	565	1,130	\$ 22,035	565	5	2,825	\$ 19,775
Herrick Court			100	200	\$ 3,900	200	5	1,000	\$ 7,000
Herrick Hills Court	Cul de Sac	Herrick Road		422	\$ 8,229	335	5	1,675	\$ 11,725
Jackson Street	Fourth	Fire District	215	430	\$ 8,385	215	5	1,075	\$ 7,525
Main Street	Mignin	Batavia	3,700	7,400	\$ 144,300	3,700	5	18,500	\$ 129,500
Manning Avenue	Ray	Batavia	1,115	2,230	\$ 43,485	600	5	3,000	\$ 21,000
Manning Avenue	Main	Ray	405	810	\$ 15,795	405	5	2,025	\$ 14,175
Manning Avenue	Warrenville	Main	475	950	\$ 18,525	475	5	2,375	\$ 16,625
Mignin Avenue	Rt 56	Warrenville	900	1,800	\$ 35,100	700	5	3,500	\$ 24,500
Needham Court			480	960	\$ 18,720	960	5	4,800	\$ 33,600
Riverside Parkway				65	\$ 1,268	0			
Rockwell Street	Rt56	Warrenville	1,295	2,590	\$ 50,505	1,440	5	7,200	\$ 50,400
Saddle Ridge Court			2,303	4,606	\$ 89,817	4,606	5	23,030	\$ 161,210
Second Street	Main	Jefferson		1,429	\$ 27,866				
Second Street	Jefferson	Warrenville		962	\$ 18,759	405	7	2,835	\$ 19,845
Sipla Drive	Manning	Tracy		812	\$ 15,834	0	0	0	\$ -
Police Rear Parking Lot	Sipla			814	\$ 15,873	0	0	0	\$ -
Stafford Place	Batavia	Rockwell	1,300	2,600	\$ 50,700	1,625	5	8,125	\$ 56,875
Torch Parkway			926	1,852	\$ 36,114	1,852	5	9,260	\$ 64,820
Tracy Place	Warren	Batavia	460	920	\$ 17,940	920	5	4,600	\$ 32,200
Wagner Court			207	414	\$ 8,073	414	4	1,656	\$ 11,592
Wagner Drive	Curtis	Burk	971	1,942	\$ 37,869	1,942	4	7,768	\$ 54,376
Warren Avenue	Stafford	Warrenville	2,330	4,660	\$ 90,870	2,870	5	14,350	\$ 100,450
Warrenville Road	Mignin	Sesqui Park		0	\$ -	960	8	7,680	\$ 53,760
Warrenville Road	Rt56	Batavia	315	630	\$ 12,285	4,900	4	19,600	\$ 137,200
Warrenville Road	Bike Path			0	\$ -	530	10	5,300	\$ 37,100
Weaver Parkway			4,476	8,952	\$ 174,564	0	0	0	\$ -
West Avenue	Warrenville	Dead end	387	774	\$ 15,093	387	5	1,935	\$ 13,545
Williams Road	Batavia	Iroquois Ct S		1,960	\$ 38,220	1,167	5	5,835	\$ 40,845
Williams Road	Iroquois Ct S	N. City Limits			\$ -	596	5	2,980	\$ 20,860
Woodlawn	Curtis	Warren Ave.		0	\$ -			0	\$ -
TOTALS				277,429	\$5,409,866	213,480		945,600	\$6,619,200

Life Span - in Years **40** (a)/40 \$135,247 (b)/40 \$165,480

Average per year Depreciated Cost **\$300,727** (c) + (d)

Catch-up as of 2011 **\$90,000** (e) (added in June 2011) by CIPC

TOTAL Curb, Gutter, & Sidewalk \$390,727 Updated 01/2017

Public Works Capital Assets Replacement Schedule

Street Division

Make	Model	Flt #	VIN/ Serial	FY OF PURCHASE	Original Cost	Replacement Cost	FY OF REPLACEMENT	Service Years	Avg Yearly Cost
Ford	Explorer	60	1FMZU72K74ZB04923	2004	\$21,510	26,620	2019	15	1,775
Ford	Transit Van (M205792)	95	1FTYR1CMCGKA75141	2016	\$ 25,943	30,000	2031	15	2,000
Ford	Ranger	101	1FLTR4FE6BPA78290	2012	18,631	\$ 20,494	2027	15	\$ 1,366
Sterling	Actera Dump Truck Snow Plow	102	2FZHCHDC46AW29564	2006	126,687	135,000	2021	15	9,000
Sterling	L.T7501 Dump Snow Plow	104	F2AAATBS599AAG6065	2009	103,000	113,000	2024	15	7,533
International	7400 - 6x4	105	1HTWHAZTODH303313	2013	133,161	139,819	2028	15	9,321
Ford	LCS - 1 Ton Dump	106	3FRML55Z48Y683968	2008	33,155	40,000	2023	15	2,667
International	7400 6x4	107	3HAWDS7R9GL432891	2016	96,771	106,448	2031	15	7,097
Ford	F-350 Pickup 2X2	108	1FTWF30538EC06613	2008	18,453	23,000	2020	12	1,917
Freightliner	FL 80 Dump	109	1FY6JLBB8YHB49462	2000	84,000	113,000	2015	15	7,533
Sterling	Actera M8500 Dump Snow Plow	110	2FZAANAK22AJ81837	2001	89,000	113,000	2016	15	7,533
Ford	F-350	112	1FT8W3B6XGED0232	2017	35,509	35,509	2032	15	2,367
Nissan	UD3300 Street Sweeper	114	JNAPC81LO9AD75011	2009	218,696	220,000	2024	15	14,667
Ford	F 550 Flat Bed	123	1FDADF56FF31ED32560	2001	48,000	52,000	2016	15	3,467
Sterling	Actera Dump Snow Plow	124	2FZACHAK03AL64117	2002	94,000	113,000	2017	15	7,533
Sterling	M8500 Chipper Truck	126	2FZACGAK84AM60377	2003	72,000	113,000	2023	20	5,650
Ford	F-350 Pickup 4X4 Plow	127	1FTSF31P34ED81615	2004	27,000	30,000	2016	12	2,500
Sterling	Actera - Bucket Truck	128	2FZACHDC76AW29978	2005	90,000	100,000	2020	15	6,667

Equipment

Make	Model	Origin	VIN/ Serial	FY OF PURCHASE	Original Cost	Replacement Cost	FY OF REPLACEMENT	Service Years	Avg Yearly Cost
Morbark	Chipper	301	4AYS21511 PW0012694	2006	33,400	\$ 33,400	2021	15	\$ 2,227
John Deere	544c Loader	302	DW544C B503438	1985	75,000				
Bobcat	Skid steer	304	A3L911741	2008	28,000	30,000	2018	10	3,000
Ford	4x4 Mowing (Compact Tractor)	305	1V4720HH770931	1990	32,000	40,000	2010	20	2,000
Bobcat	Backhoe	306	512913317	1996	28,000	45,000	2013	17	2,647
Bobcat	Skid steer	307	512216056	1997	18,000				
Cat	Roller	308	21400121	2006	25,000	27,000	2031	25	1,080
Atlas	Air compressor	309	HOL601413	1992	9,500	12,000	2017	25	480

Appendix D - Schedule PWY

Make	Model	Origin	VIN/ Serial	FY OF PURCHASE	Original Cost	Replacement Cost	FY OF REPLACEMENT	Service Years	Avg Yearly Cost
Kubota	Mower-60" RCK60-278B	310	50528	2003	14,000	20,000	2023	20	1,000
Husqvarna	Street saw	311	1263160001	2009	\$ 11,000	11,000	2029	20	550
Hustler	Mower Zero Turn (Super Z)	312	6071906	2006	7,300	7,500	2018	12	625
Komatsu	PC78US -6NO Backhoe Excavator	314	4D95LE-3-A/8705	2007	77,000	79,000	2022	15	5,267
Hot Patch	Patch cart	316	N-188-97	1998		11,000	2018	20	550
Textron (Bobcat)	Mower Zero Turn (Model 942213)	317	94221300305	1999	6,000	7,500			
John Deere	Gator	318	W0064x036257	2001	7,399	8,000	2016	15	533
John Deere	544 h Loader	319	DWT154HS73944	1999	108,000	160,000	2018	19	8,421
New Holland	Skid steer	320	A3P211282	2000		37,000	2010	10	3,700
Scag	Mower Zero Turn	322	9660835	2005	7,000	7,500	2017	12	625
Croncite	Trailer - Bobcat Trailer	401	473362821G1000203	1996	6,000	6,000	2016	20	300
Big Tex	Saw / Water Tank Trailer	402	16VNX122982C24445	2009	4,000	4,000	2029	20	200
Towmaster	Roller Utility Tilt Trailer	403	KNTT16224L163490	2006	7,500	7,500	2026	20	375
Eagr Beaver	20 Ton Excavator Trailer	404	11H9Y3236L072078	2003	12,000	12,000	2023	20	600
Doolittle	Mower Utility Trailer	407	IDGRS1427YM0836393	2000	5,000	5,300	2020	20	265
United	Events Trailer	408	48B500M22Y104182	2002		8,000	2027	25	320

Total Replacement Cost 2016 Dollars

\$ 2,146,590

Yearly Cost \$138,291

Police Vehicle Replacement Schedule

Updated - 01/2017

Appendix E - Schedule PDV

Make	Model	Assigned to	Revised Unit #	VIN #	Plate #	Fiscal Year Acquired	Current Replacement Cost	In-Service Life Cycle	Calculated Yearly Cost	Anticipated Fiscal Year of Replacement
Ford	Explorer	Chief	200	1FM5K8B89HGB08374	H730518	2017	26,495	10	2,650	2027
Ford	Fusion	Det Sergeant	201	1FM5K8B80HGB08375	H730517	2017	27,155	10	2,716	2027
Ford	Taurus *	DC of Operations	202	1FAHP23W69G121152	H730516	2009	26,620	10	2,662	2019
Ford	Taurus *	DC of Inv & Adm	204	1FAHP2MK3EG124189	Q554149	2014	26,620	10	2,662	2024
Ford	Taurus *	Investigations	207	1FAHP23W69G113682	X45 4105	2010	26,620	8	3,328	2018
Ford	Explorer	Investigations	208	1FMEU73E48UB24721	G831722	2009	26,620	3	8,025	2018
Ford	Explorer	Patrol	210	1FM5K8AR7FGB25889	MP5850	2015	26,620	3	8,873	2019
Ford	Taurus *	Patrol	211	1FAHP2MKXEG124187	MP 5851	2014	26,620	3	8,873	2018
Ford	Explorer	Patrol	212	1FM5K8AR1GGB13335	MP 5852	2016	26,620	3	8,873	2019
Ford	Explorer	Patrol	213	1FM5K8AR3FGB25890	MP 5848	2015	26,620	3	8,873	2019
Ford	Expedition	Patrol	214	1FMFU165X8LA51129	MP 4254	2008	26,620	3	8,873	2018
Ford	Expedition	Patrol	215	1FMJU1G54CEF57108	MP 8783	2012	26,620	3	8,873	2019
Ford	Taurus *	Patrol	216	1FAHP2MK8EG124186	MP 5849	2014	26,620	3	8,873	2018
Ford	Explorer	Patrol	217	1FM5K8AR7FGB25892	MP 5103	2015	26,620	5	5,324	2019
Ford	Taurus *	Patrol	218	1FAHP2MK1EG124188	MP 5102	2014	26,620	3	8,873	2019
Ford	Explorer	Patrol	219	1FM5K8AR5FGB25891	MP 5698	2015	25,564	3	8,521	2020
Ford	Explorer	Patrol/CSO	221	1FMEU7DE0AUA81127	MP 6620	2011	26,075	8	3,259	2021
Ford	F-150 (Pick-up)	Support	222	1FTRX14W38KC87096	MP 4178	2017	27,807	8	3,476	2025
Average Annual Replacement Cost										113,609

NOT A PART OF THE CIP - To Be Replaced Only with Seized Assets Funding

Ford	Explorer	Tactical Officers (POP)	205	1FM5K8AR6EGA70673	L712820	2014	27,388	8	3,424	2022
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* Ford Taurus vehicles to be replaced with Ford Explorers comparable vehicle

BUILDING EQUIPMENT VALUE REPORT

Appendix F - Schedule BE

Asset ID	Master Asset	Asset Type	Group	Description	Budget ID	Model	Serial#	Service Years	Purchase Date	Purchase Cost	Calculated Yearly Cost
AC - 01		HVAC	CITY HALL	COMPUTER RM	OPERATIONS	CL2432A	25623	18	10/07/01	2,500	139
AC-02		HVAC	POLICE DEPT	COMPUTER RM	OPERATIONS	CL2472		20	10/10/07	2,500	125
BUILD-04		STRUCTURAL	CITY MUSEUM	HISTORICAL MUSEUM	OPERATIONS			50	01/01/83	290,000	5,800
BUILD-05		STRUCTURAL	HUDETZ PAVILLION	JOHN HUDETZ PAVILLION	OPERATIONS			75	06/01/99	72,947	973
BUILD-06		STRUCTURAL	PUBLIC WORKS	SALT SHED	OPERATIONS			75	10/21/97	150,000	2,000
BUILD-07		STRUCTURAL	GAZEBO	GAZEBO	OPERATIONS			75	06/15/89	25,000	333
CARPET-01	BUILD-01	FLOORING	CITY HALL	CITY HALL CARPET	OPERATIONS			15	10/07/01	24,000	1,600
CARPET-02	BUILD-01	FLOORING	CITY HALL	CH OFFICE AREAS 2 FL	OPERATIONS			15	10/07/01	15,000	1,000
CARPET-03	BUILD-02	FLOORING	POLICE DEPT	LOWER LEVEL	OPERATIONS			12	02/14/09	5,000	417
CARPET-04	BUILD-02	FLOORING	POLICE DEPT	MAIN LEVEL	OPERATIONS			12	10/06/97	20,000	1,667
CARPET-05	BUILD-01	FLOORING	CITY HALL	CH CARPET 1st FL	OPERATIONS			15	10/07/01	22,000	1,467
CARPET-06	BUILD-04	FLOORING	CITY MUSEUM	ORANGE	OPERATIONS			25	06/01/83	6,000	240
CH RTU - 1		HVAC	CITY HALL	ROOFTOP - 2nd FL East	OPERATIONS	48TFE012---601GA	1001G30633	20	10/07/01	40,000	1,995
CH RTU-2		HVAC	CITY HALL	ROOFTOP - 2nd FL North	OPERATIONS	48TFE006---601GA	0901G24298	20	10/07/01	20,000	995
CH RTU-3		HVAC	CITY HALL	ROOFTOP - 2nd FL East	OPERATIONS	48TFE006---601GA	0901G24280	20	10/07/01	20,000	995
CH RTU-4		HVAC	CITY HALL	ROOFTOP - 1st FL West	OPERATIONS	48TFE007---601---	1001G20897	20	10/07/01	24,000	1,195
CH RTU-5		HVAC	CITY HALL	ROOFTOP - 1st FL Center	OPERATIONS	48TFE007---601---	0601G20860	20	10/07/01	24,000	1,195
CH RTU-6		HVAC	CITY HALL	ROOFTOP - 2nd FL Center	OPERATIONS	48TFE009---601---	0901G34396	20	10/07/01	32,000	1,595
CH RTU-7		HVAC	CITY HALL	ROOFTOP - 2nd FL South	OPERATIONS	48TFE006---601GA	0901G24304	20	10/07/01	20,000	995
CH RTU-8		HVAC	CITY HALL	ROOFTOP - 2nd FL West	OPERATIONS	48TFE007---601--	0601G20851	20	10/07/01	24,000	1,195
CH RTU-9		HVAC	CITY HALL	ROOFTOP - 2nd FL West	OPERATIONS	48TFE004---601GA	0901G24498	20	10/07/01	12,000	595
CM COND-01		HVAC	CITY MUSEUM	A/C CONDENSER	OPERATIONS			20	10/10/07	3,000	149
CM COND-02		HVAC	CITY MUSEUM	A/C CONDENSER	OPERATIONS			18	11/11/06	5,000	278
CM COND-03		HVAC	CITY MUSEUM	A/C CONDENSER	OPERATIONS			20	10/10/07	3,000	149
CM FURN-01		HVAC	CITY MUSEUM	FURNACE	OPERATIONS			15	11/11/07	1,500	100
CM FURN-02		HVAC	CITY MUSEUM	FURNACE LL	OPERATIONS			15	11/11/07	2,000	133
Grouping Subtotal											27,323

BUILDING EQUIPMENT VALUE REPORT

Appendix F - Schedule BE

Asset ID	Master Asset	Asset Type	Group	Description	Budget ID	Model	Serial#	Service Years	Purchase Date	Purchase Cost	Calculated Yearly Cost
CM FURN-03		HVAC	CITY MUSEUM	FURNACE	OPERATIONS				02/20/08	1,500	100
CO-RAY VAC -01		HVAC	PUBLIC WORKS	GARAGE HEAT	OPERATIONS				11/16/02	4,500	250
CO-RAY VAC -02		HVAC	PUBLIC WORKS	GARAGE HEAT	OPERATIONS				11/16/02	4,500	250
CO-RAY VAC -03		HVAC	PUBLIC WORKS	WASH BAY HEAT	OPERATIONS				11/16/02	4,500	375
CO-RAY VAC -04		HVAC	PUBLIC WORKS	GARAGE HEAT	OPERATIONS				11/16/02	4,500	250
CP PLAY-01		STRUCTURAL	CERNY PARK	PLAYGROUND EQUIPMENT	OPERATIONS				02/24/00	30,000	1,500
FURNITURE-001		FURNITURE	CITY HALL	FILE CABINETS	PURCHASING	800 series	BLACK		10/07/01	15,000	500
FURNITURE-002		FURNITURE	CITY HALL	DESKS/CUBICAL	OPERATIONS				10/07/01	35,000	1,750
FURNITURE-003		FURNITURE	CITY HALL	COUNCIL CHAIRS	OPERATIONS				10/07/01	10,000	667
FURNITURE-004		FURNITURE	CITY HALL	FOLDING TABLE/CHAIRS	OPERATIONS				10/07/01	4,000	200
FURNITURE-005	BUILD-02	FURNITURE	POLICE DEPT	DESKS/CHAIRS	OPERATIONS				07/09/07	40,000	2,667
FURNITURE-006	BUILD-03	FURNITURE	PUBLIC WORKS	CHAIRS/DESKS	OPERATIONS				11/16/02	20,000	1,111
GEN-01		ELECTRICAL	CITY HALL	GENERATOR	OPERATIONS				02/24/09	90,000	3,592
GEN-02	BUILD-03	ELECTRICAL	PUBLIC WORKS	PUBLIC WORKS GENERATOR	OPERATIONS	250RZD	739169		11/16/02	90,000	3,580
GEN-03		ELECTRICAL	POLICE DEPT	GENERATOR	OPERATIONS	60GS	392527		10/10/97	40,000	1,592
HARDWOOD-01	BUILD-04	FLOORING	CITY MUSEUM	MAIN LEVEL	OPERATIONS				02/06/09	10,000	400
HP FURN-01		HVAC	HUDETZ PAVILLION	ELEC. FURNACE	OPERATIONS	LIRC060			09/12/06	2,000	111
HT EX -1	CH RTU -1	HVAC	CITY HALL	EXCHANGER	OPERATIONS				08/28/09	0,000	-
PAINT-01		PAINT	PUBLIC WORKS	PAINTING/STAIN	OPERATIONS				11/16/02	20,000	2,000
PAINT-02	BUILD-06	PAINT	PUBLIC WORKS	PAINTING/STAIN	OPERATIONS				10/21/04	6,000	600
PAINT-04	BUILD-05	PAINT	HUDETZ PAVILLION	PAINT	OPERATIONS				07/07/07	2,000	200
PAINT-05	BUILD-07	PAINT	GAZEBO	PAINT/STAIN	OPERATIONS				07/09/09	1,500	150
PAINT-07	BUILD-04	PAINT	CITY MUSEUM	PAINT	OPERATIONS				05/05/09	8,000	800
PAINT-08	BUILD-01	PAINT	CITY HALL	PAINT	OPERATIONS				07/07/07	18,000	1,800
PD PAINT-01		PAINT	POLICE DEPT	INTERIOR	OPERATIONS				06/15/09	20,000	2,500
PD RTU-1		HVAC	POLICE DEPT	MEETING RM	OPERATIONS	D7CG036N07906A	NHEM097538		10/19/97	18,000	898
PD RTU-2		HVAC	POLICE DEPT	ROOFTOP Main floor VAV	OPERATIONS	D2CG240N32025ECE	NLFM119217		10/19/97	40,000	1,995
PD RTU-3		HVAC	POLICE DEPT	ROOFTOP Lower Level	OPERATIONS	D2CG090N16525ECG	NLFM121529		10/19/97	20,000	998
PD RTU-4		HVAC	POLICE DEPT	ROOFTOP JAIL AREA	OPERATIONS	D7CG036N07906 A	NHEM097544		10/19/97	18,000	898

BUILDING EQUIPMENT VALUE REPORT

Appendix F - Schedule BE

Asset ID	Master Asset	Asset Type	Group	Description	Budget ID	Model	Serial#	Service Years	Purchase Date	Purchase Cost	Calculated Yearly Cost
PW RTU-1		HVAC	PUBLIC WORKS	ROOFTOP 12.5 ton	OPERATIONS	DM150N20N4AAA1A	NAKM008034		11/16/02	40,000	1,995
PW RTU-2		HVAC	PUBLIC WORKS	ROOFTOP 3 TON	OPERATIONS	D7CG036N07946A	NNKM134348		11/16/02	12,000	598
PW RTU-3		HVAC	PUBLIC WORKS	ROOFTOP 3 TON	OPERATIONS	D7CG036N07946A	NALM001943		11/16/02	12,000	598
PW RTU-4		HVAC	PUBLIC WORKS	WORK SHOPS	OPERATIONS	HRGB125-8-S-2	EBBD66X2N08345		11/16/02	6,000	300
PW UH-1		HVAC	PUBLIC WORKS	Unit Heater E.S.D.A	OPERATIONS	SCA400-6	BBE66M6N09070		11/16/02	3,000	150
ROOF-01	BUILD-01	STRUCTURAL	CITY HALL	EPDM	OPERATIONS				10/07/01	35,000	1,826
ROOF-02	BUILD-01	STRUCTURAL	CITY HALL	METAL SHINGLE	OPERATIONS				06/06/01	50,000	1,667
ROOF-03	BUILD-02	STRUCTURAL	POLICE DEPT	SHINGLE	OPERATIONS				06/06/97	91,500	5,490
ROOF-04	BUILD-02	STRUCTURAL	POLICE DEPT	EPDM	OPERATIONS				06/06/97	91,500	5,490
ROOF-05	BUILD-03	STRUCTURAL	PUBLIC WORKS	EPDM	OPERATIONS				11/16/02	320,000	18,824
ROOF-06	BUILD-04	STRUCTURAL	CITY MUSEUM	SHINGLE	OPERATIONS				06/06/90	9,000	300
ROOF-07	BUILD-05	STRUCTURAL	HUDETZ PAVILLION	METAL PANEL	OPERATIONS				06/06/86	20,000	571
ROOF-08	BUILD-06	STRUCTURAL	PUBLIC WORKS	SHINGLE	OPERATIONS				10/07/97	25,000	1,538
ROOF-09	BUILD-07	STRUCTURAL	GAZEBO	SHINGLE	OPERATIONS				06/06/89	4,000	200
TILE -02	BUILD-02	FLOORING	POLICE DEPT	1'x1'	OPERATIONS				10/06/97	5,000	167
TILE-01	BUILD-01	FLOORING	CITY HALL	CH TILE 1'x 1'	OPERATIONS				10/07/01	20,000	800
TILE-03	BUILD-03	FLOORING	PUBLIC WORKS	1'x1'	OPERATIONS				11/16/02	15,000	500
WH-02		PLUMBING	POLICE DEPT	WATER HEATER.	OPERATIONS	DVE-120 917	MA98-0710074-047		10/10/97	4,000	267
WH-03		HVAC	PUBLIC WORKS	PUBLIC WORKS WATER HEATER	OPERATIONS	BTH 150 970	BTH-150-M00N000000		02/24/09	6,500	433

Grouping Subtotal	73,445
Totals	Purchase Cost 2,211,947 Annual \$ 100,768

Miscellaneous Streetscape and Decorative Items

Appendix G - Schedule MSD

Description	Year Acquired	Quantity	Unit	Cost per Unit	Extended Initial Cost	In-Service Life Cycle	Calculated Yearly Cost
Colored/Stamped Concrete on Route 56 and Batavia Road	2013	2,255	S.F.	\$ 16.00	\$ 36,080	10	\$ 3,608
Painted Traffic signals, street lighting, guard rails and railings on Rt. 56 bridge	2013				\$ 62,430	10	\$ 6,243
Asphalt multi-use path on North Side of Route 56	2013	73,800	S.F.	\$ 3.75	\$ 276,750	20	\$ 13,838
Asphalt multi-use path on Continental Drive	2013	21,240	S.F.	\$ 3.75	\$ 79,650	20	\$ 3,983
Asphalt multi-use path on River Road	2014	39,000	S.F.	\$ 3.75	\$ 146,250	20	\$ 7,313
Asphalt multi-use trail in Leone Schmidt Heritage park	2015	4,360	S.F.	\$ 3.75	\$ 16,350	20	\$ 818
Colored/Stamped Concrete along west side of Williams Road (bridge project)	2015	1,312	S.F.	\$ 16.00	\$ 20,992	10	\$ 2,099
Decorative Hand Rail on Warrenville Road Bridge	2016	252	FT	\$ 100.00	\$ 25,200	15	\$ 1,680
Decorative Pilasters on Warrenville Road Bridge	2016	12	EACH	\$ 4,000.00	\$ 48,000	25	\$ 1,920
Average Annual Replacement Cost							\$ 41,502