

City of Milwaukee

## Capital Improvements Committee

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### 2015 Capital Budget Hearings

April 3, 2014

April 7, 2014



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## Table of Contents

### Contents

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Table of Contents .....	3
Department of Administration – ITMD.....	11
Tax Collection System .....	12
Public Safety Communications.....	12
Work Place Safety and Efficiency .....	13
IT Upgrades/Replacement .....	14
Mobile Device Security & Management .....	15
Corporate Database Server Upgrade (Out year).....	15
CSWAN / COMON Upgrade (Out year).....	16
Oracle /Peoplesoft Financial Upgrade (Out Year).....	16
Oracle/PeopleSoft HRMS Upgrade (Out Year).....	17
Web Security Appliance (Out Year).....	17
Oracle PeopleSoft HRMS eModules (Out Year) .....	18
Fusion Upgrade Study (Out Year).....	18
Oracle PeopleSoft Employee Portal (Out Year) .....	19
PC Replacement Cycle and Minimum Operating Standards .....	19
Web Application Server Replacement.....	19
Webcasting .....	20
Upgrade Titan CMS.....	20
GIS Infrastructure Improvements.....	20
Emergency Notification System .....	21
Storage Area Network (SAN) Expansion .....	21
eAps Procurement Life Cycle (Procurement Application).....	21
PC Replacement Project.....	22
Improve and Update City Website .....	22
City Assessor .....	23
Assessment Software.....	23
City Attorney.....	25
City Hall 8 <sup>th</sup> Floor Remodel.....	25
City Clerk.....	27

Capital Improvements Committee .....	28
LRB Research Office Upgrade.....	28
Channel 25 Digital Conversion .....	29
City Hall Room 205 Renovation.....	30
Public Face of LIRA.....	30
Security Camera Replacement .....	31
SAN Storage .....	31
Department of City Development .....	33
Business Improvement District .....	34
Neighborhood Commercial District Street Improvement Fund .....	35
Tax Incremental Districts .....	36
Advance Planning .....	37
Healthy Neighborhoods Initiative.....	38
Housing Infrastructure Preservation Fund.....	39
In rem Property .....	40
Commercial in rem Property Program.....	41
Vacant Lot Beautification.....	41
Façade Program.....	42
Brownfield.....	42
ADA Riverwalk.....	43
Development Fund .....	43
Comptroller.....	45
Financial Records Imaging/Workflow System .....	45
Commissions (Fire & Police; Election; ERS etc.) .....	47
Election Commission - New Voting Equipment .....	47
Fire & Police Commission Office Remodeling .....	48
Fire Department.....	49
Major Capital Equipment .....	50
Fire Facilities Maintenance Program .....	51
Auxiliary Power Supply .....	52
Fire Repair Shop – Land Acquisition, Design & Construction .....	54
Fire Shop Annex Design and Construction .....	55
Fire Repair Shop – Existing Facility Upgrade .....	55
Fire Remodeling – 3 <sup>rd</sup> Floor Headquarters.....	56



Regional Video Conferencing .....	56
Apparatus Floor Survey.....	57
MFD Engine House Locations.....	58
Health Department .....	59
Health Facilities Capital Projects .....	59
Data Repository.....	61
Library.....	63
Central Library Improvements Fund.....	63
Neighborhood Library Improvements (Interior, Exterior, Mechanicals).....	65
Library Facility Initiative.....	66
Municipal Court.....	69
CATS & Website Upgrade.....	69
Virtual Server and SAN Replacement .....	70
Electronic Case Jacket Project.....	70
Data Center AC.....	70
Panic Alarm System .....	71
IT Disaster Recovery Project.....	71
Department of Neighborhood Services .....	73
Conversion of Anderson Water Tower Garage.....	73
Remodel of the Development Center Offices .....	74
Conversion of Permit Records to Scanned Images.....	74
Concentrated Blight Elimination .....	75
Alternative Board-Up.....	75
Remodel ZMB 10 <sup>th</sup> Floor Office Assistant Area .....	75
Anderson Tower Conference Room .....	76
Police Department .....	77
Radio & Communications Upgrade .....	78
Record Management System .....	79
Police Administration Building Remodeling.....	80
Upgrade CAD System.....	81
Mobile Data Computer (MDC) Upgrades.....	82
Data/Communication Center Repairs.....	82
Digital Asset Management System Replacement.....	83
Police Training Management System .....	83

Job Scheduling Software .....	83
District Repair.....	84
Uninterruptable Power Supply.....	85
IT Server and Data Storage Replacement .....	85
Workforce Management.....	86
Multi-factor Authentication .....	86
Safety Academy Modifications.....	87
Automated Fingerprint ID System .....	87
Vehicle Mobile Data Computers/DVR Upgrade Project.....	87
Computer Systems Management Solution .....	88
Evidence Storage Warehouse .....	88
Safety Academy Expansion .....	88
Tiburon RMS VMP Record System.....	89
911 System Replacement.....	89
Port of Milwaukee.....	91
Rail Track and Service Upgrades.....	93
Terminal Resurfacing.....	93
Dockwall Rehabilitation .....	94
Roadway Paving .....	95
Demolish/Rehabilitate Port Facilities .....	96
Port Security.....	97
Pier Berth and Channel Improvements.....	98
New Crane/Heavy Lift Equipment     (Out Year).....	99
Rehab Electrical Services – South Harbor Tract     (Out year).....	99
Energy Efficiency Upgrades     (Out year).....	100
Harbor Maintenance Dredging     (Out year) .....	101
Secured Ferry Terminal Parking     (Out Year) .....	101
City Heavy Lift Dock Improvements     (Out Year) .....	102
Transload Terminal     (Out Year).....	102
Port Facilities Systems .....	103
Demolish/Rehabilitate Expired Leasehold Facilities .....	103
Analyze and Upgrade Sewer System .....	104
Cargo Handling Equipment Rehabilitation and Upgrade .....	105
Liquid Cargo Pier .....	106

Confined Disposal Facility Expansion.....	106
Department of Public Works – Fleet Services.....	109
Major Capital Equipment.....	109
Central Repair Back Lot.....	111
Two Way Radio Replacement .....	111
Department of Public Works – Forestry .....	113
Concealed Irrigation and General Landscaping City Boulevards .....	114
Tree Planting & Production Program.....	115
EAB Ash Transition.....	116
Emerald Ash Borer Readiness & Response .....	116
Stump Removal .....	117
Hazardous Tree Removal Program .....	118
Forestry HQ Modifications Account .....	118
Sustainable Boulevards.....	119
Department of Public Works – Sanitation .....	121
Environmental Services Facility Modifications.....	122
Purchase and Install Brine Makers .....	123
Material Recovery Facility (MRF) 1313 W Mount Vernon Avenue (Out year) .....	123
Industrial Road Facility Relocation .....	124
Routing Software.....	124
Self Help Scales.....	125
Department of Public Works – Administration .....	127
Public Safety Communications.....	127
CSWAN/COMON Upgrade .....	127
Municipal Phone System Upgrade.....	127
Department of Public Works – Facilities.....	129
Environmental Remediation Program .....	130
ADA Compliance Program.....	131
Facilities Exterior Program .....	132
City Hall Complex Remodeling – Misc.....	134
Municipal Garage/Outlying Facilities Remodeling.....	135
Facilities Systems Program.....	136
Space Planning Alterations and Engineering.....	137
City Hall Hollow Walk Structural Repairs .....	138

North Point Lake Tower .....	139
Energy Efficiency & Renewable Energy Initiative (SP4) .....	139
Hartung Park Landfill Closure.....	140
Playground Improvement Challenge Fund.....	141
Recreational Facilities Program.....	141
Municipal Service Building Reserve .....	142
Facilities Condition Assessment program .....	142
Building Exterior Façade Restoration.....	142
MacArthur Square Plaza Renovation.....	143
Storm Water Management.....	144
City Facilities Consolidation .....	144
Municipal Service Building Relocation.....	144
IT Equipment Room Compliance Program.....	145
ZMB Lower Parking Floor Restoration .....	145
Department of Public Works - Infrastructure .....	147
Major Bridge Program .....	147
Local Bridge Program.....	148
Major Street Program.....	151
Local Street Program .....	153
High Impact Paving Program.....	154
New Street Construction.....	155
New Street – Developer Funded .....	156
Alley Paving Program.....	157
Sidewalk Replacement Program.....	159
Street Lighting Program .....	161
Traffic Control Program .....	163
Underground Conduit Program.....	165
Underground Conduit and Manhole Reconstruction .....	166
Parking Fund .....	167
1000 North Water Parking Structure Repairs.....	168
Second & Plankinton Parking Structure Repairs.....	169
Fourth and Highland Parking Structure Repairs .....	170
MacArthur Square Parking Structure Renovation .....	170
Milwaukee/Michigan Parking Structure Repairs.....	171

Misc. Structural/Mechanical/Electrical Maintenance.....	172
Parking Facility Maintenance .....	173
Repave Tow Lots and Some Surface Lots.....	173
Replace Multi-Space Meters (Out year).....	173
Single Space Credit Card Meter Mechanisms.....	174
Parking Structure Revenue Control and Access Equipment (Out Year).....	174
Joint Dispatch/Parking Enforcement Relocation.....	175
License Plate Recognition System .....	175
Parking Meter Wireless Network .....	176
Multi-Space Meters .....	176
Sewer Maintenance Fund.....	177
Sewer Relief & Relay Program.....	178
Sanitary Pump Rehabilitation Project.....	179
River Channel Restoration .....	180
Inflow and Infiltration (I&I) Reduction Projects .....	181
Water Quality Projects to Meet Total Maximum Daily Load (TMDL) .....	182
BMPs for TSS Reduction (See TMDL).....	183
Flood Mitigation Program.....	184
Developer Out-of-Program Agreement (Various Locations).....	184
Milwaukee Water Works.....	185
Distribution Water Main System Program.....	186
Feeder Main Program.....	187
Assessable Water Main Program.....	187
Developer Water Main Program .....	187
Linnwood Plant Building Improvements.....	188
Linnwood Plant Treatment Improvements.....	189
Howard Plant Building Improvements.....	190
Howard Plant Treatment Improvements.....	191
Pump Facilities Improvements.....	192
Storage Facilities Improvements .....	193
Meter Shop Improvements.....	194
Backup Power Generation .....	194
Capital Projects Contingencies .....	195



## Department of Administration – ITMD

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$4,290,000</b>	<b>304%</b>	
2014					1,060,000	(43%)	
2013	879,383	425,000	1,450,000		1,875,000	213%	
2012	2,018,801	450,000	150,000		600,000	(70%)	368,799
2011	532,000	280,000	1,755,000		2,035,000	114%	1,307,220
2010	1,609,291	190,000	759,400		949,400	(42%)	1,459,890
2009	972,259	439,320	1,217,600		1,656,920	264%	993,672
2008	1,130,064		455,720		455,720	(64%)	582,024
2007	532,500		1,276,000		1,276,000		835,421
<b>Total</b>		1,784,320	7,063,720		9,908,040		5,547,026
<b>Average</b>		356,864	1,009,103		1,238,505		924,504

### 2015 Capital Request

The Dept. of Administration – ITMD has submitted 14 capital requests. Six of the requests are for 2015 funding. The remaining 8 projects are out-year requests.

The total six year request is \$13,920,000 and represents a decrease of \$1.22 million (8%) from last year's six year request.

The change in the six year request is due primarily to the removal of the PC Replacement cycle request (\$3.15M), a \$437,000 reduction in the Public Safety Communications request and a reduction of \$876,000 in the estimated cost of the Workplace Safety and Efficiency project. The reductions were partially offset by an increase of \$1.2 million in the IT Upgrades program and a new tax collection software project in the Treasurer's office (\$2.0 million)

Annual funding for ITMD capital projects is highly variable.

Capital Request Summary							
Project/Program	2015	2016	2017	2018	2019	2020	6 Yr. Total
Tax Collection System	2,000,000						\$2,000,000
Public Safety Communications	700,000	600,000	600,000	600,000	600,000	600,000	\$3,700,000
MapMilwaukee ArcGIS Upgrade	400,000						\$400,000
Workplace Safety and Efficiency	750,000						\$750,000
IT Upgrades & Replacement	280,000	300,000	300,000	300,000	300,000	300,000	\$1,780,000
Mobile Device Security & Mgmt	160,000						\$160,000
Corp Database Server Upgrade		480,000					\$480,000
CSWAN/COMOM Upgrade.		600,000	500,000				\$1,100,000
Oracle/PeopleSoft FMIS Upgrade		1,300,000					\$1,300,000
Oracle/PeopleSoft HRMS Upgrade			1,100,000				\$1,100,000
Web Security Appliance				350,000			\$350,000
Oracle PeopleSoft HRMS eModules				200,000			\$200,000
Fusion Upgrade Study				300,000			\$300,000
Oracle PeopleSoft Employee Portal					300,000		\$300,000
<b>Total</b>	<b>\$4,290,000</b>	<b>\$3,280,000</b>	<b>\$2,500,000</b>	<b>\$1,750,000</b>	<b>\$1,200,000</b>	<b>\$900,000</b>	<b>\$13,920,000</b>

## Tax Collection System

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,000,000</b>		

This is a **new** request for 2015. The current tax collection system used by the Treasurer was designed in 1982 using the Cobol computing language. It is becoming increasingly difficult to recruit new personnel with the skillset require to support the system.

Support for version 5 of the base operating system will end as of December 31, 2014. The hardware currently in use in the Treasurer's Office is not compatible with version 6. The new system will have increased reporting and productivity features. This is anticipated to be a two year project. Support for the old system will end before this project starts.

There may be an opportunity to combine this system with a system that will support City Assessor functions. (see City Assessor capital request). If two separate systems are purchased, the systems will have to be configured to work together. The department anticipates that there will be energy related cost savings associated with a new system.

In June 2012, the Legislative Reference Bureau responded to a request from ITMD to perform a survey of tax collection software utilized by other U.S. cities and other cities in Wisconsin. The LRB surveyed 14 U.S. cities which were similar in population to Milwaukee and the 10 largest cities in Wisconsin. The results of the survey are on file.

Annual Request		Six Year Request	
2015	\$2,000,000	2015	\$2,000,000

Title	Positions	FTE	Amount
Applications Development Manager	1	0.1	\$10,500
Systems Analyst – Project Lead	1	0.4	\$29,100
Programmer Analyst	<u>1</u>	<u>0.3</u>	<u>\$17,900</u>
	3	0.8	\$57,500

## Public Safety Communications

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$700,000</b>	<b>40%</b>	
2014	348,384		500,000		500,000		
2013	133,980		500,000		500,000		
2012	544,642		500,000		500,000		173,995
2011	283,250		500,000		500,000		742,288
2010	350,000		500,000		500,000	43%	409,441
2009	225,000		350,000		350,000	(44%)	719,111
2008	240,000	400,000	225,000		625,000		551,259
2007	465,000	400,000	225,000		625,000		576,457
<b>Total</b>		800,000	3,300,000		4,100,000		3,172,551
<b>Average</b>			412,500		512,500		528,759



This program provides for the installation and maintenance of the City of Milwaukee Optical Network (COMON). The network provides circuits for data, telephone, SCADA, security, building management, fuel management, telemetry and video systems. The network has been developed to serve other public entities including UWM, MATC, Marquette University, MIAD, WisDOT, Discovery World, and the Milwaukee Public Museum. Police locations are used as hubs to connect other City sites.

DPW notes that the City designs, installs and manages its own “wide area network” built with City fiber in City conduit. Almost all governments and businesses purchase WAN circuits from entities like AT&T, Time Warner, Telecom, Quest and other carriers. DPW provides those services directly to the City. The value of these circuits can be roughly estimated by the cost of getting those circuits from AT&T or others. COMON provides about 175 Gigabit Ethernet circuits to various entities. AT&T charges between \$2,500 and \$4,000 per month for their “Gigaman” circuits depending on distance. Based on this value of the “gigabit” circuits, DPW estimates the value of the circuits it provides is about \$450,000 per month.

Projects are designed to increase system redundancy and to provide diverse routes to critical public safety locations. The 2013 program will continue the extension of the optical network to the Housing Authority and Libraries.

This program was moved from DPW Admin to ITMD by the 2013 Budget.

Average annual funding for this project (since 2001) is approximately \$525,000. The 2014 Budget provided \$500,000 in funding. This program had \$348,000 in carryover borrowing authority at the beginning of 2014. The six year request is for \$600,000 each year from 2016 through 2020. No specific projects were listed in the request.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$700,000	2015	\$3,700,000
2014	\$937,000	2014	\$4,137,000
2013	\$625,000	2013	\$3,750,000
2012	\$625,000	2012	\$3,750,000
2011	\$625,000	2011	\$3,750,000

<b>Title</b>	<b>Positions</b>	<b>FTE</b>	<b>Amount</b>
Telecommunications and Other	3	0.5	\$40,000
Electrical Mechanics	12	2.5	\$150,000

### **Work Place Safety and Efficiency**

<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
<b>2015 Request</b>					<b>\$750,000</b>		
2014					0		
2013			750,000		750,000		
<b>Total</b>			750,000		750,000		

This project was formerly called “Remodeling 809 Building”. The workspace did not meet building codes for fire suppression and the space was inefficient for collaborative work efforts. A space study was done in 2004 to support the request which has been submitted each year since 2006 with a 3% escalator. Funding was provided in the 2013 to begin to address the most pressing safety concerns. No additional funding was provided in 2014. The

\$750,000 requested will fund the remainder of the project. The original estimated project budget was \$2,376,700. The current estimated project budget is \$1,500,000.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$750,000	2015	\$750,000
2014	\$1,626,700	2014	\$1,626,700
2013	\$2,376,700	2013	\$2,376,700
2012	\$2,307,460	2012	\$2,307,460
2011	\$2,420,250	2011	\$2,240,250
		2010	\$2,112,000

### IT Upgrades/Replacement

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$280,000</b>	<b>(2%)</b>	
2014		285,000			285,000	(5%)	
2013		100,000	200,000		300,000	(8%)	
2012		325,000			325,000		105,746
<b>Total</b>		<b>710,000</b>	<b>200,000</b>		<b>910,000</b>		
<b>Average</b>		<b>236,667</b>			<b>303,333</b>		

This capital account was first requested for inclusion in the 2012 Budget. Its purpose is to facilitate small to mid-sized IT projects. The six year request includes \$300,000 each year from 2013 through 2020. Three projects are anticipated for 2015.

The first project is the implementation of the Lagan Employee mobile product which is the next phase of the Unified Call Center (UCC) mobile project. The project will allow city employees to input field data into the system in real time.

The second project initiates a network switch upgrade schedule. Currently funding for switches is dispersed among user departments. A majority of the switches are past or near the end of their useful life. The project will ensure consistent and secure access to the network for all City personnel.

The third project is an upgrade to the City's Titan CMS which is the tool used to design and add content to the City's website.

#### Planned for 2015

- Implementation of Lagan Employee mobile product
- Network Switch Upgrade Schedule
- Upgrade the City's Titan CMS

#### Previously Requested Projects

2014	Consolidation of City printing services
2014	Build out of City Hall wireless network
2013	Disaster Recovery Site Project
2013	Mobile access to Lagan System
2012	Active Directory Consolidation Project

2012 E-mail Archive Server Replacement

Annual Request		Six Year Request	
2015	\$280,000	2015	\$1,780,000
2014	\$285,000	2014	\$585,000
2013	\$100,000	2013	\$600,000
2012	\$100,000	2012	\$2,600,000

Title	Positions	FTE	Amount
Programmer Analyst	1	0.2	\$11,300
Telecommunications Analyst Sr.	1	0.3	\$20,100
Total	2	0.5	\$31,400

### Mobile Device Security & Management

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$160,000</b>		

This one year project was first requested in 2013 for funding in 2014. No funding was provided in the 2014 Budget. The project will provide security and management software for employees who use personal mobile devices to access City systems. Once the software has been installed on a mobile device, it will allow the device to be secured remotely, wiped in case of loss or theft, and managed from a central location. The requested funding amount has not changed from the 2013 request.

**Estimated Payback**      3 years

Annual Request		Six Year Request	
2015	\$160,000	2015	\$160,000
2014	\$160,000	2014	\$160,000
2013	\$0	2013	\$160,000

### Corporate Database Server Upgrade (Out year)

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>		

This project was first requested in 2014 for funding in 2015. This one year project will update the server that supports the corporate database. The Oracle database server houses critical datasets including the Unified Call Center, City Clerk Licenses, and Master Property as well as data lookups and web applications used by the City web site. The project will reduce the likelihood of failure and increase the speed and capacity of the system. Although the goal of ITMD is to consolidate servers and software, this system is not a good candidate for consolidation efforts because it lacks processing power and the SAN disk that are necessary. Funding of \$480,000 is requested for **2016**.

**Useful Life**                      7 years

**Annual Request**

2015 \$0  
 2014 \$0

**Six Year Request**

2015 \$480,000 for 2016  
 2014 \$95,000 for 2015

Title	Pos	FTE	Amount
Database Admin and Assoc	1	0.5	\$49,100
IT Support Staff	<u>2</u>	<u>0.2</u>	<u>\$11,000</u>
Total	3	0.7	\$60,100

<b>CSWAN / COMON Upgrade</b>	<b>(Out year)</b>
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Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>		
2014	0				0		
2013	0				0		
2012	33,278				0		
2011	33,278				0		
2010	33,278				0		
2009	1,100,000				0		
2008	0		1,100,000		1,100,000		1,066,722
2007	0						
<b>Total</b>			1,100,000		1,100,000		

This project to replace Ethernet Routing Switches was first requested in 2012 for 2015. Manufacturer support for the switches is expected to end in June of 2016. The original request was for one year. The current request is for \$600,000 in **2016** and \$500,000 in **2017**. The total estimated project cost has not changed. The cost estimate is based on the last upgrade which was done in 2008.

This request was moved to ITMD from DPW – Admin by the 2013 Budget.

**Useful Life**                      5 years

**Annual Request**

2015 \$0  
 2014 \$0  
 2013 \$0  
 2012 \$0

**Six Year Request**

2015 \$1,100,000 (2016, 2017)  
 2014 \$1,100,000 for 2015  
 2013 \$1,100,000 for 2015  
 2012 \$1,100,000 for 2015

<b>Oracle /Peoplesoft Financial Upgrade</b>	<b>(Out Year)</b>
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Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>		

This multi-year project will guarantee continued support for the City's FMIS system and increase productivity. This project was first requested in 2011. The cost estimate has not changed. Funding of \$1,300,000 is requested for **2016**.

**Useful Life** 6 years  
**Estimated Payback** 5 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$0	2015	\$1,300,000 for 2016
2014	\$0	2014	\$1,300,000 for 2016
2013	\$0	2013	\$1,300,000 for 2016
2012	\$0	2012	\$1,300,000 for 2016
2011	\$0	2011	\$1,300,000 for 2016

<b>Oracle/PeopleSoft HRMS Upgrade</b>							<b>(Out Year)</b>	
<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>	
<b>2015 Request</b>					<b>\$0</b>			

This one year project was scheduled for 2015 and has been moved to **2017**. The cost estimate has not changed. Annual maintenance payments for this project are included in ITMD's operational budget. This upgrade will guarantee continued project support and updates. The request is for \$1,100,000 in **2017**

**Useful Life** 6 years  
**Estimated Payback** 5 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$0	2015	\$1,100,000 for 2017
2014	\$0	2014	\$1,100,000 for 2015
2013	\$0	2013	\$1,100,000
2012	\$0	2012	\$1,100,000
2011	\$0	2011	\$1,100,000

<b>Web Security Appliance</b>							<b>(Out Year)</b>	
<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>	
<b>2015 Request</b>					<b>\$0</b>			

This one year project was originally requested in 2011 for 2016. The 2015 request moves the project to **2018**. The cost estimate has not changed. This project will enhance internet security and safeguard against spyware, adware, malware and "phishing". Operational savings will be realized in the reduction of time spent trouble shooting and fixing infected computers. The project will also limit the City's exposure to liability. The estimated project cost is \$350,000.

**Estimated Payback** 5 years

**Annual Request**

2015 \$0  
 2014 \$0  
 2013 \$0  
 2012 \$0

**Six Year Request**

2015 \$350,000 for 2018  
 2014 \$350,000 for 2016  
 2013 \$350,000 for 2016  
 2012 \$350,000 for 2016

<b>Oracle PeopleSoft HRMS eModules</b>						<b>(Out Year)</b>	
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Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>		

This project was first requested in 2014 for funding in 2015. The 2015 request moves the project to **2018**. The cost estimate has not changed. This a one year project will purchase eDevelopment, eProfile Manager and eCompensation Manager to enhance self-service functionality within the Oracle/PeopleSoft HRMS modules. The estimated cost of the project is \$200,000.

**Useful Life**                      6 years  
**Estimated Payback**            5 years

**Annual Request**

2015 \$0  
 2014 \$0

**Six Year Request**

2015 \$200,000 for 2018  
 2014 \$200,000 for 2015

<b>Fusion Upgrade Study</b>						<b>(Out Year)</b>	
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Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>		

This one year project was originally scheduled for 2012. It is currently scheduled for **2018**. This project will evaluate the functionality and suitability of the HRMS software upgrade. The study will aid the development of implementation and transition plans and provide more accurate estimates of total migration costs. The estimated project cost is \$300,000 and is unchanged since 2011.

**Useful Life**                      5 years  
**Estimated Payback**            5 years

**Annual Request**

2015 \$0  
 2014 \$0  
 2013 \$0  
 2012 \$0  
 2011 \$0

**Six Year Request**

2015 \$300,000 for 2018  
 2014 \$300,000 for 2015  
 2013 \$300,000 for 2014  
 2012 \$300,000  
 2011 \$300,000 for 2012

**Oracle PeopleSoft Employee Portal (Out Year)**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>		

This project was first requested in 2014 for funding in 2015. The current request moves the project to **2019**. The project cost estimate of \$300,000 has not changed. This one year project would implement and employee portal for new and/or terminated employees.

**Useful Life**                      6 years  
**Estimated Payback**         5 years

Annual Request		Six Year Request	
2015	\$0	2015	\$300,000 for 2019
2014	\$0	2014	\$300,000 for 2015

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*Updates and Past Requests*

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**PC Replacement Cycle and Minimum Operating Standards**

This was a new request in 2014 for an on-going program to coordinate the purchase and the replacement cycles of the computers used by various departments. It would also have ensured that minimum operating standards are maintained by all departments. As technology continues to evolve and the City continues to increase the number of internal and external services that are available electronically, maintaining minimum operating standards and system compatibility throughout the City becomes increasingly important.

This program would have allowed for the bulk purchasing of computers and would have minimized equipment variability. **No capital funding was provided in the 2014 Budget.** Funding for PC replacements remained in departmental operating budgets. **No request was submitted in 2015.** Although not part of this program, ITMD is taking steps to quantify the costs of IT throughout the City.

Annual Request		Six Year Request	
2014	\$525,000	2014	\$3,150,000

**Web Application Server Replacement**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014		125,000			125,000		
<b>Total</b>		125,000			125,000		

This one year project received funding in 2014. Funding will provide for the scheduled replacement of web application servers. Replacement of the servers in a timely manner will ensure warranty coverage, and support applications on the City’s website. The original request was for \$75,000. **No request was submitted in 2015.**

Annual Request		Six Year Request	
2014	\$125,000	2014	\$125,000

2013	\$0	2013	\$125,000
2012	\$0	2012	\$75,000
2011	\$0	2011	\$75,000

## Webcasting

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014		150,000			150,000		
<b>Total</b>		150,000			150,000		

This one year project received funding in the 2014 Budget. The project will add streaming ability to the City's website. The on-going annual cost is estimated to be \$15,000. The project is expected to reduce operating costs, increase productivity and ensure inter-departmental compatibility and consistency.

### Annual Request

2014	\$150,000
2013	\$0
2012	\$150,000
2011	\$140,000

### Six Year Request

2014	\$150,000	2014
2013	\$150,000	2014
2012	\$150,000	2012
2011	\$140,000	2011

## Upgrade Titan CMS

This is was a new request in 2014 for \$120,000 of funding in **2015**. The Titan Content Management System (CMS) is the software used to build the City's website. The City is using version 5.3. ITMD anticipates that by 2015, Titan will likely be in version 7.x. Supporting and maintaining v5.3 will be difficult and costly. The upgrade will allow performance enhancements and increased functionality. **This project was incorporated into IT Upgrades /Replacements program in the 2015 capital request.**

**Useful Life** 5 years

### Annual Request

2014	\$0
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### Six Year Request

2014	\$120,000 for 2015
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## GIS Infrastructure Improvements

This request, which was first submitted in 2013, supersedes the MapMilwaukee Mobile Expansion request. It was a one year project scheduled for 2015 to allow employees to access and update MapMilwaukee information while in the field. This project would increase capacity, increase reliability, facilitate the use of new development tools, and support new multi-platform GIS applications. The estimated cost in 2013 was \$300,000. **No request was submitted for the 2015 Budget**

**Useful Life** 5 years

**Estimated Payback** 3 years

### Annual Request

2014	\$0
2013	\$0

### Six Year Request

2014	\$300,000 for 2015
2013	\$300,000 for 2015



## Emergency Notification System

This was a new request in 2014 for \$50,000 in 2016 to upgrade CityWatch, the City's emergency notification system. The system is currently used by the Police Department and the Health Department. Other departments that are exploring use of the system are the Port of Milwaukee, the City Hall Operator and the Unified Call Center. It was proposed as a one year project to upgrade the system that was installed in 2008. The project was not funded in 2014 **No request was submitted for the 2015 Budget**

**Useful Life** 5 years

**Annual Request**

2014 \$0

**Six Year Request**

2014 \$50,000 for 2016

## Storage Area Network (SAN) Expansion

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013		325,000			325,000		
2012					0		2,152
<b>Total</b>		325,000			325,000		2,152

This one year project superseded the SAN Replacement request from 2012. The SAN installed in 2008 reached its capacity in 2012. Funding of \$75,000 was requested for 2011 to replace the SAN. The expansion project increased capacity, increased redundancy and improved recovery options. The expansion will allow City departments to utilize this centralized City SAN. Advances in technology will reduce the energy consumption of the network. The project was funded in 2013 and is now complete.

**Useful Life** 5 years

**Estimated Payback** 5 years

**Annual Request**

2013 \$325,000

2012 \$0

2011 \$0

**Six Year Request**

2013 \$325,000

2012 \$333,000 for 2013

2011 \$333,333 for 2013

## eAps Procurement Life Cycle (Procurement Application)

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014							
2013			500,000		500,000		
2012					0		
<b>Total</b>			500,000		500,000		

Funding for this one year project was originally requested for 2012 (\$450,000). The project moved to 2014 and then back to 2013. The request is for the purchase of two FMIS modules which will help automate and integrate procurement activities. This project was funded as requested in the 2013 Budget. **No additional funding has been requested.**

**Annual Request**  
 2013 \$500,000  
 2012 \$0  
 2011 \$0

**Six Year Request**  
 2013 \$500,000  
 2012 \$450,000 for 2014  
 2011 \$450,000 for 2012

### PC Replacement Project

This project was a new one year request in 2011 for 2015 (\$115,000). It did not receive funding. The project would have replaced old computers with energy efficient models and reduced the number of Microsoft licenses. The department has decided not to move forward with this project.

### Improve and Update City Website

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014							
2013							
2012							
2011		140,000			140,000		64,625
<b>Total</b>		140,000			140,000		64,625

**Annual Request**  
 2011 \$140,000

**Six Year Request**  
 2011 140,000

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## City Assessor

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### Assessment Software

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2015 Request					\$833,500		

This is a **new** request for 2015 to replace the City's property assessment software system.

The Assessor currently uses an in-house system. Like the system used by the Treasurer, maintenance requires a skillset that is increasingly difficult to find. A new system will provide efficiencies in the Assessor's office, increased functionality, and greater accessibility to other city departments including the Treasurer, DPW, and the Department of Neighborhood Services.

The department intends to purchase a software package. The positions associated with this request will support the conversion of property data to the new system. Three of positions supported by this project are in ITMD and three are in the Assessor's office.

**Useful Life**      15 years

**Annual Request**  
2015    \$833,500

**Six Year Request**  
2015    \$1,667,000

Title	Positions	FTE	Amount
Systems Analyst Project Manager	1	0.5	\$59,000
Property Systems Administrator	1	0.5	\$36,000
Chief Assessor	1	0.2	\$27,000
Application Development Manager	1	0.1	\$18,500
Systems Analyst Project Leader	1	0.35	\$51,500
Programmer Analyst	1	0.3	<u>\$30,000</u>
Total	6		\$222,000



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## City Attorney

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### City Hall 8<sup>th</sup> Floor Remodel

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>1,937,300</b>		
2014			1,758,000		1,758,000		
2013							
2012							
2011							
2010							
2009							61,895
2008							21,620
2007		250,000			250,000		2,904
<b>Total</b>		250,000			250,000		86,419

The current project estimate, including funds that have already been budgeted is \$5,391,500.

The 2014 Budget provided \$1,758,000 for Phase I of the project.

Demolition	\$108,750
Wall Systems	\$192,580
HVAC (Mechanical Work)	\$926,255
Fire Protection	\$104,775
Electrical Work	\$426,131

Request Summary – 2015	
2015	\$1,937,300
2016	<u>\$1,696,200</u>
Total	\$3,633,500

### Background

In 2006, the City Attorney's Office was moved from the 8th floor of City Hall to accommodate the City Hall Restoration project. It was anticipated that the City Attorney would need to vacate the 8th floor for 2-3 years. The City Attorney currently occupies space on the 7th and 10th floors of the ZMB.

The City Attorney asserts that its current location is insufficient in terms of size and design. There are no office accommodations for two attorneys to perform their functions. The space lacks adequate storage and preparation areas for on-going projects and litigation. As a result, the Office of the City Attorney lacks the space, privacy and security recommended for the sensitive and confidential nature of its work.

The City Attorney submitted a capital request for inclusion in the 2011 Budget to make the improvements necessary to allow the office to return to the 8th floor. The submittal included detailed cost estimates and a proposed floor plan. The total six-year cost was estimated to be \$4.8 million (\$282.40/SF). The request was not funded.

A revised request was submitted for the 2012 Budget which proposed implementing the project over three years with additional funding required in 2013 and 2014. Although the estimated cost of the project remained at \$4.8 million, the Capital Improvements Committee expressed concern that phasing the project over three years may cause unnecessary increases in the overall cost. The Committee recommended in 2012 and 2013 that the project be implemented over no more than two years.

The 2013 and 2014 requests again phased the project over three years. The total six-year request is \$5.5 million, a decrease of 5% from the 2013 request. Of the estimated project cost, approximately \$1.5 million will be used to fund the upgrade of the electrical, mechanical and fire suppression systems. These systems will need to be upgraded regardless of which department occupies the 8th floor. The project will result in a reduction in energy usage.

The 2012 Proposed Budget provided authority to borrow \$1.6 million in 2012 to begin the renovation. The funding was removed from the 2012 Budget by amendment. In June of 2012 a resolution was introduced by the Council to investigate other uses for the 8th floor of City Hall including using it for banquet facilities. The resolution was placed on file. The 2013 Budget did not contain funding for the 8th floor. For 2014, the Capital Improvements Committee recommended that only enough funding be included to begin the replacement of the mechanical systems.

**Useful Life**            25 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$1,937,300	2015	\$3,633,500
2014	\$2,013,507	2014	\$5,488,981
2013	\$2,013,507	2013	\$5,488,981
2012	\$1,600,000	2012	\$4,680,000
2011	\$4,804,000	2011	\$4,804,000

**Historic Capital Requests for the City Hall 8<sup>th</sup> Floor Remodel**

2015		2014		2013		2012		2011	
2014	\$1,937,300	2014	\$2,013,507	2013	\$2,013,507	2012	\$1,600,000	2011	\$4,804,000
2015	\$1,696,200	2015	\$2,258,560	2014	\$2,258,560	2013	\$1,980,000		
		2016	\$1,216,914	2015	\$1,216,914	2014	\$1,100,000		
<b>Total</b>	<b>\$3,633,500**</b>	<b>Total</b>	<b>\$5,488,981</b>	<b>Total</b>	<b>\$5,488,981</b>	<b>Total</b>	<b>\$4,680,000</b>	<b>Total</b>	<b>\$4,804,000</b>

\*The 2012 request is smaller than the 2011 request because the 2012 request included \$170,000 in funding that remained in a capital account.

\*\*The total 2015 request is smaller because \$1,758,000 was budgeted in 2014.

## City Clerk

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,590,000</b>	<b>1,380%</b>	
2014		175,000			175,000	49%	
2013			117,500		117,500	194%	
2012	6,021	40,000			40,000		27,039
2011	67,540						
2010	1,007,924						758,363
2009	671,900		350,000		350,000		243,541
2008	681,900						13,976
2007			525,000		525,000		12,490
<b>Total</b>		215,000	992,500		1,207,500		1,055,409

### 2015 Capital Request

The City Clerk's Office has submitted four capital requests for the 2015 Budget. One is for an on-going program.

The total six year request is \$3.28 million and represents a decrease of \$196,000 (0.2) from last year's six year request.

The 2015 request includes 3 projects; the second year of funding for the digital conversion of Channel 25, the upgrade of Room 307 in City Hall, and a renovation/reconfiguration project in Room 205 in City Hall.

Requested funding for the City Clerk's Office is typically higher than the budgeted amount because the annual request for the Capital Improvement Committee is submitted by the City Clerk but the funding appears in the budget as a Special Capital Project.

Capital funding in 2007 and 2009 was for the License Management System Requirements Study and License Division Remodeling. Funding in 2012 was used to increase the storage area network, and the funding in 2014 provided the first year of funding for the Channel 25 conversion.

## Capital Improvements Committee

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$87,000</b>		
2014		85,000			85,000		
2013		85,000			85,000		
2012		85,000			85,000		86,873
2011		85,000			85,000		68,876
2010		85,000			85,000		16,878
<b>Total</b>		425,000			425,000		172,627
<b>Average</b>		85,000			85,000		57,542

This program was first funded in 2010. It provides for the salary and fringe benefits for a Fiscal Planning Specialist position. This position is in the City Clerk's Office and serves as staff to the Capital Improvements Committee and provides budget analysis for the Finance and Personnel Committee. The requirements of this program are contained in Common Council file 081215 as amended by file 090090. This program is funded with cash, not borrowing. The total six year request is \$552,000.

\*The capital request for this program is submitted by the City Clerk but the funding appears in the Budget as a "Special Capital Project"

Annual Request		Six Year Request	
2015	\$87,000	2015	\$552,000
2014	\$85,000	2014	\$540,000
2013	\$85,000	2013	\$540,000
2012	\$85,000	2012	\$540,000
2011	\$85,000	2011	\$530,000

## LRB Research Office Upgrade

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$438,000</b>		

This request replaces the prior request titled "Room 307 CH Remodeling". This one year project was first requested for inclusion in the 2011 Budget. (\$435,239) The 2,650 SF space was formerly used by the Division of Budget and Management Analysis. The timing of a personnel shift in 2010 did not allow for the renovation of Room 307 prior to LRB staff being assigned there. The room is in need of substantial renovation as well as an HVAC upgrade. Carpeting, ceiling tiles and workstations are in extremely poor condition. The lighting is substandard. The outdated HVAC system makes it difficult to regulate temperature throughout the office. Mold has been found in employee cubicles.

The request was revised for the 2012 request (Feb 2011), removing several items (walls, cabinets, painting, plumbing, separate furnishings and security) resulting in over \$42,000 in cost savings. The updated cost estimate from DPW Facilities for the 2015 Budget (March 2014) is \$438,000. The cost estimate includes the HVAC & electrical system. A detailed cost estimate was included with the 2015 request.



Because the space is already occupied, there are no efficiencies to be gained by phasing the project over multiple years. The City will realize some decrease in operating costs primarily through the reduction in energy use. These effects, however, have not been quantified.

The Capital Improvements Committee did not recommend funding for this project in 2012, 2013 or 2014.

**Useful Life**        20 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$438,000	2015	\$438,000
2014	\$427,000	2014	\$427,000
2013	\$411,000	2013	\$411,000
2012	\$394,000	2012	\$394,000
2011	\$435,299	2011	\$435,299

### Channel 25 Digital Conversion

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$150,000</b>		
2014		175,000			175,000		
<b>Total</b>		175,000			175,000		

The City Clerk's Office submitted a request in 2012 for \$135,000 for a 3 year project to convert the Channel 25 signal from analog to digital (not high definition). The broadcasting and cable industry's conversion to digital format is making analog equipment more difficult to acquire and maintain. If critical components cannot be replaced or repaired, the City may be unable to televise its meetings. The conversion will ensure continued service and result in better video image quality for the City Channel. Because of the technologies involved it is not practical or cost effective to transition to the new format over a long period of time.

The project was originally designed in two phases; Phase I to convert the Master Control area in the 809 Building and Phase II to convert Room 301 in City Hall. The 2014 request added the studio facilities in the 809 Building, increasing the total cost of the project by \$260,000. Each phase of the project will be completed in August to coincide with the Council's recess to minimize the disruption to the broadcast of meetings.

Channel 25 was established in 1985. It was funded by a \$500,000 grant from WAVE Cable (now Time Warner), the original cable franchisee. The franchise agreement was renewed in 2000. The Room 301 meeting rooms were upgraded in 1995. In 2007, the city received \$44,000 from AT&T for a temporary franchise agreement. The city used the funds to purchase the current cameras and fiber-optic cabling on the third floor of City Hall.

From 1985 to 2003 equipment costs in the department's operating budget averaged between \$40,000 and \$50,000 per year. From 2004 to the present, equipment has been budgeted at \$25,000 per year.

Changes to state law in 2007 capped franchise fees at 5%. The City currently collects of over \$3 million of franchise revenue which is added to the City's general fund. The annual operating cost of the City Channel is about \$350,000.

The CIC recommended funding for the project in both 2013 and 2014.

**Useful Life**        10+ years

**Annual Request**

2015 \$150,000  
 2014 \$175,000  
 2013 \$135,000  
 2012 \$135,000

**Six Year Request**

2015 \$375,000  
 2014 \$550,000  
 2013 \$290,000  
 2012 \$290,000

**City Hall Room 205 Renovation**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$1,915,000</b>		

This one year project to update the electrical and HVAC systems in Room 205 of City Hall was first request in 2014. This project would also reconfigure office and conference room space and enhance security for reception personnel.

The electrical and HVAC systems in Rm 205 have not been updated in nearly 40 years and are not in compliance with current building and fire codes. Equipment malfunctions and power outages have resulted. Combining the upgrade of the electrical and HVAC systems with the reconfiguration of the office space will ensure the most efficient design of the new system and minimize disruption to staff and office activities. A detailed cost estimate was included with the 2015 request.

The CIC did not recommend funding for this project in the 2014 Budget.

**Useful Life** 30 years

**Annual Request**

2015 \$1,915,000  
 2014 \$1,944,896

**Six Year Request**

2015 \$1,915,000  
 2014 \$1,944,896

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*Updates and Past Requests*

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**Public Face of LIRA**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013			117,500		117,500		
<b>Total</b>			117,500		117,500		

The City has provided \$700,000 in funding for the development and implementation of the License Information Reporting and Administration (LIRA) system. The project has provided automation of certain labor intensive process such as payment of license files and submission of police reports. LIRA also provides electronic communication and information access to city departments which were never possible in the past.

Work continues on the system as the Licensing Division implements further improvements. The next phase of the project is the development of an external face for the LIRA. The project will allow public access to licensing information, on-line application and tracking and other functionalities. It was expected to be a one year project. Funding was provided in the 2013 Budget. **No additional funding was requested for 2014 or 2015.**

**Useful Life**      10+ years

<b>Annual Request</b>	<b>Six Year Request</b>
2013    \$117,500	2013    \$117,500

## Security Camera Replacement

The City Clerk requested \$14,000 for the 2014 Budget for a one year project to replace existing security cameras and install additional cameras in the License Division. This project was not funded in the 2014 Budget because the City Clerk was able to install the cameras using carryover operating funds in the summer of 2013.

## SAN Storage

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013					0		
2012		40,000			40,000		27,039
<b>Total</b>		40,000			40,000		37,039

This one year project was included in the 2012 Budget (\$40,000). This project represents the most cost effective means of meeting the City's obligation under state statute and municipal code to issue licenses and provide notice of licensing hearings in a timely manner. Five terabytes of storage space to be used for the LIRA licensing system and the MediaMatch video integration software are currently being installed. ITMD had requested that the City Clerk's office purchase its own storage. It is expected that this project will provide adequate storage space for 10 years. **This project was completed in 2012, within its budget.**

**Useful Life**      10 years

<b>Annual Request</b>	<b>Six Year Request</b>
2012    \$40,000	2012    \$40,000



## Department of City Development

Year	Carryover	Tax Levy	Gen Oblig.	TID	Revenue	Total	% Δ
<b>2015 Request</b>						<b>\$23,818,500</b>	
2014						22,100,000	
2013	62,538,606	150,000	2,700,000	11,000,000	3,685,000	17,585,000	(40%)
2012	149,059,553	75,000	2,650,000	22,000,000	4,251,000	29,176,000	(5%)
2011	174,997,539	450,000	3,960,257	22,000,000	4,251,000	30,661,251	(22%)
2010	178,478,575	175,000	11,754,220	23,222,323	4,251,000	39,402,543	(10%)
2009	154,903,586	500,000	2,686,000	36,268,614	4,390,000	43,844,614	(39%)
2008	119,329,944	200,000	6,878,500	60,451,000	4,200,000	71,729,500	
2007							
<b>Total</b>		1,550,000	30,628,977	174,941,937	25,028,000	254,498,908	
<b>Average</b>		258,333	5,140,830	29,156,990	4,171,333	36,356,987	

### 2015 Capital Request

The Department of City Development (DCD) has submitted eleven capital requests for the 2015 Budget. All requests are for on-going programs.

The total six year request is \$141,200,000 and represents a decrease of \$6.85 million (5%) from last year's six year request. The largest decrease is related to the request for Tax Incremental Districts (TIDs).

There are two new programs in DCD; the Commercial *in rem* Property program and the Vacant Lot Beautification Program. Together, these two programs added \$4.2 million to the six year request.

There was also a large increase in the *in rem* Property Program. As part of the Mayor's Strong Neighborhood Investment Plan (SNIP) DCD is requesting funds for rehabilitation loans.

There were moderate increases in the requests for the Façade and Brownfield Programs as well as the Housing Infrastructure Preservation Fund.

Capital Request Summary (in thousands)							
Project/Program	2014	2015	2016	2017	2018	2019	6 Yr. Total
Neighborhood Commercial District Street Improvement Fund	600	600	600	600	600	600	\$3,600
Business Improvement Districts	250	250	250	250	250	250	\$1,500
Tax Incremental Districts	19,500	22,500	22,500	22,500	22,500	22,500	\$132,000
Advance Planning Fund	150	150	150	150	150	150	\$900
Healthy Neighborhoods Initiative	150	150	150	150	150	150	\$900
Housing Infrastructure Preservation Fund	400	400	400	400	400	400	\$2,400
In Rem Property Program	300	300	300	300	150	150	\$1,500
Façade Program	250	250	250	500	500	500	\$2,250
Brownfield Program	500	500	500	500	500	500	\$3,000
Development Fund							
ADA Riverwalk Construction							
<b>Total</b>	\$22,100	\$25,100	\$25,100	\$25,350	\$25,200	\$25,200	\$146,550

## Business Improvement District

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$250,000</b>	<b>%</b>	
2014	750,000				250,000		
2013	1,566,618		250,000		250,000	0%	
2012	2,486,250				250,000	0%	22,864
2011	2,236,250		250,000		250,000	(80%)	192,622
2010	1,500,000		250,000		1,236,250		93,646
2009	2,000,000					100%	203,226
2008	1,500,000		500,000		500,000	0%	363,244
2007	1,890,000		500,000		500,000		4,812
<b>Total</b>			1,750,000		2,986,250		880,414
<b>Average</b>	1,741,140		350,000		497,708		146,736

This program is used to fund loans to BIDs for streetscaping and other infrastructure projects. The funds are normally matched with other funding sources. Loans from this fund are repaid through annual BID assessments. Demand for this program has been affected by the downturn in the economy.

From 2000 through 2008, this program received \$500,000 of funding annually. No funding was budgeted in 2009 because the department anticipated that there was enough carryover authority to meet the needs of the program. Over \$1 million of funding lapsed from this program in January of 2014. No plan for 2015 was submitted with the request.

### Past Proposed Spending Plans

2011	Riverworks	\$140,000
2011	North Ave. Marketplace (BID #32)	\$150,000
2012	Historic King Drive (BID #8)	\$500,000
2012	Lincoln Avenue/Becher	\$200,000
2013	KK Streetscape	\$250,000
2013	Center Street	\$250,000
2013	Prospect Avenue	\$TBD
2014	Granville Streetscape	\$250,000

### Annual Request

2015	\$250,000
2014	\$250,000
2013	\$250,000
2012	\$250,000
2011	\$250,000

### Six Year Request

2015	1,500,000
2014	\$1,500,000
2013	\$1,500,000
2012	\$1,500,000
2011	\$3,000,000

## Neighborhood Commercial District Street Improvement Fund

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$600,000</b>	<b>50%</b>	
2014			400,000		400,000	(33%)	
2013	1,250,000		600,000		600,000	20%	
2012	1,127,810		500,000		500,000	100%	20,588
2011	877,810		250,000		250,000	(50%)	168,991
2010	2,075,535		500,000		500,000	48%	300,468
2009	2,500,000		337,000		337,000	(66%)	778,555
2008	2,000,000		1,000,000		1,000,000	100%	635,792
2007	1,987,500		500,000		500,000		273,288
<b>Total</b>			<b>4,087,000</b>		<b>4,087,000</b>		<b>2,177,682</b>
<b>Average</b>			<b>510,875</b>		<b>510,875</b>		<b>362,947</b>

This program assists neighborhood commercial streetscaping efforts by providing matching dollars for funds from other internal and external sources. Other funding sources may include the City of Milwaukee BID Fund, Congestion Mitigation and Air Quality Improvement Program (CMAQ) grants, state grants and private loans.

The economic downturn has had an adverse impact on local business activity, with actual expenditures from this account declining from \$779,000 in 2009 to \$21,000 in 2012.

Funding for this program from 2000 through 2012 has been \$500,000 per year with the exception of 2008, 2009 and 2011 when the funding was \$1,000,000, \$337,000, and \$250,000 respectively.

No plan for 2015 was submitted with the request

### Past Proposed Spending Plans

2011	Center St. Marketplace (BID #39)	\$130,000
2011	Bronzeville Phase I & II	\$210,000
2012	Historic King Dr. (BID #8)	\$500,000
2012	Lincoln Avenue/Becher	\$200,000
2013	KK Streetscape	\$250,000
2013	Center Street	\$250,000
2013	Prospect Avenue	\$TBD
2014	Granville Streetscape	\$250,000

### Annual Request

2015	\$600,000
2014	\$600,000
2013	\$800,000
2012	\$500,000
2011	\$500,000

### Six Year Request

2015	\$3,000,000
2014	\$3,600,000
2013	\$3,800,000
2012	\$1,750,000
2011	\$3,000,000

## Tax Incremental Districts

Year	Carryover	New Borrowing	Developer Revenue	Capitalized Interest	Total	% Δ	Actual
<b>2015 Request</b>		<b>\$15,000,000</b>	<b>\$3,500,000</b>		<b>\$18,500,000</b>	<b>(5%)</b>	
2014	56,419,037	15,000,000	3,500,000	1,000,000	19,500,000	33%	
2013	83,336,017	10,000,000	3,685,000	1,000,000	14,685,000	(44%)	
2012	137,942,604	20,000,000	4,251,000	2,000,000	26,251,000	0%	43,471,760
2011	164,297,654	20,000,000	4,251,000	2,000,000	26,251,000	(4%)	21,339,375
2010	164,578,955	10,000,000	4,251,000	1,000,000	27,473,323	(32%)	21,370,902
2009	140,310,308	30,000,000	4,390,000	3,000,000	40,658,614	(37%)	13,967,288
2008	109,6480,810	54,000,000	4,200,000	5,400,000	64,651,000	(13%)	25,125,610
2007	71,151,734	61,992,000	4,200,000	6,888,000	74,480,000		36,807,399
<b>Total</b>		220,992,000	37,728,000	22,288,000	293,949,937		162,082,334
<b>Average</b>		27,624,000	4,081,000	2,786,000	36,743,742		27,013,722

Since 2000, nearly \$438 million has been budgeted for tax incremental districts. Funding has been highly variable ranging from a low of \$8 million to a high of \$74.5 million. Actual expenditures through the end of 2012 have total \$277 million.

The 2015 capital request is for \$15 million in borrowing with an additional \$3.5 million in revenue for a total of \$18.5 million in 2015. The amount of borrowing proposed remains at \$15 million annually through 2020. The revenue estimate increases to \$3.8 million in 2016 and remains at that level through 2020. The total six year request, including revenue, has decreased by \$19.5 million (15%) compared to last year's (2014) request. That There was still a significant amount of carryover borrowing authority remaining at the beginning of 2014.

In early 2012, the Attorney General of the State of Wisconsin issued an opinion on the use of TID funding for street paving work outside TID boundaries. Proposed guidelines will limit this type of funding to street segments which contribute to the redevelopment work funded by the TID Project Plan. Funding will be limited to an amount not to exceed the final year's incremental revenue from the district.

On September 24th the Common Council passed file 130460, and ordinance relating to extending the lives of tax incremental districts to benefit affordable housing in the city and to improve the city's housing stock. The ordinance allows a TID that has paid off all of its projects costs including those related to street paving cost can be extended for one year if certain conditions are met.

No potential TIDs for 2014 or 2015 were identified in the submitted requests.

The 2012 Annual report for the City's Tax Incremental Districts can be found in Common Council File 130269.

### Annual Request

	Borrowing	Revenue	Total
2015	\$15,000,000	\$3,000,000	\$18,500,000
2014	\$15,000,000	\$4,500,000	\$19,500,000
2013	\$38,500,000	\$3,680,000	\$42,185,000
2012	\$22,000,000	\$3,775,000	\$25,775,000
2011	\$48,751,000	\$0	\$48,751,000



**Six Year Request History**

	Borrowing	Revenue	Total
2015	\$90,000,000	\$22,500,000	\$112,500,000
2014	\$105,000,000	\$27,000,000	\$132,000,000
2013	\$231,000,000	\$22,110,000	\$253,110,000
2012	\$132,000,000	\$22,650,000	\$154,650,000
2011	\$235,701,000	\$0	\$235,701,000

Title	Positions	FTE	Amount
Development and Environmental Manager	1	0.2	\$18,512
Sr. Economic Development Spec	1	0.25	\$16,404
<b>Total</b>	<b>2</b>	<b>0.45</b>	<b>\$34,916</b>

**Advance Planning**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$150,000</b>		
2014		150,000			150,000	0%	
2013		150,000			150,000	(14%)	
2012		175,000			175,000	17%	75,067
2011		150,000			150,000	(14%)	141,873
2010		175,000			175,000	40%	76,576
2009		125,000			125,000	(38%)	202,291
2008		200,000			200,000	14%	246,856
2007		175,000			175,000		91,535
<b>Total</b>		<b>1,300,000</b>			<b>1,300,000</b>		<b>834,198</b>
<b>Average</b>		<b>162,500</b>			<b>162,500</b>		<b>139,033</b>

This program provides funding for various DCD studies, including market analyses for local business corridors, feasibility studies for new developments, land use planning studies, comprehensive plan updates and redevelopment plans for specific neighborhoods. No plan for 2015 was submitted with the request

Proposed Activities	2015	2014	2013	2012
Comprehensive Area Plan Implementation	\$	\$	\$50,000 <sup>4</sup>	\$50,000 <sup>1</sup>
Professional Development (conferences etc.)	\$	\$	\$12,000	\$12,000
Software & GIS licensing	\$	\$	\$8,000 <sup>2</sup>	\$7,500 <sup>2</sup>
Graduate Students and Scholar	\$	\$	\$50,000	\$38,000
Market/Data Analysis	\$	\$	\$43,000 <sup>5</sup>	\$25,000 <sup>3</sup>
GIS consultant for 2010 census data	\$	\$	\$30,000	
Other	\$	\$	\$12,000	\$12,500

<sup>1</sup> Downtown Catalytic Projects and strategic land use plans

<sup>2</sup> ArcView software and licenses

<sup>3</sup> Citywide Industrial

<sup>4</sup> Update Fond Du Lac Avenue & North Avenue Plan

<sup>5</sup> Northwest side Industrial land use analysis

The 2015 capital request is for \$150,000 per year through 2020.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$150,000	2015	\$900,000
2014	\$150,000	2014	\$900,000
2013	\$175,000	2013	\$1,050,000
2012	\$175,000	2012	\$1,050,000
2011	\$175,000	2011	\$1,050,000

<b>Title</b>	<b>Positions</b>	<b>FTE</b>	<b>Amount</b>
Graduate Intern	4	2	\$40,000

### Healthy Neighborhoods Initiative

<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
<b>2015 Request</b>					<b>\$150,000</b>		
2014	100,000				0		
2013		50,000	100,000		150,000	(25%)	
2012		100,000	100,000		200,000	0%	140,126
2011			200,000		200,000	0%	121,803
2010			200,000		200,000	0%	58,739
2009	150,000		200,000		200,000	0%	200,000
2008			200,000		200,000		200,000
<b>Total</b>		150,000	100,000		1,150,000		720,668
<b>Average</b>			166,667		164,286		144,134

This program provides matching funds for privately raised funds used to make small scale improvements in nine designated Healthy Neighborhoods. The purpose of the Healthy Neighborhoods initiative is to encourage homeowner investment and aesthetic improvements in strong urban neighborhoods. The goal is to achieve positive outcomes in four areas: image, market, physical condition and neighborhood management.

This initiative was first funded in 2008. This program has received an average of \$164,000 in funding each year. No funding was provided in 2014

The Greater Milwaukee Foundation also provides funds to support the Healthy Neighborhoods Initiative. DCD does not track the amount of the contributions because funding goes directly to the outside groups. However, the department estimates that the Foundation contributed over \$300,000 in 2011 and nearly \$400,000 in 2012.

There are nine identified Healthy Neighborhoods: Capitol Heights, Enderis Park, Havenwoods, Johnson's Park, Lincoln Village, Martin Drive, Sherman Park, Silver City, and Thurston Woods.

The Healthy Neighborhood's recent annual reports can be found in Common Council Files 131250 (2013) and 121320 (2012).

#### Neighborhood Sponsors (as of January, 2014)

Capitol Heights	Albright Methodist Church
Enderis Park	Enderis Neighborhood Association
Havenwoods	Havenwoods Economic Development Corp

Johnson's Park Johnsons park Neighborhood Association  
 Lincoln Village Urban Anthropology  
 Martin Drive Martin Drive Neighborhood Association  
 Sherman Park Sherman park Community Association  
 Silver City Layton Boulevard West Neighbors, Inc.  
 Thurston Woods Agape Community Center

<b>Proposed Activities</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
Projects within the neighborhoods	\$50,000	\$100,000	\$90,000
Community improvement projects	\$100,000	\$70,000	\$50,000
Administration		\$30,000	\$10,000
Foreclosure activities			\$50,000

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$150,000	2015	\$900,000
2014	\$150,000	2014	\$900,000
2013	\$200,000	2013	\$1,200,000
2012	\$200,000	2012	\$1,200,000
2011	\$200,000	2011	\$1,200,000

### Housing Infrastructure Preservation Fund

<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
<b>2015 Request</b>					<b>\$450,000</b>		
2014			450,000		450,000	(25%)	
2013			600,000		600,000	(25%)	
2012	699,430		800,000		800,000	168%	404,631
2011	600,000		300,000		300,000	(50%)	835,599
2010			600,000		600,000		2,735
<b>Total</b>			<b>2,750,000</b>		<b>2,750,000</b>		<b>1,242,965</b>
<b>Average</b>			<b>550,000</b>		<b>550,000</b>		<b>414,322</b>

This fund was established by the Common Council in 2010 to provide funds for restoring, rehabilitating or mothballing City owner properties that have been deemed historic or too valuable to the character of the surrounding neighborhood to demolish, but are unlikely to be restored by purchasers.

On November 1, 2013, the Common Council passed file 130736, an ordinance relating to expenditures from the Housing Infrastructure Preservation Fund. The ordinance provides that total expenditures from the Housing Infrastructure Preservation Fund for a single property shall not exceed \$100,000 unless approved by the Special Joint Committee on the Redevelopment of Abandoned and Foreclosed Homes and by the Common Council. The Common Council file also includes a report containing photos of all the home that were in the program at that time.

A list of projects funded by this account in 2012 and 2013 can be found in Common Council File Numbers 121460 and 121405 respectively.

**Annual Request**

2015	\$450,000
2014	\$400,000
2013	\$800,000
2012	\$300,000
2011	\$600,000

**Six Year Request**

2015	\$2,700,000
2014	\$2,400,000
2013	\$2,800,000
2012	\$1,800,000
2011	\$3,600,000

**In rem Property**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,000,000</b>	<b>5%</b>	
2014			1,900,000		1,900,000	1,167%	
2013			150,000		150,000		
2012							94,155
2011			200,000		200,000		36,228
<b>Total</b>			2,250,000		2,250,000		130,383
<b>Average</b>			750,000		750,000		65,192

This program was created in 2011 to fund minor capital repairs (e.g., new roofs, water heaters, etc.) to properties obtained by the City through foreclosure, with the goal of making these properties more marketable for prompt sales. The department has found that most of the costs associated with maintaining and marketing in rem properties do not fall under capital expenditure guidelines and, therefore, cannot be funded with this account. The level of expenditure in 2011 was relatively low, allowing work to be done in 2012 using carryover authority.

As part of the Strong Neighborhood Improvement Plan, the focus of the in rem program was changed in 2014. The Department anticipates that the In Rem Property Program will have three primary activities' in 2014: support for the City's lease to own program, homebuyer assistance loans and rental rehabilitation loans. Of the \$2 million requested, the department anticipates using \$300,000 for the rehabilitation and repair of properties in the City's Tenant Transition to Ownership Project, and using \$1.6 million to fund rehabilitation loans for buyers of city owned properties.

<b>Estimated In Rem Properties</b>			
Budget Request Year	Houses in City Inventory*	Additional Properties Anticipated**	Estimated Year End Inventory
2015	1,000+	600-800	1,600-1,800
2014	1,000	600-800	1,600-1,800
2013	700	600-800	1,300-1,500
2011	558	700	1,258

\*as of the request date (March of the year preceding the Budget Request Year)  
\*\*prior to year end

Common Council File 111511 (3/20/12) directed DCD to create a plan for the conveyance of City-owned housing units to qualified existing tenants. The department has developed guidelines (see Common Council File 120165)

for the proposed plan. Currently the department works with existing tenants that show interest and financial means to purchase properties, but because of staffing limitations does not actively manage a “rent to own” plan.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$2,000,000	2015	\$9,500,000
2014	\$300,000	2014	\$1,500,000
2013	\$150,000	2013	\$900,000
2012	\$200,000	2012	\$1,200,000

### Commercial in rem Property Program

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$500,000</b>		

This is a **new** request for 2015 to fund marketing efforts for City owned commercial properties. As of the request date, the City owned 142 foreclosed, improved commercial properties. Of that number, 117 (82%) have been acquired since 2010. It is expected that more than 80 additional properties will be acquired in 2014 and 2015. Funding has been requested for this program through 2020.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$500,000	2015	\$3,000,000

### Vacant Lot Beautification

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$200,000</b>		
2014		200,000			200,000		
<b>Total</b>		200,000			200,000		

This is a **new** program created by the 2014 Budget. The account will provide funds to install a variety of improvements on vacant lots, including grass, shrubs, trees, raised garden beds and fencing. In addition to beautifying City owned lots, the Department anticipates providing funds to individuals or organizations that purchase vacant lots from the City’s inventory. The department estimates that with the proposed level of funding, between 80 and 100 lots can be improved at an average cost of \$2,000 to \$2,500 each.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$200,000	2015	\$1,200,000

## Façade Program

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$500,000</b>	<b>100%</b>	
2014	1,000,000		250,000		250,000	(50%)	
2013	500,000		500,000		500,000	0%	
2012			500,000		500,000		0
<b>Total</b>			<b>1,250,000</b>		<b>1,250,000</b>		
<b>Average</b>			<b>416,667</b>		<b>416,667</b>		

This ongoing program was created by the 2012 Budget. In addition to assisting with façade improvements, this capital account also funds the Retail Investment Fund (RIF) and the Citywide White Box Program. Prior to 2012, funding for these programs came from the Development Fund capital account. No plan for 2015 spending was submitted with the request.

The six year capital request is for \$500,000 each year through 2020.

Annual Request		Six Year Request	
2015	\$500,000	2015	\$3,000,000
2014	\$250,000	2014	\$2,250,000
2013	\$500,000	2013	\$3,000,000

## Brownfield

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$500,000</b>		
2014	251,773		500,000		500,000		
2013			500,000		500,000		
2012			500,000		500,000		350,017
<b>Total</b>			<b>1,500,000</b>		<b>1,500,000</b>		<b>350,017</b>
<b>Average</b>			<b>500,000</b>		<b>500,000</b>		

This ongoing program was created by the 2012 Budget to provide matching funds for grants. Prior to 2012, funding for brownfield projects came from the Development Fund capital account.

Milwaukee has been selected as one of 16 EPA Brownfields Showcase Communities.

Annual Request		Six Year Request	
2015	\$500,000	2015	\$3,000,000
2014	\$500,000	2014	\$3,000,000
2013	\$500,000 (new)	2013	\$3,000,000

## Updates and Past Requests

### ADA Riverwalk

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013	2,147,513				0		
2012	2,797,171				0		745,421
2011	1,817,628		1,560,257		1,560,257	34%	357,026
2010	724,000		1,167,970		1,167,970	61%	74,342
2009					724,000		
2008							
2007							
<b>Total</b>			2,728,227		3,452,227		1,176,789

The last anticipated budget year for this project was 2011. No request has been received since 2012.

This program provided funding to construct the ramps and lifts necessary to bring the Riverwalk into ADA compliance as directed by the terms of the 2006 settlement with the Department of Justice. The total cost for the project is expected to be approximately \$4.9 million.

Annual Request		Six Year Request	
2011	\$1,560,257	2011	\$1,560,257

### Development Fund

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014	223,419				0		
2013	852,152				0		
2012	4,005,500				0		1,173,364
2011	4,913,500	300,000	1,200,000		1,500,000	43%	1,790,613
2010	6,438,193		1,050,000		1,050,000	(42%)	2,138,894
2009	6,564,778	375,000	1,425,000		1,800,000	0%	1,544,567
2008	6,161,134		1,800,000		1,800,000	(18%)	2,013,4489
2007	6,101,134		2,200,000		2,200,000		1,851,835
<b>Total</b>		675,000	7,675,000		8,350,000		28,633,762

From 2000 through 2011, the Development Fund has received an average of \$1.9 million in funding each year. No funds have been budgeted since 2011. The department has not submitted capital requests since 2011. This program had \$223,000 in carryover borrowing authority at the beginning of 2014. A small amount of borrowing authority (\$414) lapsed at the end of 2013. The façade and brownfield component of this program were spun off into their own separate programs in the 2012 Budget.

Annual Request		Six Year Request	
2012	\$1,500,000	2012	\$9,900,000
2011	\$1,500,000	2011	\$10,800,000





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## Comptroller

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### Financial Records Imaging/Workflow System

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$500,000</b>		

This is a **new** request for 2015. This one year project would purchase a document imaging system

The City's e-vault is an archival quality, city wide storage system that is administered by the Dept. of Administration Business Operations. It is capable of storing print, images, audio and video files. In 2018 the current storage technology will no longer be supported and the next generation of storage technology will need to be implemented. The Dept of Admin estimates that it will take 1-2 years to migrate to the new system.

The upgrade of the storage technology notwithstanding, the City's eVault is a system that is flexible enough and secure enough to manage many of the storage and archival needs for most departments. The development of imaging systems for use by the departments should be considered on an enterprise wide basis.

**Useful Life**      TBD years

**Annual Request**  
2015    \$500,000

**Six Year Request**  
2015    \$500,000



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## Commissions (Fire & Police; Election; ERS etc.)

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### Election Commission - New Voting Equipment

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2015 Request					\$1,700,000		

This is a **new** request for **2015** to replace aging and obsolete voting equipment.

The Commission anticipates purchasing 200 voting machines early in 2015. Their goal is to have the machines in place for the February primary and spring elections. This will allow election workers to become familiar with the machines prior to the 2016 elections which are anticipated to have higher turnouts. The new machines will utilize proven technology and will not have touchscreens.

The request includes approximately \$100,000 for programming software. The Commission estimates that the City has saved \$1.7 million over the last five years by programming voting machines in-house. The request also includes two years of machine maintenance. After two years, maintenance costs will be included in the operating budget. Maintenance is charged on a per machine basis.

The Election Commission is required to use vendors that are certified by the state and federal government. The request is based on a quote from a certified vendor.

Funding will pay for:

- Election equipment at 193 polling places
- 2 Ballot tabulators for processing absentee ballots
- Programming software

**Useful Life**      10 years

**Annual Request**  
2015    \$1,700,000

**Six Year Request**  
2015    \$1,700,000

## Fire & Police Commission Office Remodeling

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014			150,000		150,000		
2013	0				0		
2012	150,000				0		1,771
2011	150,000				0		
2010	150,000				0		
2009			150,000		150,000		
<b>Total</b>			300,000		300,000		1,771

This project was originally funded in the 2009 Budget. Space was allocated for the F&P Commission on the 10th Floor of the ZMB where the City Attorney's Office is now located. Because of delays in moving the City Attorney back to City Hall, funding for the project lapsed. **\$150,000 was provided in the 2014 Budget.**

The F&P commission discussed moving temporarily to the 8th Floor of City Hall while a final determination about the use of the floor is made. In order to be cost effective, the temporary placement would have to be for at least two years.

**Annual Request**  
2014 \$150,000

**Six Year Request**  
2014 \$150,000

## Fire Department

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$9,372,000*</b>	<b>111%</b>	
2014					4,437,000	30%	
2013	6,213,485		3,403,000		3,403,000	(1%)	
2012	4,728,509		3,424,000		3,424,000	12%	1,593,259
2011	5,398,322		3,064,000		3,064,000	(24%)	3,354,721
2010	5,219,579		4,056,000		4,056,000	44%	1,162,095
2009	6,462,564		2,807,500		2,807,500	(12%)	2,666,580
2008	6,104,000	86,000	3,122,000		3,208,000	10%	3,915,075
2007	7,446,516	100,000	2,818,000		2,918,000		2,118,070
<b>Total</b>		186,000	22,694,500		27,317,500		14,809,800
<b>Average</b>		93,000	3,242,071		3,414,688		2,468,300

\*The 2015 total excludes the two alternate repair shop proposals.

### 2015 Capital Request

The Fire Department (MFD) has submitted seven capital requests. Three are for on-going programs. One is for a remodeling project on the 3<sup>rd</sup> floor at the Fire Department headquarters. The remaining three are proposals to address the repair and maintenance needs for the department's apparatus.

The six year total for all submitted requests is \$56,875,000. Without the two alternate repair shop proposals, the total is \$40,525,000 which represents an increase of \$685,000 (1.7%) from last year's six year request.

The six year request for engines has been reduced by two engines from the 2014 six year request. Reductions in the major capital equipment request have been offset by an increase in the Fire Facilities Maintenance request and the inclusion of the 3<sup>rd</sup> Floor HQ Remodeling project.

The six year request for Fire Facilities Maintenance has increased by \$920,000 (20%) from the 2014 six year request.

## Major Capital Equipment

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$3,088,000</b>	<b>38%</b>	
2014	2,372,888		2,232,000		2,232,000		
2013	5,203,256		2,230,000		2,230,000	(21%)	
2012	2,964,726		2,814,000		2,814,000	(1%)	1,378,790
2011	2,923,557		2,854,000		2,854,000	1%	2,010,336
2010	2,974,582		2,821,000		2,821,000	62%	667,799
2009	4,995,046		1,745,000		1,745,000	(26%)	2,230,113
2008	3,354,000		2,362,000		2,362,000	(4%)	3,585,953
2007	4,422,000		2,458,000		2,458,000		917,920
<b>Total</b>			19,516,000		19,516,000		10,790,911
<b>Average</b>			2,439,500		2,439,500		1,798,485

This program provides for the replacement of major fire-fighting equipment and apparatus, including ambulances, fire engines and ladder trucks. Funding for this program rose significantly from 2002 through 2005 and then declined steadily until 2009. Since 2009, annual funding has been more consistent. At the beginning of 2014, this program had over \$2.4 million in carryover authority. Carryover amounts are often related to the long lead times that are associated with purchasing fire fighting apparatus.

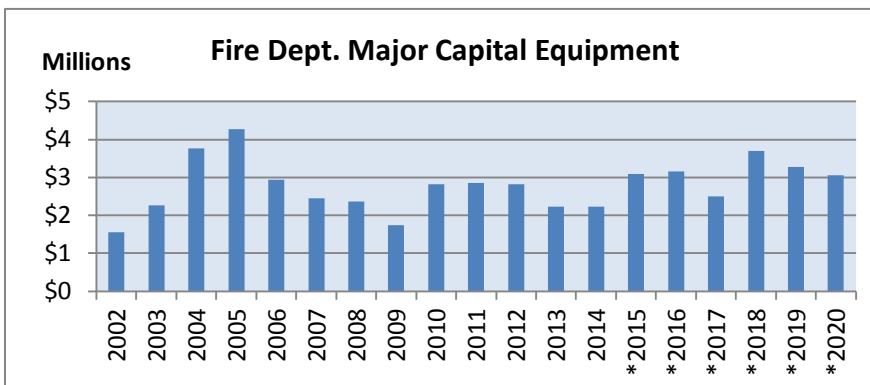
### Request Summary - 2015

2015	\$3,088,000
2016	\$3,159,000
2017	\$2,499,000
2018	\$2,695,000
2019	\$3,284,000
2020	<u>\$3,050,000</u>
<b>Total</b>	<b>\$18,775,000</b>

Stable funding in this account will allow the department to replace equipment each year and will create a smooth age distribution throughout the fleet, while variable funding can create the need for large capital expenditures in future years.

Changes to EPA regulations requiring a reduction in emissions for diesel engines have reduced the purchasing power of the funding provided for this program. Based on quotes received by the department, the new regulations have added approximately 5% to the cost of ladder trucks and 7% to the cost of engines.

The department maintains a fleet of equipment that includes 43 engines (33 frontline and 10 reserve). This is a reduction from 36 frontline and 14 reserve engines. The department also maintains 22 ladder units (15 frontline and 7 reserve) and 20 medical units (15 frontline and 5 reserve).



The NFPA recommends shifting frontline firefighting apparatus to reserve status at 15 years. To maintain this replacement cycle for the active fleet, the budget should provide enough funding to purchase, on average, 2.2 engines and one ladder unit per year. To maintain a 5 year replacement cycle for med units the budget should provide for 3 med units

per year.

The six year request for major capital equipment is \$18,775,000 and represents a decrease of \$485,000 (2.5%) from last year's six year request. The department has reduced its request by 2 engines over each six year cycle. If engines are acquired uniformly over time, the proposed purchasing schedule will provide a replacement cycle for newly acquired engines that is within the NFPA guidelines.

Fire – Major Capital Equipment			
	Frontline	Reserve	Total
Engines	33	10	43
Ladder Units	15	7	22
Medical Units	15	5	20
<b>Total</b>	<b>63</b>	<b>22</b>	<b>85</b>

6 Year - Dept. Proposed - Capital Equipment Purchases - 2015							
	2015	2016	2017	2018	2019	2020	Total
Engines	2	3	2	2	3	2	14
Ladder Units	2	1	1	2	1	1	8
Medical Units	2	3	2	3	2	3	15
<b>Total</b>	<b>6</b>	<b>7</b>	<b>5</b>	<b>7</b>	<b>6</b>	<b>6</b>	<b>37</b>

MFD Major Equipment Acquisitions										
	2006	2007	2008	2009	2010	2011	2012	2013	2014 <sup>2</sup>	Total
Engines	3	0	8	0	3	3	0	7	2 <sup>2</sup>	26
Ladder Units	6 <sup>1</sup>	0	0	0	1	1	1	2	0 <sup>2</sup>	11
Med Units	3	3	3	0	5	0	3	6	3 <sup>2</sup>	25
<b>Total</b>	<b>12</b>	<b>3</b>	<b>11</b>	<b>0</b>	<b>9</b>	<b>4</b>	<b>4</b>	<b>15</b>	<b>5<sup>2</sup></b>	<b>62</b>

<sup>1</sup> Includes 2 Tower Ladder Units

<sup>2</sup> Anticipated to be received in 2014

**Annual Request**

2015	\$3,088,000
2014	\$2,970,000
2013	\$2,230,000
2012	\$2,814,000
2011	\$2,854,000

**Six Year Request**

2015	\$18,775,000
2014	\$19,260,000
2013	\$19,615,000
2012	\$23,382,496
2011	\$20,210,676

**Fire Facilities Maintenance Program**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$1,374,000</b>	<b>10%</b>	
2014	1,302,936		1,245,000		1,245,000	17%	
2013	881,098		1,063,000		1,063,000	112%	918,700
2012	1,176,232		500,000		500,000	400%	179,488
2011	1,676,235		100,000		100,000	(91%)	1,049,593
2010	712,500		1,125,000		1,125,000	58%	164,843
2009			712,500		712,500		10,602
2008					**		**
2007					**		**
<b>Total</b>			4,745,500		4,745,500		1,404,526
<b>Average</b>			790,917		790,917		351,132

\*\*Prior to 2009, expenditures for the maintenance of engine houses were made from various capital accounts including the Interior Building Maintenance, Mechanical Systems Maintenance, Exterior Building Maintenance and Ventilation System and Window Replacement account. Combining these capital accounts provides more flexibility to the department to complete the most pressing maintenance concerns.

This program funds the repair and maintenance of internal, external and mechanical systems for the Fire Department's 36 engine houses. The total six year request is \$920,000 greater than in 2014. The average annual request is \$915,000, approximately \$25,400 per engine house per year.

<b>Request Summary - 2015</b>	
2015	\$1,374,000
2016	\$725,000
2017	\$1,294,000
2018	\$778,000
2019	\$567,000
2020	<u>\$752,000</u>
<b>Total</b>	<b>\$5,490,000</b>

<b>Proposed Plan</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>Proposed Locations (for 2015)</b>
Interior Surfaces <sup>1</sup>	\$86,000				
Ventilation	\$100,000				
Flooring		\$90,000	\$40,500	\$27,810	
Roofs	\$250,000	\$296,000	\$621,000	\$886,400	E13 E16
HVAC	\$150,000 <sup>2</sup>	\$60,000	\$7,700	\$39,784	E27 E35 E36 E37 E38
Boilers		\$150,000	\$25,700	\$26,523	E28
Electrical			\$45,000	\$46,350	
A/C		\$24,000	\$24,700	\$26,225	E10
Tuckpointing			\$132,000	\$108,768	E16 E28 E36
Paint		\$105,000	\$77,300	\$10,250	E1 E9
Overhead Doors	\$25,000	\$38,000	\$7,800	\$32,251	E2 Admin E10 E30
Windows	\$100,000	\$93,600	\$48,200	\$49,650	E24
Doors		\$96,000	\$49,400	\$76,385	E38
Mold		\$40,000	\$123,600	0	
Concrete	\$50,000	\$70,000	\$41,200	\$42,745	
Apparatus floor <sup>3</sup>				0	
Water heater <sup>3</sup>					E8 E17 E22 E29 E31 E32 E38
Foundation <sup>3</sup>				0	E8 E17

<sup>1</sup> Includes flooring, lighting and environmental remediation

<sup>2</sup> Combined boiler and HVAC

<sup>3</sup> Funding for these activities is included in other categories.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$1,374,000	2015	\$5,490,000
2014	\$1,245,000	2014	\$4,570,000
2013	\$1,063,000	2013	\$4,244,000
2012	\$761,250	2012	\$4,799,680
2011	\$761,300	2011	\$4,800,200

### Auxiliary Power Supply

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
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<b>2015 Request</b>					<b>\$110,000</b>		
2014	330,000		110,000		110,000	0%	
2013	349,000		110,000		110,000	0%	
2012	277,551		110,000		110,000	0%	0
2011	288,530		110,000		110,000	0%	38,342
2010	299,336		110,000		110,000	10%	228,656
2009	200,000		100,000		100,000	0%	0
2008	100,000		100,000		100,000	0%	(21,074)
2007			100,000		100,000	0%	34,867
<b>Total</b>			850,000		850,000		280,791
<b>Average</b>			106,250		106,250		46,799

This program provides funding for the purchase and installation of backup generators at each of MFD's 36 engine houses. The generators are customized for each location, resulting in costs that may vary significantly by site. The cost of copper and the complexity of the installation are the key drivers of installation costs. Generally, this level of funding will replace one or two generators each year.

As of March 2014, auxiliary generators have been installed at the following engine houses:

Eng. 2 755 N. James Lovell Ave	Eng. 14 6074 S. 13th Street	Eng. 31 2400 S. 8th Street
Eng. 3 100 W Virginia Street	Eng. 16 10320 W. Fond Du Lac Ave	Eng. 32 1551 N 30th Street
Eng. 4 9511 W Appleton Avenue	Eng. 18 3626 N. Holton Street	Eng. 35 100 N. 64th Street
Eng. 5 1313 W Reservoir Avenue	Eng. 23 2130 W. Oklahoma Ave	Eng. 36 4060 N. 27th Street
Eng. 9 4141 W Mill Road	Eng. 25 300 S. 84th Street	Eng. 37 5335 N. Teutonia Ave
Eng. 12 1400 N 9 Street	Eng. 29 3541 S. 84th Street	Eng 38 8463 N. Granville Road
Eng. 13 2901 N. 30th Street	Eng. 30 2903 N. Teutonia Ave	Eng 39 8025 W Bradley Road

Installation began in 2013 at the following engine houses:

Eng. 8	5585 N. 69th Street
Eng 21	2050 N. Palmer
Eng. 24	4927 W. Fiebrantz Avenue

These engines are scheduled for installation in 2014

Eng. 17	4653 S. 23 Street
Eng 7	3174 S Chase Avenue
Eng 11	2526 S Kinnickinnic Avenuenue

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$110,000	2015	\$660,000
2014	\$110,000	2014	\$660,000
2013	\$110,000	2013	\$660,000
2012	\$110,000	2012	\$660,000
2011	\$110,000	2011	\$740,000

## Fire Repair Shop – Land Acquisition, Design & Construction

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$4,300,000</b>		
2014					0		
2013	96,131						
2012	250,000						35,011
2011	250,000						
2010	250,000						
2009			250,000		250,000		
2008	1,675,000						
2007	1,675,000						
<b>Total</b>			250,000		250,000		35,011

The MFD believes that the construction of a new repair facility for firefighting apparatus could result in significant savings, primarily through operational efficiencies and a reduction in the need to utilize outside vendors to facilitate repairs. The department submitted a request for the 2011 budget of \$5,945,000 to construct a new repair facility adjacent to the existing facility on S. 1st Street and W. Virginia Street. That request was not funded. It was not re-submitted for 2012.

<b>Request Summary - 2015</b>	
2015	\$4,300,000
2016	\$7,400,000
2017	\$3,400,000
2018	\$0
2019	\$0
2020	\$0
Total	\$15,100,000

While the garage proposed in 2011 at the Virginia Street site provided an improved repair space, it did not address all the functional deficiencies at the existing repair facility. The department has developed a comprehensive plan for a new facility that would maximize efficiencies for vehicle repair, department shops, apparatus storage and energy use. The Fire Department is working with other City departments to identify an appropriate parcel of land on which to locate the new repair facility. The department has completed conceptual designs and cost estimates.

The Fire Dept. submitted a request for the 2014 Budget for \$14,500,000 of funding over three years. (2014, 2015, and 2016). The project was not funded in the 2014 Budget. The total project cost as requested in 2015 has increased by \$600,000 (4%).

If funding is not provided for a new repair shop, and the existing shop remains in long term use, significant capital maintenance will be required. The department has submitted two capital requests, one for upgrades to the existing facility and one for the design and construction of an Annex. Both requests are phased over three years. The cost of upgrades to the existing facility is estimated to be \$5,650,000 and the cost of the Annex is estimated to be \$10,700,00 for a combined total of \$16,350,000. Current cost estimates for the proposed upgrades were attached to the 2015 capital request.

(See the table below for a cost comparison of the three alternate requests.)

**Useful Life**            75 years

**Annual Request**

2015	\$4,300,000
2014	\$4,100,000
2011	\$5,975,000

**Six Year Request**

2015	\$15,100,000 (3 year project)
2014	\$14,500,000 (3 year project)
2011	\$5,975,000 (1 year project)

## Fire Shop Annex Design and Construction

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,900,000</b>		

This is an alternate proposal to the construction of a new Fire Repair Garage. \$2,900,000 represents the first year of funding in a three year project. The total estimated project cost is \$10,700,000. Detailed cost estimates were included with the request.

(See the table below for a cost comparison of the three alternate requests.)

<b>Annual Request</b>	<b>Six Year Request</b>
2015 \$2,900,000	2015 \$10,700,000

## Fire Repair Shop - Existing Facility Upgrade

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$950,000</b>		

This is an alternate proposal to the construction of a new Fire Repair Garage. \$950,000 represents the first year of funding in a three year project. The total estimated project cost is \$5,650,000. Detailed cost estimates were included with the request. This proposal is essentially the same as the request made in 2011.

(See the table below for a cost comparison of the three alternate requests.)

<b>Annual Request</b>	<b>Six Year Request</b>
2015 \$950,000	2015 \$5,650,000

Cost Comparison for Fire Shop Alternatives				
	Annex	Upgrade Existing Facility	Combined Alternatives	New Shop
2015	\$2,900,000	\$950,000	\$3,850,000	\$4,300,000
2016	\$5,900,000	\$2,700,000	\$8,600,000	\$7,400,000
2017	\$1,900,000	\$2,000,000	\$3,900,000	\$3,400,000
<b>Total</b>	<b>\$10,700,000</b>	<b>\$5,650,000</b>	<b>\$16,350,000</b>	<b>\$15,100,000</b>

## Fire Remodeling – 3<sup>rd</sup> Floor Headquarters

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2015 Request					\$500,000	%	

This is a **new** request for 2015 for a one year project to remodel the Fire Dept. Administration offices. A cost estimate and a proposed floor plan were submitted with the 2015 capital request.

<b>Annual Request</b>	<b>Six Year Request</b>
2015 \$500,000	2015 \$500,000

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### *Updates and past Requests*

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## Regional Video Conferencing

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014		170,000		680,000	850,000		
<b>Total</b>		170,000		680,000	850,000		

This was a new request in 2014 for a one year program to install video conferencing equipment in all 36 engine houses, the Fire Academy and the Fire Chief's conference room. Funding for this request will provide the 20% match for the grant that was jointly applied for by several area departments. MFD will be partnering with the fire departments from Cudahy, Franklin, Greendale, Greenfield, Hales Corners, Milwaukee County, North Shore, Saint Francis, South Milwaukee, Wauwatosa and West Allis. **The project was funded in 2014. No additional funding has been requested.**

The full cost of the system is anticipated to be \$850,000. Annual savings are estimated to be \$70,000 in personnel and \$10,000 in fuel costs. These savings will be partially offset by annual maintenance costs which are expected to be between \$40,000 and \$50,000 for at least the first three years. Web subscription fees were included in the cost of annual maintenance. After three years, the department plans to host the training internally which will eliminate the subscription fees from the annual maintenance costs. There are no separate fees for training services. Annual maintenance fees are based on the equipment being supported not the level of usage.

System equipment will include 61 video conferencing systems with H.323/460 CODEC, microphones, cameras and HD resolution cables; 42" LCD monitors with mounting hardware, cable, converters, and misc. hardware; 52 media carts to allow video conferencing to be moved to a space appropriate for the type of training. Eight large training rooms will have AV support equipment with projection display, speakers and microphones.

The department has estimated that the system will have a seven year useful life. Replacement schedules for the various components of the system have not been developed yet. The department anticipates the need for future capital funding to replace at least a portion of the system.

The department currently uses web based training in groups of four to eight employees using computers that were designed and configured for individual training. These computers are typically set up in areas that cannot easily

accommodate larger groups. In order to be seen by the instructor, trainees often have to sit so far from the computer that they can't read the information on the screen. The training is often of poor quality and technical difficulties often require training sessions to be rescheduled.

The new video conferencing system will have cameras and monitors designed to accommodate groups. Instructors will be able to teach from a classroom setting instead of from their desks, allowing them to use visual aids and demonstrate hands on procedures. MPD staff will be trained to resolve technical issues allowing for faster resolution of problems and expediting training.

**Useful Life**        7 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2014	\$850,000*	2014	\$850,000

\*includes \$680,000 of anticipated grant funding

## **Apparatus Floor Survey**

No capital funding has been requested to make repairs to apparatus floors in 2015.

Twelve fire stations have basement space below the apparatus floor where equipment is stored. The increased size and weight of ladder trucks and engines raises concerns about the structural integrity of the flooring where the equipment is parked. The results of this study will influence future capital requests for this program.

Phase I of the study, which included a visual inspection of the 12 stations with basements, has been completed. The study determined that 8 of the stations require further investigation or repair. The amount of distress at these stations was classified as "severe" or "urgent". One station was rated severe. Temporary shoring has been installed to ensure the safety and stability of the floors.

A consultant was hired to perform Phase II of the study which will complete more rigorous investigations of the floors to determine their structural integrity and the necessity of repairs. A forensic structural engineer took core samples and performed crush testing as well as chemical analysis. Preliminary results indicate that the floor at Engine 6 (Franklin and Brady) which has been shored because of concerns about the floors safety, does not appear to be in danger of imminent collapse. The full chemical study is still underway. The results from the chemical analysis may affect long term capital plans for the department. Cost estimates will be formulated once the extent of the repairs is known. It is anticipated that a capital request will submitted at that time.

The average age of the 8 stations which require further evaluation is over 90 years. Consideration should be given to the overall condition of the building when determining corrective actions for these facilities.

## MFD Engine House Locations

Engine #	Address	Year Constructed	Age
Engine 01	784 N Broadway	1872	142
Engine 02	755 N James Lovell	1962	52
Engine 03	100 W Virginia St	1900	114
Engine 04	9511 W Appleton Ave	1976	38
Engine 05	1313 W Reservoir Ave	1969	45
Engine 06	1693 N Franklin Pl	1946	68
Engine 07	3174 S Chase Ave	1950	64
Engine 08	5585 N 69 St	1958	56
Engine 09	4141 W Mill Rd	1978	36
Engine 10	5600 W Oklahoma Ave	1954	60
Engine 11	2526 S Kinninckinnic Ave	1964	50
Engine 12	1400 N 9 St	1954	60
Engine 13	2901 N 30 St	1927	87
Engine 14	6074 S 13 St	1978	36
Engine 16	10320 W Fond Du Lac Ave	1990	24
Engine 17	4653 S 13 St	1959	55
Engine 18	3626 N Holton St	1981	33
Engine 21	2050 N Palmer St	1894	120
Engine 22	8814 W Lisbon Ave	1953	61
Engine 23	2130 W Oklahoma Ave	1996	18
Engine 24	4927 W Fiebrantz Ave	1967	47
Engine 25	300 S 84 St	1983	31
Engine 26	1140 S 26 St	1904	110
Engine 27	2647 N Barlett Ave	1904	110
Engine 28	424 N 30 St	1904	110
Engine 29	3541 S 84 St	1985	29
Engine 30	2903 N Teutonia Ave	1912	102
Engine 31	2400 S 8 St	1912	102
Engine 32	1551 N 30 St	1985	29
Engine 33	4515 W Burnham	2010	4
Engine 34	6205 W Burleigh St	1949	65
Engine 35	100 N 64 St	1998	16
Engine 36	4060 N 27 St	1997	17
Engine 37	5335 N Teutonia Ave	1981	33
Engine 38	8463 N Granville Rd	1965	49
Engine 39	8025 W Bradley Rd	1977	37

## Health Department

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$833,675</b>	<b>96%</b>	
2014			425,000		425,000	(2%)	
2013	577,563		435,000		435,000	(3%)	
2012	1,028,829		450,000		450,000	309%	94,830
2011	927,750		110,000		110,000	10%	430,626
2010	2,305,822	50,000	50,000		100,000	(88%)	219,590
2009	2,065,588		864,000		864,000	8%	1,451,270
2008	1,672,907		800,000		800,000	68%	408,087
2007	1,760,552	25,000	451,000		476,000		452,239
<b>Total</b>		75,000	3,585,000		3,660,000		3,056,642
<b>Average</b>			448,245		457,500		509,440

### 2015 Capital Request

The Health Department has submitted one capital request for the 2015 Budget.

The total six year request is \$2,131,629 and represents a decrease of \$1.43 million (40%) from last year's six year request.

The \$50,000 of tax levy funding in 2010 was for the Data Repository project. The \$25,000 of tax levy funding in 2007 was for the Public Health Information Network.

### Health Facilities Capital Projects

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$833,675</b>	<b>96%</b>	
2014	831,663		425,000		425,000	(2%)	
2013	577,563		435,000		435,000	(3%)	
2012	137,558		450,000		450,000	309%	0
2011	30,594		110,000		110,000	120%	7,493
2010			50,000		50,000		19,406
<b>Total</b>			1,470,000		1,470,000		26,899
<b>Average</b>			294,000		294,000		8,966

This program provides funding for interior, exterior and mechanical repairs and improvements in the Health Department facilities.

Since 2010 this program has received nearly \$1.5 million in capital funding. Prior to 2010 capital projects were funded with three separate capital programs; Mechanical Systems, Exterior Building and Interior Building. Since 2000 these three accounts have received \$1.6 million, \$2.5 million and \$1.9 million in funding respectively. In 2012 these accounts had a combined carryover authority of just over \$1 million. As of 2013 no further carryover authority remains in those accounts.

In 2013, DPW did an inspection and analysis of the building maintained by the Health Department and found them to be in good condition. The department's 2015 capital request follows the recommendations in DPW's FCAP report which was attached to the capital request.

The majority of funding in 2012 and 2013 was used for a window replacement project at the South Side Health Center which was completed in October 2013.

The 2015 request does not include funding for annual testing and maintenance for generators, sprinklers and elevators.

<b>Request Summary – 2015</b>	
2015	\$833,675
2016	\$237,968
2017	\$223,480
2018	\$324,811
2019	\$336,762
2020	<u>\$174,933</u>
<b>Total</b>	<b>\$2,131,629</b>

**2015 Anticipated Projects**

**Exterior**

Roof repairs (NWHC garage)	\$190,000	<b>\$190,000</b>
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**Mechanical**

Building Automated System (SSHC)	\$66,000	
Building Automated System (Keenan)	\$300,000	
Building Automated System *NWHS)	\$150,000	
Air Handling (NWHC)	\$40,000	
Air Conditioner (NWHC)	\$45,000	
Water heater replacement (SSHC)	\$17,000	
Lab ventilation system maintenance	\$25,675	<b>\$643,675</b>

<b>Interior</b>	\$0	<b>\$ 0</b>
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<b>Total</b>		<b>\$833,675</b>
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**Annual Request**

2015	\$833,675
2014	\$680,000
2013	\$485,000
2012	\$450,000
2011	\$450,000

**Six Year Request**

2015	\$2,131,629
2014	\$3,565,000
2013	\$3,465,000
2012	\$3,333,000
2011	\$3,503,000



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## *Updates and Past Requests*

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### **Data Repository**

<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
2014							
2013							
2012							17,932
2011							31,559
2010		50,000			50,000		509
<b>Total</b>		50,000			50,000		50,000

This project initially received funding in 2010. The Health Department requested \$50,000 in 2012 to continue the project whose purpose is to consolidate various sources of Health Department data. The consolidation of this data will allow for more timely and consistent data retrieval and reporting. Because of the amount of data and the complexity of the system the project would be implemented over several years. The Health Department anticipated requesting \$50,000 in each of the next five years. This project did not receive funding in 2012. No request has been submitted since 2012.

**Annual Request**  
2012    \$50,000

**Six Year Request**  
2012    \$300,000



## Library

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$9,075,000</b>	<b>168%</b>	
2014		90,000	3,293,000		3,383,000	(10%)	
2013	5,061,755		3,743,000		3,743,000	45%	
2012	3,462,418		2,577,000		2,577,000	2%	1,450,566
2011	5,610,774		2,526,000		2,526,000	(38%)	5,015,122
2010	5,920,456		4,075,000		4,075,000	(3%)	2,579,639
2009	2,854,190		4,144,000	50,000	4,194,000	239%	2,264,288
2008	1,981,189		1,238,000		1,238,000	49%	1,089,006
2007	3,078,560	40,000	790,000		830,000		757,677
<b>Total</b>							
<b>Average</b>							

### 2015 Capital Request

The Library has submitted seven capital requests for consideration for the 2015 Budget.

The total six year request is \$32,261,350 and represents a decrease of \$12.3 million (27%) from last year's six year request.

\$4,300,000 was requested for the Library Facility Initiative in 2015 for the development of mixed use libraries. A total of \$17.8 million was requested over six years.

\$2.75 million was requested for the Neighborhood Libraries to renovate the interior of Tippecanoe.

### Central Library Improvements Fund

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,025,000</b>	<b>30%</b>	
2014			1,558,000		1,558,000	(21%)	
2013	1,820,982		1,968,000		1,968,000	48%	
2012	565,158		1,327,000		1,327,000	152%	687,203
2011	818,411		526,000		526,000	(36%)	543,979
2010			825,000		825,000		842,471
2009							*1,205,532
2008							
2007							
<b>Total</b>			6,205,000		6,204,000		2,073,653
<b>Average</b>			1,240,800		1,240,800		691,218

The Library makes three separate requests for the Central Library. The Central Library Interior segment, which provides funding for the restoration, preservation and renovation of the interior of the Central Library. Work includes repairs to mosaic tile and scagliola in the rotunda, renovation, upgrades and modernization as well as general repair and maintenance. The Central Library Exterior segment, which provides funding for the

maintenance and repair of the exterior façade of the Central Library which includes limestone block and balusters, Chicago brick, marble block, windows, lighting and roofs. And the Central Library Mechanical Improvements segment, which provides funding for the Central Library’s equipment and systems (HVAC, electrical, building controls, fire safety, security and elevators).

Since 2010, these requests have been budgeted in a general Central Library Improvements account. Since 2000, the City has invested \$14.2 million in capital improvements at the Central Library.

**2015 - 6 Year Request**

**Mechanical**

2015	- Air handler; Upgrade fire alarm (cont’d)	\$1,050,000	
2016	- 350 ton Chiller	\$664,350	
2017	- Air handlers (3)	\$2,530,000	
2018	- Upgrade elevator	\$530,000	
2019	Upgrade elevator	\$532,000	
2020	Air Handlers (2)	<u>\$144,350</u>	
	(Decrease of \$869,300 (13.5%) from the 2014 request)		<b>\$5,550,700</b>

**Exterior**

2015	- Masonry repairs – Annex, roof replacements	\$450,000	
2016	- Masonry repairs – Annex, roof replacements	\$435,650	
2017	- Roof replacements	\$500,000	
2018	- Roof replacements	\$750,000	
2019		\$0	
2020		<u>\$0</u>	
	(Decrease of \$35,600 (1.5%) from the 2014 request)		<b>\$2,135,650</b>

**Interior**

2015	- Carpet & painting in Business, Science and Tech	\$525,000	
2016	- Repair/repaint rotunda dome	\$500,000	
2017	-	\$200,000	
2018	- Repair/repaint rotunda dome	\$600,000	
2019	- Carpet in Art/Music Room and upgrade Humanities staff area	\$1,400,000	
2020		<u>\$800,000</u>	
	(Increase of \$400,000 (11%) from the 2014 request)		<b><u>\$4,025,000</u></b>
			<b>\$11,711,350</b>

**Annual Request**

	<u>Mechanical</u>	<u>Exterior</u>	<u>Interior</u>	<u>Total</u>
2015	\$1,050,000	\$450,000	\$525,000	\$2,025,000
2014	\$1,028,000	\$130,000	\$400,000	\$1,558,000
2013	\$1,028,000	\$140,000	\$800,000	\$1,968,000
2012	\$237,000	\$100,000	\$800,000	\$1,137,000
2011	\$226,000	\$100,000	\$400,000	\$726,000

**Six Year Request History**

	Mechanical	Exterior	Interior	Total
2015	\$5,550,700	\$2,135,650	\$4,025,000	\$11,711,350
2014	\$6,420,000	\$2,280,000	\$3,625,000	\$12,325,000
2013	\$6,816,000	\$2,420,000	\$3,025,000	\$12,261,000
2012	\$6,523,000	\$1,760,000	\$3,250,000	\$11,533,000
2011	\$4,200,000	\$1,360,000	\$3,450,000	\$9,010,000

Title	Positions	FTE	Amount
Business Operations Manager	0.2	0.2	\$30,000
Facilities Manager	0.15	0.15	\$14,350

**Neighborhood Library Improvements (Interior, Exterior, Mechanicals)**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,750,000</b>		
2014					0		
2013			1,475,000		1,475,000		
2012	287,439						24,735
2011	291,064						287,494
2010	497,922						163,924
2009	1,056,456						247,703
2008	983,528		295,000		295,000	(13%)	476,410
2007	2,105,899	40,000	300,000		340,000		262,371
<b>Total</b>		40,000	2,070,000		2,110,000		1,462,637
<b>Average</b>							

Since 2000, \$5,755,000 in capital funding has been budgeted in the Neighborhood Library Improvements capital account for maintenance and improvements at the 12 neighborhood libraries. Five branch libraries are currently in need of new HVAC systems. Four of those neighborhood libraries are scheduled to be replaced; Forest Home, Mill Road, Capitol and M.L. King. Forest Home and Mill Road are requested for construction in 2015. Development (site selection and RFP) will begin in 2015 for Capitol and M.L King

The replacement of the HVAC system (\$875,000) at Tippecanoe and the installation of a vending library (\$275,000) at the Westlawn Housing Development which were funded in 2013 are still under development.

**2015 6 Year Request**

<b>Mechanicals</b>	\$0
<b>Exterior</b>	
2020 – Replace roof at Tippecanoe & Zablocki	\$400,000
<b>Interior</b>	
2015 – Renovate interior Tippecanoe	<u>\$2,750,000</u>
	\$2,650,000

Branch Libraries – Location	Construction Year	Proposed Replacement Schedule
Bay View - 2566 S Kinnickinnic	1993	
Capitol - 3969 N 74 <sup>th</sup> St.	1964	(2015 – site selection)
Center Street - 2727 W Fond Du Lac Ave	1989	
East - 1910 E North Ave	1968	(2014 - currently under construction)
Forest Home - 1432 W Forest Home Ave	1966	(2015 - begin construction)
M. L. King – 310 E Locust St	1971	(2015 - site selection)
Mill Road - 6431 W Mill Rd	1970	(2015 - begin construction)
Tippecanoe - 3912 S Howell Ave	1969	(2014 – renovation currently under development)
Villard Square - 3310 W Villard Ave	2011	
Washington Park - 2121 N Sherman Blvd	2003	
Zablocki - 3501 W Oklahoma Ave	1963	

#### Annual Requests

	Mechanical	Exterior	Interior	Total
2015	\$0	\$0	\$2,750,000	\$2,750,000
2014	\$0	\$175,000	\$0	\$175,000
2013	\$875,000	\$0	\$0	\$875,000
2012	\$0	\$0	\$0	\$0
2011	\$0	\$0	\$0	\$0

#### Six Year Request History

	Mechanical	Exterior	Interior	Total
2015	\$0	\$400,000	\$2,250,000	\$2,650,000
2014	\$0	\$175,000	\$800,000	\$975,000
2013	\$875,000	\$175,000	\$800,000	\$1,850,000
2012	\$875,000	\$175,000	\$800,000	\$1,850,000
2011	\$875,000	\$175,000	\$800,000	\$1,850,000

### Library Facility Initiative

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$4,300,000</b>	<b>135%</b>	
2014		90,000	1,735,000		1,825,000	508%	
2013	2,807,447				300,000	(76%)	
2012	2,000,000				1,250,000	(37%)	0
2011	*2,637,607				2,000,000	14%	*3,103,648
2010	*1,000,000				*1,750,000	75%	124,417
2009					*1,000,000		
2008							
2007							
<b>Total</b>		90,000			8,125,000		3,228,065

\*Budgeted in Villard Square Account

The 2014 Budget provided funding (\$600,000) to begin the development of two mixed use libraries that will replace the Mill Road and Forest Home Libraries. Construction funding for those two libraries is included in the request for 2015 and 2016.

Site selection and development funding is requested in 2015 for the Capitol and M.L. King libraries. Construction funding is requested in 2016 and 2017.

Funding is also requested for a facilities project manager who will oversee the development and construction of all four of the new mixed use libraries. It is anticipated that the position will be needed for about six years.

No additional funding has been requested for East Library which is currently under construction. The project is several months behind schedule.

Approximately \$3.7 million of the funding provided in 2014 in the Library Facilities capital account is for renovations and improvements at Tippecanoe and other neighborhood libraries.

In 2013, funding for an Express Library was included in the Neighborhood Libraries Account. The Library anticipates using that funding to install a vending library at the Westlawn Housing Development.

**Request Summary - 2015**

2015	\$4,300,000
2016	\$5,300,000
2017	\$4,100,000
2018	\$4,100,000
2019	\$0
2020	\$0
<b>Total</b>	<b>\$17,800,000</b>

**Proposed Schedule**

Year	Development	Construction
2014	Mill Road, Forest Home	East
2015	Capitol, M.L. King	Mill Road, Forest Home
2016		Mill Road, Forest Home, Capitol, M.L. King
2017		Capitol, M.L. King

**Annual Request**

2015	\$4,300,000
2014	\$3,000,000
2013	\$3,668,000
2012	\$4,000,000
2011	\$2,300,000

**Six Year Request**

2015	\$17,800,000
2014	\$31,260,000
2013	\$31,928,000
2012	\$32,198,000
2011	\$17,100,000
2009	28,000,000*

*\*Library Campus Model*

Title	Positions	FTE	Amount
Facilities Manager	1	1	\$100,000





## Municipal Court

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$504,000</b>	<b>250%</b>	
2014		144,000			144,000		
2013	28,041						
2012	102,367						28,040
2011	235,115						132,000
2010	1,062,163		334,000		334,000	(51%)	
2009	429,620		683,645		683,645	59%	818,800
2008	159,332		429,620		429,620	759%	147,717
2007	240,841	50,000			50,000		150,617
<b>Total</b>		194,000	1,447,265		1,641,265		1,277,174

### 2015 Capital Request

The Municipal Court has submitted one capital request for a two year project which is scheduled to begin in 2015.

The Court relies heavily on technology for its operations and to provide services to the public. The Court's capital request supports the development of new technologies to provide enhanced services and the maintenance of their critical electronic infrastructure.

The total six year request is \$888,000 and represents a decrease of (\$192,000 (18%) from last year's six year request.

Capital funding from 2007 through 2010 was primarily for the Court Case Management System.

### CATS & Website Upgrade

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$504,000</b>		

This two year project was originally requested in 2013 for funding in 2015 and 2016. The request is \$48,000 less than in previous years because the department was able to purchase some of the necessary software in 2013. The focus of the upgrade will be the transition from a client-server based architecture to a browser-based platform, similar to FMIS, HRMS and other City systems. This project will eliminate the need to install and maintain workstation software. It will also facilitate remote court operations such as community court sessions. Funding of \$504,000 and \$384,000 is requested for 2015 and 2016 respectively. Total requested capital funding for the project is \$936,000.

#### Annual Request

2015 \$504,000  
2014 \$0  
2013 \$0

#### Six Year Request

2015 \$888,000  
2014 \$936,000  
2013 \$936,000

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## *Updates and Past Requests*

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### **Virtual Server and SAN Replacement**

<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
2014		144,000			144,000		
<b>Total</b>		144,000			144,000		

The Municipal Court uses servers and a storage area network (SAN) to host its case management system (CATS). Based on industry standards, the equipment will have reached the end of its useful life in 2014. Extending their use beyond this time may make the Court's operations vulnerable to outages or loss of performance. There may be possibilities for repurposing the equipment to less critical applications.

This project was first requested in 2013 for funding in 2014. It was funded as requested. **No additional request was received for 2015.**

**Annual Request**  
2014    \$144,000

**Six Year Request**  
2014    \$144,000

### **Electronic Case Jacket Project**

The Electronic Case Jacket project was a multi-phase project designed to eliminate physical case jackets and paper files and to promote efficiencies in Municipal Court operation. The Municipal Court now operates its sessions electronically. This allows greater efficiencies in the processing of court cases, greater access to case related documents and information and flexibility in where the Court can hold sessions.

Phase 1, which eliminated paper rosters for calling court cases, went live in April 2009. Phases 2, 3 and 4 involved the electronic capture of documents, the conversion of notices, and the integration of on-line templates for outgoing correspondence. Much of 2010 was spent designing the environment to integrate the activities of judges, clerks and bailiffs and allow immediate access to all relevant case information on a single screen. Electronic processing of incoming correspondence began in September 2010. A key component of the system is the electronic receipt of citations.

In conjunction with this project, the Municipal Court has updated its website. The website has been optimized for mobile device use. It is not unusual for users of court services to have their primary internet access provided via a Smartphone. Those users now have the ability to make payments and find case information using their phone. Search capabilities have also been expanded. Upcoming improvements include the ability to conduct more court business on-line including entering not-guilty pleas, selecting a preferred court date, and requesting extensions.

### **Data Center AC**

The Municipal Court requested \$54,000 for 2012 to replace the air conditioning unit that services the Court's datacenter. The existing unit had exceeded its useful life and required frequent and expensive repairs. With the implementation of the Electronic Case Jacket Project, the operations of the Court are reliant on its computer network. Failure of the AC systems could disrupt court operations. This project was funded through the Court's O&M Budget.

## **Panic Alarm System**

The Municipal Court requested \$23,000 for 2012 to install a warning system that will alert court staff to dangerous situations. The existing system is not functional and cannot be repaired because of its age. A functioning alarm system will help to ensure the safety of employees and City residents who use court services. This project was funded through the Court's O&M Budget.

## **IT Disaster Recovery Project**

In conjunction with the electronic case jacket project, the Municipal Court began planning to implement a disaster recovery project to protect the integrity of Court data. The Court created a virtualized environment in their own data center which will allow them to easily restore systems to new hardware in the event of an emergency. This project has been completed on time and within its budget.



## Department of Neighborhood Services

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>1,231,000</b>	<b>(47%)</b>	
2014			2,320,000		2,320,000		
2013	18,250				0		
2012	58,416				0		0
2011	76,141				0		48,169
2010			76,141		76,141		0
2009							0
2008							0
2007							
<b>Total</b>			<b>2,396,141</b>		<b>2,396,141</b>		<b>48,169</b>
<b>Average</b>							

### 2015 Capital Request

The Department of Neighborhood Services (DNS) has submitted three capital requests for the 2015 Budget including requests for two new remodeling projects to accommodate staffing changes and improve customer service.

The total six year request is \$2,231,500 and represents an increase of \$1.3 million (149%) from last year's six year request.

The 2014 Budget added two new capital accounts to the Dept. of Neighborhood Services: Concentrated Blight Elimination (\$2,220,000) and the Alternative Board Up program (\$100,000). The department did not submit requests for additional funding for either of these accounts.

Capital funding in 2010 was for security upgrades at the Anderson Municipal Building/Water Tower.

In 2012 DNS submitted a request to replace the NSS system. It was funded in 2012 as a special capital project.

### Conversion of Anderson Water Tower Garage

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$650,000</b>		

This project was first requested in 2013 to modify space at the Anderson Municipal Building to accommodate additional staff. The total six year request is for \$650,000. The project has been requested in 2015 as a one year project instead of phasing it over two years. No additional funding was requested to abandon the vault below the garage floor.

Over the last 5 budget years, DNS has added 13 additional staff, moved 4 existing staff from the ZMB to the Anderson Building, and expects to fill a number of vacant positions during 2013. Approximately 70 employees will have offices in the Anderson building.

The project will renovate space on the first and second floors. The more extensive renovation will be on the 1st floor. 2,300 SF of garage space will be converted to offices to accommodate 25-27 inspectors at an estimated cost

of \$465,000 (\$201.8 / SF). Work on the second floor will primarily consist of the reconfiguration of cubicles and the addition of two walled offices. The second floor will have room for 20 inspectors and 5 clerical staff. The estimated cost is \$225,500.

Cost estimates from DPW Facilities do not include furnishings. The cost of the furnishings is not known at this time. Some furnishings could be repurposed from their existing use.

**Useful Life** 20 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$650,000	2015	\$650,000 (one year project)
2014	\$200,000	2014	\$695,000
2013	\$695,000	2013	\$695,000

### Remodel of the Development Center Offices

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$81,500</b>	<b>%</b>	

This was a new one year project requested in 2014 to create two new enclosed offices at the southeast corner of the Development Center space. This project would increase direct supervision of employees and improve customer service by giving managers direct line of vision to the front counter, cashier and customer service areas. This project would create two new manager offices, a new conference room and two new work stations.

The total project area is 1,182 square feet. The estimated cost of the project is \$40,500 less than the request in 2014, reducing the cost per square foot from \$103 to \$69.

Floor plans have been provided. (see CC file 130718)

**Useful Life** 20 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$81,500	2015	\$81,500
2014	\$122,000	2014	\$122,000

### Conversion of Permit Records to Scanned Images

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$500,000</b>		

This is a **new** request for a three year project beginning in 2015 to transfer microfilmed records to electronic format. The project would provide electronic access in a single format to over 100 years of permitting and property records. New permits are currently scanned in and stored in the City's eVault.

**Useful Life** 100 years

**Annual Request**  
2015 \$500,000

**Six Year Request**  
2015 \$1,500,000

### Concentrated Blight Elimination

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014			2,220,000		2,220,000		
<b>Total</b>			2,220,000		2,220,000		

The 2014 Budget created a new capital program called concentrated Blight Elimination to support the Strong Neighborhood Investment Plan. Funding in this account will be combined with over \$1 million of O&M funding in DNS to contract for the demolition of 200 privately owned houses. Work will be done on an area wide basis to maximize the positive benefits of blight elimination.

The department **did not request any additional funds in this account for 2015.**

### Alternative Board-Up

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014			100,000		100,000		
<b>Total</b>							

The 2014 Budget created a new capital program called Alternative Board-Up. Funding in this account will be used to find alternatives to using plain plywood to board up the windows of vacant buildings. Options could include see-through products or painting the plywood to be decorative.

The department **did not request any additional funds in this account for 2015.**

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## *Updates and Past Requests*

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### Remodel ZMB 10<sup>th</sup> Floor Office Assistant Area

This one year project was requested in 2014 to reconfigure workstations to locate the DNS Trades Division clerical staff in one area to facilitate the exchange of information, improve assignment sharing and cross training and allow for better phone coverage. The total project area is 1,490 square feet. The estimated cost per square foot is \$54.03. Floor plans were provided with the 2014 capital request. See CC file 121728.

No funding was provided in 2014. **No request was submitted for 2015.**

**Annual Request**  
2014 \$80,500

**Six Year Request**  
2014 \$80,500

## Anderson Tower Conference Room

The project would have upgraded electronic equipment, installed sound and telecommunications systems, and purchased new furniture for the 3rd floor conference room at the Anderson Municipal Building. The room has a capacity of approximately 50 people. The room is frequently used for DNS meetings and training events like the Landlord Training Program. It is also used by other City agencies (Health Dept, Common Council, DER, Election Commission etc) and community groups. If properly equipped, it could also function as an emergency operations center.

This project was first requested for 2012 (\$70,000). No funding has been provided. **No request has been submitted since 2012.**



## Police Department

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$9,884,650</b>	<b>8%</b>	
2014					9,177,000	24%	
2013	8,035,178	40,000	7,335,700		7,375,700	391%	
2012	12,167,759		1,502,000		1,502,000	(70%)	3,604,418
2011	10,135,386	42,000	4,945,931		4,987,931	19%	5,308,880
2010	10,106,396	293,000	3,895,000		4,188,000	(37%)	3,737,768
2009	7,021,879	160,000	6,504,000		6,664,000	143%	1,401,268
2008	7,232,138		2,745,000		2,745,000	64%	3,489,356
2007	6,477,138		1,670,000		1,670,000		5,718,578
<b>Total</b>		535,000	28,597,631		38,309,631		23,260,268
<b>Average</b>			4,085,376		4,788,704		3,876,744

### 2015 Capital Request

The Police Department has submitted ten capital requests for the 2015 Budget.

The 2015 request includes five new projects. All of them are one year information technology projects except the Mobile Data Computer (MDC) Upgrade, which is requested as a two year project. A total of \$1.8 million has been requested for the new one year projects. \$1,000,000 has been requested for 2015 for the MDC Upgrade.

The total six year request is \$54,403,963 and represents a decrease of \$6.3 million (11%) from last year's six year request. A large portion of the decrease is related to the renovation of the Police Administration Building which will require less funding in 2015 than had been anticipated.

Funding was provided in 2014 (\$225,000) for the first year of an on-going program to replace servers and increase data storage capacity. No request was submitted in 2015 for this program.

Capital Request Summary							
Project/Program	2015	2016	2017	2018	2019	2020	6 Yr. Total
PAB Renovation	910,000	7,062,000	6,661,860	8,141,422	6,723,102	5,731,049	\$35,229,433
Radio & Communications Upgrade	365,000	150,000	150,000	150,000	150,000	150,000	\$1,115,000
District Station Repairs	1,671,650	1,315,446	1,511,070	1,546,182	1,037,628	1,359,754	\$8,441,730
Data/Comm Center Repairs	135,000						\$135,000
Record Management System	4,000,000	1,682,800					\$5,682,800
*Upgrade CAD System	1,300,000						\$1,300,000
Mobile Data Computer (MDC) Upgrades	1,000,000	1,000,000					\$2,000,000
*Digital Asset Management System Replacement	150,000						\$150,000
*Milwaukee Police Department	250,000						\$250,000
*Job Scheduling Software	100,000						\$100,000
<b>Total</b>	<b>\$9,881,650</b>	<b>\$11,210,246</b>	<b>\$8,322,930</b>	<b>\$9,837,604</b>	<b>\$7,910,730</b>	<b>\$7,240,803</b>	<b>\$54,403,963</b>

\*new request in 2015

## Radio & Communications Upgrade

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$365,000</b>		
2014	429,600		365,000		365,000	(22%)	
2013	277,000		470,000		470,000	70%	
2012			277,000		277,000	560%	209,844
2011		42,000			42,000	(63%)	875
2010		113,000			113,000	88%	
2009		60,000			60,000		
<b>Total</b>		<b>215,000</b>	<b>1,112,000</b>		<b>1,327,000</b>		<b>210,719</b>

This program was first funded in 2009 when \$60,000 was provided. In 2012 funding was changed from tax levy to general obligation borrowing.

2012 represented the first year that improvements to digital radio infrastructure were identified as a component of this program. The cost of those improvements was estimated at \$200,000 per year. MPD is currently (in 2012) evaluating the replacement cycle for digital radio equipment to determine the necessary level of investment.

The Open Sky system was designed for a land area classification of "Light Residential" and currently meets the minimum signal reliability for which MPD contracted. The system is somewhat adversely affected by large buildings and various land features. Funding for 2013 will be used to improve radio coverage inside buildings and ensure better radio signal strength in areas throughout the city that are affected by land clutter.

Funding in 2013 was provided to install equipment on a site in District 4. Because of changing priorities, 2013 funding was used to construct a site in District 6. Funding in 2014 will be used for a site in District 4. Funding is being proposed in 2015 for a site at the Bayside/Whitefish Bay Water Tower.

**Useful Life**      10 – 15 years

### Request Summary - 2015

2015	\$365,000
2016	\$150,000
2017	\$150,000
2018	\$150,000
2019	\$150,000
2020	<u>\$150,000</u>
<b>Total</b>	<b>1,115,000</b>

### Annual Request

2015	\$365,000
2014	\$565,000
2013	\$2,500,000
2012	\$277,000
2011	\$42,000

### Six Year Request

2015	\$1,115,000
2014	\$1,465,000
2013	\$3,550,000
2012	\$1,732,000
2011	\$574,200

## Record Management System

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$4,000,000</b>	<b>186%</b>	
2014	500,000		1,400,000		1,400,000	180%	
2013			500,000		500,000		
<b>Total</b>			<b>1,900,000</b>		<b>1,900,000</b>		<b>0</b>

This request was first submitted in 2013 to implement a new records management system (RMS). The 2011 Budget included \$354,000 to upgrade the existing Tiburon record management system. The upgrades were intended to increase system capacity and performance and provide greater flexibility in reporting and analysis. Prior to implementing the upgrades, the IT Division of MPD conducted a comprehensive business requirements assessment of the MPD's records management system. It was determined that the planned upgrades would not be sufficient to support the department's needs. The proposed RMS will replace the existing Tiburon system.

The department reviewed the 15 responses it received from an RFI issued in spring of 2012. An RFP was developed and released in the spring of 2013. The responses to the RFP are currently being reviewed. Demonstrations are being scheduled for April and May of 2014. It is anticipated that the contract will be awarded in July or August 2014.

The six year requested amount is \$4 million in 2015 and \$1.7 million in 2016. The estimated project cost has not increased substantially since it was first requested in 2013.

A number of issues have been raised with the department's existing RMS especially as they related to the classification of certain crimes and Uniform Crime Reporting as required by the Federal Bureau of Investigation. The results of the Fire and Police Commission' independent audit of police statistics is available as an attachment to Common Council file 121290.

### Cost Estimate Summary

	2013 Request	2014 Request	2015 Request
2013	\$3,500,000		
2014	\$2,000,000	\$3,000,000	
2015	<u>\$2,000,000</u>	<u>\$4,000,000</u>	\$4,000,000
2016			<u>\$1,682,800</u>
<b>Request Total</b>	<b>\$7,500,000</b>	<b>\$7,000,000</b>	<b>\$5,682,000</b>
Budgeted			
2013		\$500,000	500,000
2014			<u>\$1,400,000</u>
<b>Project Cost</b>	<b>\$7,500,000</b>	<b>\$7,500,000</b>	<b>\$7,582,000</b>

**Useful Life** 10 years

### Annual Request

2015 \$400,000  
 2014 \$3,000,000  
 2013 \$3,500,000

### Six Year Request

2015 \$5,682,800 (2015 & 2016)  
 2014 \$7,000,000 (2014 & 2015)  
 2013 \$7,500,000 (2013-2015)

## Police Administration Building Remodeling

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$910,000</b>	<b>(84%)</b>	
2014	6,631,956		5,991,000		5,991,000	4%	
2013	5,374,131,		5,755,700		5,755,700	360%	
2012	5,992,103				0		2,450,702
2011	2,818,820		3,779,131		3,779,131	191%	520,541
2010	2,912,226		1,300,000		1,300,000	36%	1,125,374
2009	2,955,112		954,000		954,000	(42%)	437,682
2008	1,503,112		1,635,000		1,635,000	104%	1,045,069
2007	1,150,000		800,000		800,000		238,358
<b>Total</b>			20,214,831		20,214,831		5,817,726
<b>Average</b>			2,887,833		20,214,831		5,817,726

Since 1998, the City has invested \$13 million in improvements to the PAB. The Police Department has also obtained grant funding to update jail cell areas and the Fusion Center. The 2011 Budget included \$3,779,131 to begin work on Phase I which included the construction of two exterior mechanical shafts to replace failing interior shafts. The 2012 Proposed Budget included \$5,460,000 for Phase II which included the design and renovation of the 4th and 5th floors. Funding was removed by amendment. In June 2012, up to \$350,000 in contingent borrowing was authorized for Phase II design and construction documents. The file authorizing the funds also required DPW to provide progress reports to the Public Works Committee at least twice per year.

### Request Summary - 2015

2015	\$910,000
2016	\$7,062,000
2017	\$6,661,860
2018	\$8,141,422
2019	\$6,723,102
2020	<u>\$5,731,049</u>
Total	\$35,229,433

### Proposed Phasing (as of October 2013)

- 2013 - Phase 2, 5th Floor Remodeling
- 2014 - Phase 3, 4th Floor Remodeling
- 2015 - Phase 4, 3rd Floor Remodeling
- 2016 - Phase 5, 2nd Floor Remodeling
- 2017 - Phase 6, 1st Floor Remodeling - Municipal Courts
- 2018 - Phase 7, 7th Floor Remodeling
- 2019 - Phase 8, Basement & 6th Floor Remodeling
- 2020 - Phase 9, MEP Upgrade, Install Return Air Chase

### Project History

Funding from 2010 for the Remodel Administration Building Offices program was used to conduct a study of the Police Administration Building. The PAB Master Plan was prepared for the Police Department by Eppstein Uhen Architects, IBC Engineering Services, Powertek Engineering and Pierce Engineers in April 2010. The report evaluated the existing building, prepared design recommendations, identified Police Department space requirements for the next 5 years, and prepared cost estimates.

The report recommended the abatement of hazardous materials, improvements to the HVAC, electrical, plumbing and fire protection systems, as well as upgrades to the building enclosure and floor plan. Construction activities would be phased over 5 years. The total 5-year capital cost was estimated to be \$46.3 million.

In July 2010, further cost estimates which included the entire building were provided. The inclusion of the Municipal Court and the City Attorney increased the 5-year cost by \$7.6 million (16%). A 9-year time frame was also evaluated. The total estimated cost was \$58.6 million.

The updated study also included cost estimates for 2 scenarios that relocated all staff from the PAB. The baseline building cost estimate for a new facility to house all PAB staff was \$87.8 million. Providing a new facility for MPD and a stand-alone facility for the Municipal Court and City Attorney was estimated to cost \$91.8 million. Construction for both scenarios was anticipated to take 2 years.

The revised cost estimates were based on the existing site conditions at the southeast corner of N. 27th Street & W. Wisconsin Avenue. Costs to extend data and communications to the new facilities were included in the estimate. Costs not quantified in the estimate include property acquisition, vault construction for the maintenance of the City Communications Hub at the existing PAB, roadway improvements, an allowance for employee and public parking, and modification or demolition costs for the existing PAB.

Additional information regarding the PAB project including studies and cost estimates is available in CC files 100006 and 111338.

**Useful Life**      30 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$910,000	2015	\$35,229,433
2014	\$5,991,260	2014	\$39,880,260
2013	\$5,755,700	2013	\$43,759,700
2012	\$5,515,000	2012	\$42,980,178
2011	\$5,879,131	2011	\$46,320,859

### Upgrade CAD System

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>1,300,000</b>		

This is a **new** request for a one year project in 2015 to upgrade the department's computer aided dispatch (CAD) software. The department currently uses v2.4 of the Tiburon CAD system. This project will upgrade to v2.8.

**Useful Life**      6-15 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$1,300,000	2015	\$1,300,000

## Mobile Data Computer (MDC) Upgrades

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2015 Request					\$1,000,000		

This request is an **updated version** of the Vehicle Mobile Data Computers/DVR Upgrade Project that was requested in 2013. The project did not receive funding in 2013.

The Common Council provided \$900,000 in contingent funds late in 2012 to replace approximately 140 mobile DVRs. Replacement was completed in March 2013. The department estimated that an additional \$2 million would be required to replace the mobile data computers. No request was submitted for 2014.

The 2015 request seeks \$1,000,000 for 2015 and 2016 to replace computers in 320 vehicles. (160 each year)

**Useful Life**      5 years

**Annual Request**  
2015    \$1,000,000

**Six Year Request**  
2015    \$2,000,000

## Data/Communication Center Repairs

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2015 Request					\$135,000		
2014					0		
2013			195,000		195,000		
<b>Total</b>			195,000		195,000		0

This was a new request in 2013 to fund various projects at the Data/Communications Center. 2013 funding was allocated to the replacement of uninterruptable power supply batteries and epoxy coating for the lower garage floor. The only project identified for 2014 was the 3rd floor restrooms and janitor's closet. The restroom project was not funded.

The 2015 request again seeks funding for the 3rd floor restrooms and janitor's closet. Currently the 3<sup>rd</sup> floor restrooms are located within the secure perimeter of the 911 Telecommunications Dispatch Center. US Dept. of Justice, FBI and CJIS security protocols require that the restrooms be outside the secure perimeter.

### Parking Structure Repairs

This request does not include a cost estimate for the repairs to the Communication Center parking structure. The ten year old structure is in need of significant repairs. American Engineering and Testing (AE&T) was hired by the City to conduct tests on the parking structure and serve as a forensic engineering expert if it becomes necessary. Remediation may include the replacement of certain sections of the top deck, the entire top deck, multiple sections throughout the structure, or the entire structure. Discussions with DPW and the City Attorney relating to this issue are on-going.

**Useful Life**      20-25 years

<b>Annual Request</b>	
2015	\$135,000
2014	\$131,000
2013	\$205,000

<b>Six Year Request</b>	
2015	\$135,000
2014	\$131,000
2013	\$205,000

### Digital Asset Management System Replacement

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$150,000</b>		

This is a **new** request for a one year project in 2015 to replace the department’s digital asset management system.

The next generation of storage for the City’s eVault is expected to be a product used by law enforcement, courts, and the FBI. It is likely that the system will or could have the features desired by the Police Department. There may be opportunities to collaborate with the Dept. of Administration on this project.

**Useful Life**      5 years

<b>Annual Request</b>	
2015	\$150,000

<b>Six Year Request</b>	
2015	\$150,000

### Police Training Management System

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$250,000</b>		

This is a **new** request for a one year project in 2015 to purchase software to manage and track Police Department training requirements. The department anticipates the system will reduce operating costs and increase productivity. The amount of savings has not been quantified. No estimate was provided for the annual maintenance costs for the system.

**Useful Life**      5 years

<b>Annual Request</b>	
2015	\$250,000

<b>Six Year Request</b>	
2015	\$250,000

### Job Scheduling Software

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$100,000</b>		

This is a **new** request for a one year project in 2015 to purchase job scheduling software. This software will schedule computing jobs within various IT systems in the Police Department. This is not personnel scheduling software.

**Useful Life**      5 years

**Annual Request**  
2015    \$100,000

**Six Year Request**  
2015    \$100,000

### District Repair

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$1,671,650</b>	<b>234%</b>	
2014	81,277		500,000		500,000	456%	
2013	204,531+ *465,000		90,000		90,000	(81%)	
2012	*300,000		465,000		465,000	55%	*154,775
2011			*300,000		*300,000	67%	95,469+ *181,223
2010		*180,000			*180,000	80%	*36,881
2009		*100,000			*100,000		*16,834
2008							
2007							
<b>Total</b>		280,000	1,355,000		1,635,000		485,182
<b>Average</b>							

*\*District Station Renovation Account*

This program first received funding in 2012 (\$465,000). In prior years projects were funded with discrete capital accounts or included in the District Station Renovation Program.

The amount of the 2015 request is not significantly different than the 2014 request. The six year request has increased by \$637,000 over last year's six year request.

#### 2015 Plan

District 2	Major maintenance and asphalt sealing	\$80,000
NTF Bldg	Windows	\$248,000
District 7	Roof top air handling units (2)	\$175,150
Radio shop	generator fuel tank	\$37,000
District 4	General Remodel	\$828,000
District4	Upgrade mechanical	\$99,500
82&Keefe	Replace asphalt	\$38,000
District 2	Replace tile flooring	\$45,000
Radio Shop	Paint interior	\$34,000
Prop. Warehouse	Repair and seal masonry siding	<u>\$87,000</u>
<b>Total</b>		<b>\$1,671,650</b>

#### Request Summary - 2015

2015	\$1,671,650
2016	\$1,315,446
2017	\$1,511,070
2018	\$1,546,182
2019	\$1,037,628
2020	<u>\$1,359,754</u>
<b>Total</b>	<b>\$8,441,730</b>



**Useful Life**      20-25 years

**Annual Request**

2015    \$1,671,650  
 2014    \$1,693,200  
 2013    \$655,000  
 2012    \$790,000  
 2011    \$300,000

**Six Year Request**

2015    \$8,441,730  
 2014    \$7,804,512  
 2013    \$2,155,000  
 2012    \$2,630,000  
 2011    \$300,000

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*Updates and Past Requests*

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**Uninterruptable Power Supply**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014			696,000		696,000		
<b>Total</b>			696,000		696,000		

This was a new request in 2014 for a one year project to replace uninterruptable power supply systems that serve Police facilities. Many of the systems which ensure power to essential data and communication systems are beyond their rated useful lives. The project included HVAC upgrades to cool the systems. The project was funded in 2014. The department will fund system maintenance in its operating budget. **No additional request was submitted in 2015.**

**Annual Request**

2014    \$696,500

**Six Year Request**

2014    \$696,500

**IT Server and Data Storage Replacement**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014		225,000			225,000		
<b>Total</b>		225,000			225,000		

This was a new request in 2014 to fund an on-going program to replace server and data storage equipment on a 3 year replacement cycle and establish a virtualized data center. Funding of \$225,000 annually was requested for a six year total of \$1,350,000. **No request was submitted in 2015.**

MPD is required to retain audio and video for a minimum of 120 days. Digital items related to criminal convictions must be preserved for the length of the offender’s sentence. The department has not been out compliance with the 120 day retention requirement because of inadequate storage.

The department has 150 terabytes of storage and anticipates needing an additional 250 terabytes over the next six years. This program will accommodate the storage needs of the new record management system, centralized

document management, expansion of the in-car video system, file servers and a new iBase data warehouse which will support crime data analysis for the Fusion Center.

<b>Annual Request</b>	<b>Six Year Request</b>
2014    \$225,000	2014    \$1,350,000

## Workforce Management

This was a new one year project requested in 2014 to purchase an “off the shelf” workforce management system to manage employee time and attendance and facilitate scheduling needs that are specific to law enforcement. The system would directly interact with PeopleSoft Payroll and Time Entry Replacement. The department estimated savings of \$400,000 annually of District Supervisory time. **The project was not funded in 2014. No request was submitted in 2015.**

## Multi-factor Authentication

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013			325,000		325,000		
<b>Total</b>			325,000		325,000		

This project was requested and funded in 2013 to pay for upgrades that are required by the Department of Justice in order to access the Criminal Justice Information System (CJIS) from remote locations, such as during traffic stops. The Department anticipates the project will be complete by the end of 2013. **No request was received for 2014 or 2015.**

### Background

The Criminal Justice Information System (CJIS) provides state, local, and federal law enforcement and criminal justice agencies with access to critical, personal information such as fingerprint records, criminal histories, and sex offender registrations. In order to prevent unauthorized access to this extremely sensitive information, a security policy governing the access to the CJIS database was enacted on January 1, 2011. CJIS compliance information was set in a mandate released by the FBI. The mandate sets forth the minimum requirements for securing access to the data included within CJIS. Public safety, judicial, and correctional institutions must comply or face administrative sanctions and/or criminal penalties.

Multi-Factor Authentication provides for additional security to the typical user identification and authentication of login ID and password. Authentication methods can include: biometric systems, user-based public key infrastructure (PKI), smart cards, software tokens, hardware tokens, paper (inert) tokens, or "Risk-based Authentication" that includes a software token element comprised of a number of factors, such as network information, user information, positive device identification (i.e. device forensics, user pattern analysis and user binding), user profiling, and high-risk challenge/response questions.

A copy of the Criminal Justice System Security policy has been provided by the department.

<b>Annual Request</b>	<b>Six Year Request</b>
2013    \$350,000	2013    \$350,000

## Safety Academy Modifications

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013		40,000			40,000		
<b>Total</b>		40,000			40,000		

Funding was provided in 2013 to evaluate and upgrade the security system. Modifications to Room 182 which is used for training events were **not funded** in 2013. Room 182 is a large multi-purpose room that is used by both MPD and MFD for training. This project would have installed a moveable partition so the room could accommodate two smaller training events simultaneously. It would also install audio visual equipment that would allow participants near the rear of the room to see and hear more clearly. The estimated cost of this project is \$105,000. Depending on the results of the security system evaluation, additional funding may be required to complete the recommended upgrades. **No request was submitted for 2014 or 2015.**

**Annual Request**  
2013 \$145,000

**Six Year Request**  
2013 \$145,000

## Automated Fingerprint ID System

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014	0						
2013	87,716						
2012	1,416,000						448,643
2011	1,858,000						1,770,284
2010			2,300,000		2,300,000		442,000
<b>Total</b>			2,300,000		2,300,000		2,660,927

This project, which received \$2.3 million of funding in 2010, was completed in June 2011. Through the end of 2012 \$2.66 million has been expended. \$87,716 of general obligation borrowing authority lapsed in 2014. CC File 131209

## Vehicle Mobile Data Computers/DVR Upgrade Project

This was a new two year request in 2013 to fund the replacement of the mobile computers in 320 squad cars (160 vehicles in 2013 and 160 in 2014). The project would have upgraded the DVR equipment in squad cars. Events recorded include traffic stops, DUIs, scene dictation, tactical setups, crime scene interviews, and covert recording of detainees within the vehicle.

This request did not receive funding in 2013. The Common Council provided \$900,000 in contingent funds late in 2012 to replace approximately 140 mobile DVRs. Replacement was completed in March 2013. The department estimates that an additional \$2 million will be required to replace mobile data computers. No request was submitted for 2014.

**This request was resubmitted with a different title in 2015 – Mobile Data Computer (MDC) Upgrades.**

## Computer Systems Management Solution

This was a new one year project requested in 2013 to track the Police Department's computer hardware inventory and manage software licenses to ensure audit compliance. It would also have allowed the mobile data computers, tablets, cell phones and smartphones that are used by the department to be updated and managed remotely. **The project was not funded in 2013. No request was submitted for 2014 or 2015.**

## Evidence Storage Warehouse

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>							
2014	1,272,800				0		
2013	1,272,800				0		
2012	807,800		760,000		760,000	48%	41,400
2011	328,913		512,800		512,800	74%	7,374
2010	343,257		295,000		295,000		113,621
2009	460,000						21,903
2008	209,000		340,000		340,000	183%	299,275
2007	469,000		120,000		120,000	35%	85,117
2006			89,000		89,000		381,573
2005			0		0		21,447
2004			425,000		425,000		17,175
<b>Total</b>			2,541,800		2,541,800		988,885
<b>Average</b>			317,725		317,725		109,876

Since 2004, \$2.5 million has been budgeted for improvements at the evidence storage warehouse.

### Annual Request

2012 \$760,000  
2011 \$592,800

### Six Year Request

2012 \$1,360,000  
2011 \$592,800

## Safety Academy Expansion

This project was first requested in 2013. It did not receive funding in the 2013 Budget. **No request was submitted for 2014 or 2015.**

The project would have developed the 17 acre parcel adjacent to the Safety Academy that the City obtained through the in rem process in 2011 to expand the Safety Academy to provide better/more training opportunities for its staff. Eppstein Uhen Architects evaluated the structures on the property and determined that most are in poor condition. The structures will also require abatement for lead and asbestos.

Funding in 2013 would have paid to remove and remediate the existing buildings, eliminate site hazards and conduct a feasibility study. The Capital Improvements Committee recommended funding for a study. No funding was provided in the 2013 Budget.

### 2013 Six Year Capital Request

2013 \$1,055,000  
2014 \$4,000,000  
2015 \$4,000,000  
2016 \$4,000,000

**Annual Request**  
2013 \$1,055,000

**Six Year Request**  
2013 \$13,055,000

### Tiburon RMS VMP Record System

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014	285,700				0		
2013	354,000				0		
2012	354,000				0		0
2011			354,000		354,000		0
<b>Total</b>			354,000		354,000		

Funds in this account may be used to contribute to the overall upgrade of the Police Department RMS System

The 2011 Budget included \$354,000 to upgrade the Tiburon RMS VMP record system from version 7.4.1 to 7.6. Modules to be upgraded include LawRECORDS and Jail RECORDS. The upgrades would have increased system capacity and performance and provided greater flexibility in reporting and analysis. Prior to implementing the upgrades, the IT Division of MPD conducted a comprehensive business requirements assessment of the MPD's records management system. It was determined that the planned upgrades would not be sufficient to support the department's needs. The newly proposed RMS Project (request 6 of 10) will replace the existing Tiburon system.

**Annual Request**  
2011 \$354,000

**Six Year Request**  
2011 \$354,000

### 911 System Replacement

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014	0				0		
2013					0		
2012	2,001,123						412,004
2011	3,119,877						1,852,029
2010	5,000,000						1,390,931
2009			5,000,000		5,000,000		488,638
<b>Total</b>			5,000,000		5,000,000		4,143,602

The installation of the 911 System Replacement, which was originally funded in 2009, is essentially complete. MPD expected the system to be fully operational by the end of 2011. Through the end of 2012, \$4.14 million has been expended. The remaining funding has lapsed.

In February 2014 the Common Council authorized \$208,000 of contingent borrowing to complete the system. \$80,000 of that amount was to correct for a bookkeeping error related to pre-paid maintenance and the remainder was for the completion of the system.



## Port of Milwaukee

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$1,550,000*</b>	<b>107%</b>	
2014					750,000	(30%)	
2013			1,075,000		1,075,000	378%	
2012			225,000		225,000		1,000,774
2011	1,804,300		0		0		1,108,133
2010	3,584,238		0	400,000	400,000	(86%)	
2009	2,477,146		1,500,000	1,450,000	2,950,000	127%	
2008	2,021,438		500,000	800,000	1,300,000		
2007							
<b>Total</b>			<b>3,300,000</b>	<b>2,650,000</b>	<b>6,700,000</b>		<b>2,108,907</b>
<b>Average</b>							

\*2015 total excludes grant funding

### 2015 Capital Request

The Port of Milwaukee has submitted 14 capital requests. Seven are for funding in 2015 Budget. The remaining seven are out-year requests.

The total six year request, excluding grant funding, is \$10,770,000.

The six year request includes \$4,000,000 for the purchase of a new heavy lift crane. The crane has been in the capital plan for several years and is now scheduled for 2016.

The 2015 request includes \$800,000 in grant funding. The six year request includes \$1.3 million in projected grants. A number of the Port's programs provide matching funds for grants. Some projects such as the Transload Terminal will not move forward if grant funding cannot be secured.

City funding in the capital budget for the Port of Milwaukee has averaged just over \$800,000 per year since 2000. No capital funding was provided in 2010 or 2011. Special Funds which have similar purposes to some of the Port's capital programs make operating funds available. Average budgeted funding in the Special Funds is \$507,000. (see chart on next page)

The most recent 3 Year Statement of Intentions for Port activities can be found as an attachment to Common Council file 131542.

The Department of Public Works is currently evaluating the condition of the Port's facilities. An interim FCAP report is available as an attachment to Common Council file 121728.

<b>Capital Request Summary</b>							
<b>Project/Program</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>6 Yr. Total</b>
Rail Track and Service Upgrades	500,000	500,000		100,000		100,000	\$1,200,000
Terminal Resurfacing	250,000		250,000			100,000	\$600,000
Dockwall Rehabilitation	150,000	150,000	150,000	150,000	150,000	150,000	\$900,000
Roadway Paving	100,000		100,000				\$200,000
Demolish Expired Leasehold Facilities	250,000	100,000				100,000	\$450,000
Port Security	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Pier Berth & Channel Improvements	200,000	200,000	200,000	200,000	200,000	200,000	\$1,200,000
***GRANTS & AIDS***	800,000	800,000	800,000	800,000	800,000	800,000	\$4,800,000
Cargo Handling Equipment		4,000,000					\$4,000,000
Rehab Electrical Service S. Harbor Tract		100,000					\$100,000
Energy Initiative			100,000		100,000		\$200,000
Harbor Maintenance Dredging		200,000				150,000	\$350,000
***GRANTS & AIDS***		800,000				600,000	\$1,400,000
Secured Ferry Terminal Parking			100,000				\$100,000
City Heavy Lift Dock Improvements			520,000				\$520,000
***GRANTS & AIDS***			2,080,000				\$2,080,000
Transload Terminal						350,000	\$350,000
***GRANTS & AIDS***						1,400,000	\$1,400,000
Total Grants & Aids	\$800,000	\$1,600,000	\$2,880,000	\$800,000	\$800,000	\$2,800,000	\$9,680,000
Total City Funding	\$1,550,000	\$5,350,000	\$1,520,000	\$550,000	\$550,000	\$1,250,000	\$10,770,000
<b>TOTAL</b>	<b>\$2,350,000</b>	<b>\$6,950,000</b>	<b>\$4,400,000</b>	<b>\$1,350,000</b>	<b>\$1,350,000</b>	<b>\$4,050,000</b>	<b>\$20,450,000</b>

<b>Port of Milwaukee Special Funds*</b>					
	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
	<i>Actual</i>	<i>Budget</i>	<i>Budget</i>	<i>Budget</i>	<i>Budget</i>
Major Maintenance – Terminals & Piers	\$95,000	\$100,000	\$100,000	110,000	125,000
Major Rehab & Upgrades – Equipment	\$43,615	\$50,000	\$50,000	50,000	50,000
Environmental Cleanup Fund	\$70,000	\$100,000	\$100,000	50,000	0
Harbor Maintenance Dredging	\$46,500	\$50,000	\$50,000	50,000	25,000
Equipment Rehab & Upgrade	\$51,540	\$75,000	\$75,000	100,000	100,000
Dockwall & Breakwater Rehabilitation	\$31,978	100,000	100,000	70,000	100,000
Energy Efficiency Upgrade	\$52,000	\$0	\$0	0	50,000
Leasehold Demolition	\$2,223	\$40,000	\$40,000	10,000	0
Sewer System Upgrade	\$1,041	\$30,000	\$30,000	0	50,000
Harbor Security	\$19,664	\$0	\$0	0	0
<b>Total *</b>	<b>\$413,561</b>	<b>\$545,000</b>	<b>\$545,000</b>	<b>\$440,000</b>	<b>\$500,000</b>
<i>*This table excludes Summerfest related special funds</i>					



## Rail Track and Service Upgrades

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>500,000</b>	<b>%</b>	
2014	250,000		500,000		500,000		
2013	0		250,000		250,000		107,000
2012	0				0		0
2011	0				0		84,320
2010	0				0		0
2009	0				0		0
2008	0				0		0
2007	0	100,000		100,000	100,000		1,066
<b>Total</b>		<b>100,000</b>	<b>750,000</b>	<b>100,000</b>	<b>850,000</b>		<b>85,386</b>

This program provides funding to upgrade the 17 miles of rail track system at the Port of Milwaukee on an on-going basis to meet modern day safety and service load requirements. Replacing the track also provides the opportunity to alter the grade of the rail line to minimize the impact of seasonal flooding. With funding provided in 2013 the Port replaced 1,050 feet of 90 lb rail with 110/115 lb rail and rebuilt four switches.

### 2015 Six Year Capital Request

2015	\$500,000
2016	\$500,000
2018	\$100,000
2020	<u>\$100,000</u>
Total	\$1,200,000

### Annual Request

2015	\$500,000
2014	\$500,000
2013	\$250,000
2012	\$0
2011	\$0

### Six Year Request

2015	\$1,200,000
2014	\$1,500,000
2013	\$450,000
2012	\$300,000
2011	\$200,000

## Terminal Resurfacing

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>250,000</b>		
2014	150,000				0		
2013	0		150,000		150,000		
2012	340,140		0		0		20,893
2011	340,140		0		0		35,175
2010	350,000		0		0		12,763
2009	100,000		250,000		250,000		9,859
2008	0		100,000		100,000		0
2007	0				0		0
<b>Total</b>			<b>500,000</b>		<b>500,000</b>		<b>78,690</b>

The Port has been working with DPW to evaluate the condition of the Port’s facilities. An interim report can be found in CC File 121728. One of the findings in the report indicated that the Bulk Terminal pavement exhibited significant alligator cracking. It was evaluated as being in “fair” condition. The capital request indicates that the condition of the pavement has deteriorated due to the severity of the winter. \$151,418 of general obligation borrowing authority lapsed in 2013.

**2015 Six Year Capital Request**

2015	\$250,000
2017	\$250,000
2020	<u>\$100,000</u>
Total	\$600,000

**Useful Life**        30 years

Annual Request		Six Year Request	
2015	\$250,000	2015	\$600,000
2014	\$0	2014	\$350,000
2013	\$150,000	2013	\$500,000
2012	\$0	2012	\$500,000
2011	\$0	2011	\$250,000

**Dockwall Rehabilitation**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$150,000</b>		
2014	150,000				0		
2013	150,000				0		
2012	24,568				150,000		0
2011	146,721				0		0
2010	500,000				0		137,207,
2009	373,370				150,000		353,286
2008	400,000				0		0
2007	150,000				250,000		30,821
<b>Total</b>					<b>550,000</b>		<b>384,107</b>

This program provides funding for the dock wall rehabilitation program necessary to avert costly emergency repairs and to maintain the dock wall in appropriate condition for cargo operations. Lease documents often require the city to maintain dock walls for its tenants. Loss of revenue to the City may result if the dock walls are not kept in a safe and useable condition.

Between 2004 and 2007, this program received a total of \$500,000 in funding. Additional funding of \$150,000 was received in 2009 and 2012. The six year request is for \$150,000 each year through 2020. \$23,370 in general obligation borrowing authority lapsed in 2009 (CC081532). An additional \$9,513 in general obligation borrowing authority lapsed in 2013 (CC121148)

The Budget contains a special fund for dockwall and breakwater rehabilitation. Recent budgeted funding and actual expenditures are shown in the table below.

**Port of Milwaukee Special Fund – Dockwall and Breakwater Rehabilitation**

Year	Budget	Actual
2010	\$0	\$31,978
2011	\$100,000	\$29,221
2012	\$100,000	\$0
2013	\$70,000	
2014	\$100,000	

**Useful Life**      50 years

Annual Request		Six Year Request	
2015	\$150,000	2015	\$900,000
2014	\$150,000	2014	\$900,000
2013	\$150,000	2013	\$900,000
2012	\$150,000	2012	\$900,000
2011	\$150,000	2011	\$900,000

**Roadway Paving**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$100,000</b>		
2014	100,000				0		
2013	0		100,000		100,000		
2012	0				0		0
2011	0				0		115,785
2010	0				0		0
2009	0				0		0
2008	0				0		0
2007	0				0		0
<b>Total</b>			100,000		100,000		115,785

This program provides funding for the maintenance of roadways on Jones Island and the South Harbor Tract. These roadways are not maintained by DPW on a regular basis. Because they are not public thoroughfares, they are not eligible to be paid for with funds from the wheel tax.

This program has received almost no capital funding since 2000. \$50,000 was provided in the 2002 Budget and \$100,000 was provided in 2013. The 2015 request asks for \$100,000 in **2015 and 2017**.

**Useful Life**      20 years

Annual Request		Six Year Request	
2015	\$100,000	2015	\$200,000 (2015, 2017)
2014	\$0	2014	\$100,000 in 2016
2013	\$200,000	2013	\$300,000 (2013, 2015)

2012	\$0	2012	\$200,000 in 2015
2011	\$100,000	2011	\$300,000 (2011, 2012, 2014)

### Demolish/Rehabilitate Port Facilities

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$250,000</b>		

This request combines the Port Facilities Maintenance/Rehab request and the Demolish /Rehab Expired Leasehold Facilities requests. The current request is for \$250,000 in **2015** and \$100,000 in **2016**.

The Demolish/Rehab Expired Leasehold Facilities account has received no capital funding. A request for that program was first received in 2012 anticipating the need for funding in 2013. The Budget contains a special fund for leasehold demolitions and a special fund for major maintenance that can be used to supplement capital funding. Recent budgeted funding and actual expenditures are shown in the tables below.

#### Port of Milwaukee Special Fund – Leasehold Demolitions

Year	Budget	Actual
2010	\$84,000	\$2,223
2011	\$40,000	\$12,701
2012	\$40,000	\$0
2013	\$10,000	
2014	\$0	

#### Port of Milwaukee Special Fund – Major Maintenance – Terminals and Piers

Year	Budget	Actual
2010	\$75,000	\$95,000
2011	\$100,000	\$110,072
2012	\$100,000	\$101,240
2013	\$110,000	
2014	\$125,000	

**Useful Life**      20 years

#### Annual Request

2015    \$250,000

#### Six Year Request

2015    \$450,000 (2015, 2016, 2020)

## Port Security

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$100,000</b>		
2014	50,000				0		
2013	0		50,000		50,000		
2012	400,000				0		726,387
2011	400,000				0		811,054
2010	500,000				0		0
2009	200,000		400,000	650,000	1,050,000		0
2008	200,000				0		0
2007	246,550				0		11,411
<b>Total</b>			450,000	650,000	1,100,000		1,548,852

This ongoing program is used to implement security measures and mandates enacted by the Department of Homeland Security and the US Coast Guard. From 2004 through 2006, this program received a total of \$450,000 in funding. The six year request is for \$100,000 each year through 2020, an increase of \$50,000 (9%) from last year's six year request. A total of \$475,000 in general obligation borrowing authority has lapsed in this account since 2008, including \$239,400 that lapsed in 2013.

The Budget contains a special fund for harbor security that can be used to supplement capital funding. Recent budgeted funding and actual expenditures are shown in the table below.

### Port of Milwaukee Special Fund – Harbor Security Grant

Year	Budget	Actual
2010	\$0	\$19,664
2011	\$0	\$0
2012	\$0	\$46,859
2013	\$0	
2014	\$0	

**Useful Life**      30 years

Annual Request		Six Year Request	
2015	\$100,000	2015	\$600,000
2014	\$50,000	2014	\$550,000
2013	\$100,000	2013	\$600,000
2012	\$100,000	2012	\$600,000
2011	\$100,000	2011	\$600,000

## Pier Berth and Channel Improvements

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$200,000</b>		
2014	200,000		200,000		200,000		
2013	0		200,000	800,000	1,000,000	(25%)	
2012	300,000		0	800,000	800,000		6,109
2011	300,000		0	0	0		0
2010	1,000,000		0	400,000	400,000	(60%)	0
2009	900,000		200,000	800,000	1,000,000	100%	0
2008	800,000		100,000	400,000	500,000	(75%)	0
2007	800,000		400,000	1,600,000	2,000,000		173,875
<b>Total</b>			<b>1,100,000</b>	<b>4,800,000*</b>	<b>5,900,000</b>		<b>179,984</b>

\*Grant funding is projected and may not reflect actual funding received.

This program provides funding for improvements to the mooring basin, the City's heavy lift dock and the outer harbor. This program is funded in part by a grant program through the Department of Transportation's Bureau of Railroads and Harbors. Approximately 80% of the cost of these improvements will be paid by the grant with the City providing 20% of the total funding. This program provides the match for grant funding. No projects were identified in the request.

Since 2000, this program has received \$3.97 million in City funding. It did not receive City funding in the years 2010 -2012. Grant amounts shown in the budget are projections and may not reflect actual funding received.

The 2015 six year request is for \$200,000 each year through 2020. The projection for grant and aid funding is \$800,000 per year. The six year request is unchanged from last year.

Over \$1,000,000 in general obligation borrowing authority has lapsed in this account since 2008 including \$293,000 that lapsed in 2013.

**Useful Life**      50 years

Excludes Grant Funding

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$200,000	2015	\$1,200,000
2014	\$200,000	2014	\$1,200,000
2013	\$200,000	2013	\$1,200,000
2012	\$200,000	2012	\$1,200,000
2011	\$200,000	2011	\$1,200,000

**New Crane/Heavy Lift Equipment (Out Year)**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>		

This project has been in the capital plan since at least 2009. The amount of the request has not changed since 2011. The Port is pursuing grant opportunities to help offset the cost of the equipment. Recent changes to the Wisconsin Department of Transportation (WisDOT) regulations relative to oversize cargo rules will allow materials for the wind energy industry to move through the Port.

\$4,000,000 of funding is requested for **2016**.

The 2014 capital request included \$4,000,000 for 2014. The crane was not included in the 2014 Budget. The City is investigating the possibility of financing the crane using Redevelopment Authority revenue bonds.

**Annual Request**

2015	\$0
2014	\$4,000,000
2013	\$0
2012	\$0
2011	\$0

**Six Year Request**

2015	\$4,000,000
2014	\$4,000,000
2013	\$4,000,000 for 2014
2012	\$4,000,000 for 2013
2011	\$4,000,000 for 2012

**Rehab Electrical Services – South Harbor Tract (Out year)**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>		
2014	0				0		
2013					0		
2012	79,695				0		0
2011	97,542				0		29,019
2010	100,000						17,848
2009	100,000						2,457
2008					100,000		0
<b>Total</b>					<b>100,000</b>		<b>49,324</b>

This project received \$100,000 in funding in 2008. The 2015 request is for \$100,000 in **2016** and **2020**, to complete Phase III of this project. Phase I and Phase II were completed in 2010 and 2011 respectively. The request stated that the project has been delayed “due to the critical nature of other proposed Port capital projects”. Approximately \$50,000 in general obligation borrowing authority lapsed in this account in 2013.

This is a 3 phase project which began in December 2009.

- Phase I completed in 2010
- Phase II completed in 2011
- Phase III has been postponed to 2016

**Useful Life** 30 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$0	2015	\$200,000 (2016, 2020)
2014	\$0	2014	\$100,000 in 2015
2013	\$0	2013	\$100,000 in 2015
2012	\$0	2012	\$100,000 in 2013
2011	\$0	2011	\$100,000 in 2013

<b>Energy Efficiency Upgrades</b>						<b>(Out year)</b>	
<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
<b>2015 Request</b>					<b>\$0</b>		

This program has received no capital funding. A capital request was first received in 2011. Funding would pay for aluminum coated roofs on Port Buildings. Funding will not be required until **2017**. To date only one roof has been suitable for replacement under this program. The Port has worked with DPW to determine the timing for roof replacements.

**2015 Six Year Capital Request**

2017	\$100,000
2019	<u>\$100,000</u>
Total	\$200,000

The Budget contains a special fund for energy efficiency upgrades that can be used to supplement capital funding. Recent budgeted funding and actual expenditures are shown in the table below.

**Port of Milwaukee Special Fund – Energy Efficiency Upgrades**

Year	Budget	Actual
2010	\$50,000	\$52,000
2011	\$0	\$31,338
2012	\$0	\$22,265
2013	\$0	
2014	\$50,000	

**Useful Life** 30 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$0	2015	\$200,000 (2017 & 2019)
2014	\$0	2014	\$200,000
2013	\$0	2013	\$200,000
2012	\$0	2012	\$200,000
2011	\$0	2011	\$300,000



**Harbor Maintenance Dredging (Out year)**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>	<b>%</b>	
2014	0				0		
2013	0				0		
2012	100,000				0		0
2011	100,000				0		0
2010	100,000				0		0
2009	100,000				0		0
2008	0		100,000	400,000	500,000		0
2007	0				0		0
<b>Total</b>			100,000	400,000	500,000		0

This program provides funding to maintain the navigation channels in certain areas of the harbor. It received \$100,000 of capital funding in 2008. Funding is requested for **2016** and **2020**, (\$50,000 and \$150,000 respectively). \$100,000 of general obligation borrowing authority lapsed in 2013.

The Budget contains a special fund for dredging that can be used to supplement capital funding. Recent budgeted funding and actual expenditures are shown in the table below.

**Port of Milwaukee Special Fund – Major Maintenance – Dredging**

Year	Budget	Actual
2010	\$50,000	\$46,500
2011	\$50,000	\$0
2012	\$50,000	\$0
2013	\$50,000	
2014	\$25,000	
<b>Useful Life</b>		50 years

**Annual Request**

2015	\$0
2014	\$50,000
2013	\$0
2012	\$0
2011	\$150,000

**Six Year Request**

2015	\$350,000 (2016, 2020)
2014	\$200,000 (2014, 2018)
2013	\$350,000 (2014, 2018)
2012	\$350,000
2011	\$450,000

**Secured Ferry Terminal Parking (Out Year)**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>		

This project will provide improvements to the long term parking facilities in support of the Port’s passenger operations. This program has received a total of \$400,000 in capital funding; \$200,000 in 2005 and 2006. The City’s lease with the ferry operator requires the City to build additional facilities as they are needed. In 2012 the

Port requested funding for 2013. The Port now believes that construction can be deferred until **2017**. The six year request is for \$100,000.

**Useful Life** 30 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$0	2015	\$100,000 for 2017
2014	\$0	2014	\$100,000 for 2019
2013	\$0	2013	\$100,000 for 2014
2011		2011	

<b>City Heavy Lift Dock Improvements</b>						<b>(Out Year)</b>	
<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
<b>2015 Request</b>					<b>\$0</b>		

This is a request for a two year project to increase the length and weight bearing capacity of the heavy lift dock. A capital request was first submitted in 2012 anticipating the need for funding in 2015. No capital funding has been provided. Funding is now requested for **2017**. The request includes \$520,000 of City funding and \$2,080,000 of grant funding. Funding will provide the City's match (20%) of the Harbor Assistance Grant.

**Useful Life** 30 years

Excluding Grant Funding

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$0	2015	\$520,000 for 2017
2014	\$0	2014	\$520,000 for 2015
2013	\$0	2013	\$520,000 for 2015
2012	\$0	2012	\$520,000 for 2015

<b>Transload Terminal</b>						<b>(Out Year)</b>	
<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
<b>2015 Request</b>					<b>\$0</b>		

This was a new request in 2012 for funding in 2014. The 2015 request moves the funding (\$350,000) to **2020**. The transload terminal would provide intermodal transportation between rail/truck modes and water modes (ferry/barge). This project is grant dependent and will not move forward unless grant funding can be secured. Grant funding is anticipated to be \$1.4 million. It is anticipated that development and construction of the facility will take three years.

**Useful Life** 30 years

Excluding Grant Funding

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$0	2015	\$350,000 for 2020

2014	\$0	2014	\$350,000 for 2017
2013	\$0	2013	\$350,000 for 2014
2012	\$0	2012	\$350,000 for 2014

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## *Updates and Past Requests*

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### Port Facilities Systems

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014	0				50,000		
2013					0		
2012	100,000				0		0
2011	100,000				0		32,780
2010	100,000				0		0
2009	100,000				0		0
2008	0		100,000		100,000		0
2007	0				0		0
<b>Total</b>			100,000		100,000		32,780

This program provides funding to do major maintenance repairs to terminals and piers. This fund is also used to do emergency work as required for projects which exceed special funds set aside for Major Maintenance. This program received \$100,000 of funding in 2008 and \$50,000 in 2014. \$67,220 in general obligation borrowing authority lapsed in 2013 (CC121148)

**This capital account was combined with the Demolish/Rehab Expired Leasehold Facilities** into a new Demolish/Rehab Port Facilities account. The request for that account is \$250,000 for **2015** and \$100,000 for **2016**.

The Budget contains a special fund related to equipment rehabilitation and upgrades that can be used to supplement capital funding. Recent budgeted funding and actual expenditures are shown in the table below.

#### Port of Milwaukee Special Fund – Major Maintenance – Terminals and Piers

Year	Budget	Actual
2010	\$75,000	\$95,000
2011	\$100,000	\$110,072
2012	\$100,000	\$101,240
2013	\$110,000	
2014	\$125,000	

#### Annual Request

2014	\$100,000
2013	\$200,000

#### Six Year Request

2014	\$300,000
2013	\$500,000

### Demolish/Rehabilitate Expired Leasehold Facilities

This program has received no capital funding. A request was first received in 2012 anticipating the need for funding in 2013.

**This capital account has been combined with the Port Facilities Maintenance/Rehab request** into a new capital account called Demolish/Rehab Port Facilities. The request for that account is \$250,000 for **2015** and \$100,000 for **2016**.

The Budget contains a special fund for dredging that can be used to supplement capital funding. Recent budgeted funding and actual expenditures are shown in the table below.

**Port of Milwaukee Special Fund – Leasehold Demolitions**

Year	Budget	Actual
2010	\$84,000	\$2,223
2011	\$40,000	\$12,701
2012	\$40,000	\$0
2013	\$10,000	
2014	\$0	

**Useful Life** 20 years

**Annual Request**

2014	\$0
2013	\$100,000
2012	\$0

**Six Year Request**

2014	\$100,000 in 2015
2013	\$100,000 in 2013 and 2015
2012	\$100,000 in 2013 and 2015

## Analyze and Upgrade Sewer System

This program provides funding for the inspection and rehabilitation of the Port’s sewer system to ensure that it remains in compliance with state and federal regulations.

This program has not received capital funding since 2005. A request for \$150,000 was submitted for 2014. No funding was provided. **No request was submitted in 2015**. There have been no recent expenditures. Since 2000, this program has received \$200,000 in funding; \$50,000 in 2001 and \$150,000 in 2005. \$79,500 in general obligation borrowing authority lapsed in 2009.

The Budget contains a special fund for dredging that can be used to supplement capital funding. Recent budgeted funding and actual expenditures are shown in the table below.

**Port of Milwaukee Special Fund – Sewer System Upgrade**

Year	Budget	Actual
2010	\$75,000	\$1,041
2011	\$30,000	\$24,198
2012	\$30,000	\$35,437
2013	\$0	
2014	\$50,000	

**Annual Request**

2015	\$
2014	\$150,000
2013	\$100,000
2012	\$0
2011	\$75,000

**Six Year Request**

2015	\$
2014	\$900,000
2013	\$100,000 for 2013
2012	\$100,000 for 2013
2011	\$475,000

## Cargo Handling Equipment Rehabilitation and Upgrade

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014	0				0		
2013					0		
2012	283,017				0		97,443
2011	319,897				0		0
2010	500,000				0		36,880
2009	50,000		500,000		500,000		180,103
2008	50,000				0		
2007	50,000				0		
<b>Total</b>			500,000		500,000		314,426

\$500,000 was requested in 2013 to pay for major overhauls of cranes and/or the purchase of wind cargo equipment. No funding was included in the 2013 Budget. **No request was submitted in 2014 or 2015.** Over \$114,000 of general obligation borrowing authority has lapsed in this account since 2009.

The Budget contains two special funds related to equipment rehabilitation and upgrades that can be used to supplement capital funding. Recent budgeted funding and actual expenditures are shown in the tables below.

### Port of Milwaukee Special Fund – Major Rehabilitation & Upgrades - Equipment

Year	Budget	Actual
2010	\$50,000	\$43,615
2011	\$50,000	\$71,856
2012	\$50,000	\$51,725
2013	\$50,000	
2014	\$50,000	

### Port of Milwaukee Special Fund – Equipment Rehabilitation and Upgrade

Year	Budget	Actual
2010	\$100,000	\$51,540
2011	\$75,000	\$113,932
2012	\$75,000	\$74,753
2013	\$100,000	
2014	\$100,000	

#### Annual Request

2013	\$0
2012	\$0

#### Six Year Request

2013	\$350,000 for 2014
2012	\$500,000 for 2013

## Liquid Cargo Pier

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014	250,000				0		
2013	0		250,000		250,000		
2012					0		28,995
<b>Total</b>			250,000		250,000		28,995

This was a new project for 2013 to provide supplemental funding for the liquid cargo pier project. Additional damage to the pier was discovered during the development of the rehabilitation project. Repairing the damage was not an eligible expense under terms of the grant that was used to pay for 80% of the original project. The project was funded as requested in the 2013 Budget. **No additional request was submitted for 2014 or 2015**

The project's grant funding was awarded in 2007, but the project was deferred because the Port did not have a tenant. The terms of the grant require that the pier be kept in service for 20 years. Without a confirmed tenant, the City may be unable to satisfy the requirement, putting it at risk of having to repay the grant. The grant was scheduled to expire in December of 2013. The Port has been successful in receiving extensions in the past and believes that the expiration date will be extended to December 31, 2014. The Port is negotiating with a potential tenant and is prepared to begin the project as soon as a lease is signed.

**Annual Request**  
2013 \$250,000

**Six Year Request**  
2013 \$250,000 for 2013

## Confined Disposal Facility Expansion

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014	75,000				0		
2013	75,000	75,000			75,000		
2012	0		75,000		75,000		0
2011	0				0		
2010	0				0		0
2009	127,458				0		0
2008	140,858				0		0
2007	140,858				0		32,851
<b>Total</b>		75,000	75,000		150,000		32,851

This program provides funding for the recovery of land by way of land fill. This program sustains the continued restoration of confined disposal facilities into marketable waterfront development. Funding for this program has historically been titled "Acquire and Rehab KK River Site". In 2005, a technical amendment was adopted by Common council changing the title to "Confined Disposal Facility Expansion".

Funding for this project was provided in 2005, 2006, and 2012; \$175,000, \$75,000 and \$75,000 respectively. \$127,458 in general obligation borrowing authority lapsed in 2009. The 2013 request did not anticipate the need for additional funding. **No request was submitted for 2014 or 2015.**

**Annual Request**

2015  
2014  
2013 \$75,000  
2012 \$75,000  
2011 \$0

**Six Year Request**

2015  
2014  
2013 \$75,000  
2012 \$75,000  
2011 \$225,000 (2012, 2014, 2016)





## Department of Public Works – Fleet Services

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$7,517,000</b>	<b>0%</b>	
2014			7,517,000		7,517,000	16%	
2013	6,102,996		6,500,000		6,500,000	0%	
2012	5,944,440		6,495,000		6,495,000	13%	845,555
2011	1,617,344		5,738,000		5,738,000	4%	2,656,208
2010	9,197,617		5,500,000		5,500,000	(13%)	9,193,829
2009	9,911,202		6,302,000		6,302,000	5%	3,272,613
2008	4,411,202		6,000,000		6,000,000	(4%)	4,004,825
2007	4,998,833		6,250,000		6,250,000		9,114,783
<b>Total</b>			50,302,000		50,302,000		29,087,813
<b>Average</b>			6,287,750		6,287,750		4,847,969

### 2015 Capital Request

The Department of Public Works has submitted one capital request for Operations – Fleet Division for the 2015 Budget.

The total six year request is \$50,030,000 and represents an increase of \$1.2 million (3%) from last year’s six year request.

Funding in 2014 included \$707,000 for the purchase of equipment that will be used for the demolition of vacant houses. The equipment will include an excavator (\$298,000) a trailer (\$59,000) a skeleton bucket (\$10,000) and two quad axle dump trucks (\$340,000). The demolitions will be undertaken as part of the Strong Neighborhood Investment Plan.

### Major Capital Equipment

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$7,517,000</b>	<b>0%</b>	
2014	5,520,000		7,517,000		7,517,000	16%	
2013	5,375,575		6,500,000		6,500,000	8%	
2012	5,614,613		6,000,000		6,000,000	8%	444,396
2011	1,105,344		5,550,000		5,550,000	1%	2,603,481
2010	8,437,617		5,500,000		5,500,000	(7%)	8,613,122
2009*	9,343,202		5,940,000		5,940,000	(1%)	3,263,146
2008*	3,843,202		6,000,000		6,000,000	(2%)	4,004,825
2007*	4,580,833		6,100,000		6,100,000		9,114,783
<b>Total</b>			49,107,000		49,107,000		28,043,753
<b>Average</b>			6,138,375		6,138,375		4,673,969

\*Budgeted in DPW Building Projects

This program provides for equipment that exceeds \$50,000 and has a life expectancy of at least 10 years. The program focuses on equipment replacement for garbage and recycling collection, snow and ice control, and pick-up and dump trucks for use as pool equipment.

Average annual funding since 2002 is \$5.7 million. The table below shows the vehicles requested by the department. Actual equipment purchases may be different depending fleet performance.

<b>Request Summary – 2015</b>	
2015	\$7,517,000
2016	\$8,000,000
2017	\$8,240,000
2018	\$8,500,000
2019	\$8,755,000
2020	<u>\$9,018,000</u>
<b>Total</b>	<b>\$50,030,000</b>

Funding in 2014 included \$707,000 for the purchase of equipment that will be used for the demolition of vacant houses. The equipment will include an excavator (\$298,000) a trailer (\$59,000) a skeleton bucket (\$10,000) and two quad axle dump trucks (\$340,000). The demolitions will be undertaken as part of the Strong Neighborhood Investment Plan.

In an effort to save money on fuel costs, DPW is beginning to transition its garbage and recycling packers to compressed natural gas (CNG) engines. DPW currently has 21 CNG powered packers. The marginal cost of the CNG engines (\$36,000 each) was partially funded by a grant. DPW anticipates that using CNG will result in significant fuel savings. The long term effect of CNG on engine life and vehicle replacement cycles is unknown at this time.

Ventilation and code upgrades will be required at all repair facilities to accommodate CNG vehicles. DPW has been able to use CMAQ grant money to make many of the necessary upgrades. The grants typically have an 80/20 cost share.

**Average Fleet Age**

March	2014	12.2 Years
September	2013	12.56 years
October	2012	11.8 years
March	2012	11.8 years
September	2011	11.5 years
	2009	9.5 years

**Useful Life**      Varies

**Annual Request**

2015	\$7,517,000
2014	\$7,540,000
2013	\$12,580,000
2012	\$12,105,000
2011	\$12,982,000

**Six Year Request**

2015	\$50,030,000
2014	\$48,801,000
2013	\$81,223,940
2012	\$78,624,715
2011	\$77,674,915

Description of unit	2015			2014			2013			2012		
	Requested	Proposed	Estimated Unit Cost	Requested	Budgeted	Estimated Unit Cost	Requested	Budgeted	Estimated Unit Cost	Requested	Budgeted	Estimated Unit Cost
Backhoe/Loader	1		\$129,000				2	1	\$110,000	2	1	\$110,000
Sweeper	2		\$196,000	2	2	\$196,000	4	2	\$175,000	4	1	\$170,000
Tractors												
Light, Multi-Purpose	2		\$100,000	2	0	\$105,000	6	4	\$105,000	6	2	\$85,000
Front-End Wheel Loader	1		\$155,000				4	1	\$140,000	2	0	\$125,000
Trencher w/ Breaker & Trailer							1		\$55,000	1	1	\$60,000
Trucks												
Aerial, 30 Ft, Cargo Body							1	1	\$120,000			
Aerial, 36 Ft, Utility Body										2		\$180,000
Aerial, 36 Ft, Step Van Body							1		\$165,000			
Aerial 50 Ft Utility Body	1		\$180,000	1	1	\$180,000/ \$205,000						
Aerial, 50 Ft, Chip Box							1		\$185,000			
Aerial Bridge Insp. Unit (Rebuild)										1	1	\$240,000
Chipper, Brush	3		\$53,000	3	3	\$53,000						
Digger-Derrick	1		\$220,000				1		\$220,000	1	1	\$220,000
Dump, 16 yard, Tri-Axle	2		\$155,000	2	2	\$150,000	5	3	\$148,000	5		\$145,000
Dump, 2 Yard w/Compressor							1		\$120,000	1		\$120,000
Dump, 2 Yard w/ Crane	6		\$52,000	8	8	\$52,000						
Dump, 5 Yard				1	0	\$120,000						
Dump, 5 Yard, Chip Body							3	1	\$160,000	3		\$160,000
Dump, 5 Yard w/Underbody Plow	10		\$170,000	10	9	\$160,000	8	7	\$160,000	8	5	\$160,000
Dump, 5 Yard, Crew Cab							2		\$105,000	2		\$100,000
Dump, 24 Yard, Chip Body	1		\$110,000	2	2	\$110,000/ \$115,000						
Log Loader							1		\$170,000	1		\$150,000
Packer, 25 Yard, Rear Load										8	6	\$280,000
Packer, 25 Yard, Rear load/Recycle	7		\$285,000	7	6	\$285,000	17	10	\$285,000	7	4	\$290,000
Packer, 25 yard w/Ramp Lift Arm										2	1	\$285,000
Packer, 25 Yard Rear load w/ automated arm				3	3	\$451,000						
Packer, 27 Yard Automated recycle	3		\$380,000									
Packer, 31 Yard Top Load	1		\$265,000	1	1	\$265,000	1		\$260,000	1	1	\$260,000
Pick, Utility										6	2	\$55,000
Platform, Compressor, Salt, Plow							3	2	\$80,000	3	1	\$80,000
Platform Stake, large							1		\$90,000			
Roll-Off				2	2	\$165,000	2		\$330,000	2		\$160,000
Road Patcher	1		\$250,000				1		\$230,000	1		\$260,000
Step Van							4		\$120,000	4	2	\$90,000
Wrecker, Heavy Equipment							1		\$250,000			
*Excavator					1	\$298,000						
*Trailer					1	\$59,000						
*Skeleton Bucket					2	\$10,000						
<b>Total # of Units</b>	<b>42</b>			<b>44</b>	<b>44</b>		<b>71</b>	<b>33</b>		<b>73</b>	<b>29</b>	
*Vehicles for DPW SNIP demolition crew												

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## Updates and Past Requests

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### Central Repair Back Lot

This project was funded in 2014 in the Facilities Exterior Program.

In 2012 DPW requested \$573,000 to repave the back lot at the Central Repair Garage on Canal Street. The area has poor drainage and is prone to flooding. During heavy rain events, storm water runoff containing oil and fuel remnants flows over the Hank Aaron Trail and into the Menomonee River. The Capital Improvements Committee did not recommend funding for this project. No funding was provided in the 2012 Budget.

In 2013 the department again requested \$573,000 for this project. Because of continuing environmental concerns, the Capital improvements Committee recommended that funding for this project be included in the 2013 Budget.

### Two Way Radio Replacement

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014	368,940				0		
2013	727,421				0		
2012	329,827		495,000		495,000	108%	401,159
2011	512,000		238,000		238,000		52,727
2010	760,000						580,707
2009	568,000		362,000		362,000		9,467
2008	568,000						
2007	418,000		150,000		150,000		
<b>Total</b>			1,245,000		1,245,000		1,044,060

*\*Budgeted in DPW Building Projects*

This program provided funding to strategically replace obsolete two-way radio equipment with equipment that utilizes the Police Department's M/A-COM Communication Infrastructure (Open Sky).

Not all DPW equipment has a communications radio installed. Radios are normally installed in certain larger vehicles such as dump trucks, sweepers, refuse trucks, aerial lifts, and backhoes etc. Radios are rarely installed in cars, pickups or vans. Installations have been made in 529 vehicles including 376 Fleet units, 103 Water units and 50 Parking units. There are 40 Fleet radios and 5 Parking radios that are currently in storage until the intended vehicles are delivered. Several new vehicles that are out for bid or on order from the 2013 Budget will have radios provided as part of the purchase contract. Radios have not been installed in any Sewers equipment.

Installations have been made in approximately 500 vehicles. Fifty additional radios were purchased with 2012 funds for installation in new vehicles. The department is testing the GPS capabilities and functionalities of the radios and is working with the Police Department on the AVL portion of the project.

**Annual Request**  
2012    \$1,000,000

**Six Year Request**  
2012    \$1,000,000

## Department of Public Works – Forestry

Year	Carryover	Tax Levy	Gen Oblig.	Revenue	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$4,638,000</b>	<b>54%</b>	
2014		75,000	500,000	2,435,000	3,010,000	(11%)	
2013	447,000		500,000	2,872,000	3,372,000	6%	
2012	460,000		447,000	2,747,000	3,194,000	21%	3,093,643
2011	0		460,000	2,177,500	2,637,500	(29%)	2,778,613
2010	3,064,235		1,042,879	2,678,125	3,721,004	9%	3,807,902
2009	2,342,235	640,000	2,767,000	0	3,407,000	74%	2,957,687
2008	1,617,000	66,200	1,895,000	0	1,961,435	(0%)	2,073,592
2007	707,000		1,965,000		1,965,000		1,664,548
<b>Total</b>		<b>781,200</b>	<b>9,576,879</b>	<b>12,909,625</b>	<b>23,267,939</b>		<b>16,375,985</b>
<b>Average</b>			<b>1,197,110</b>	<b>1,844,232</b>	<b>2,908,492</b>		<b>2,729,331</b>

### 2015 Capital Request

The Department of Public Works has submitted seven Forestry related capital requests for the 2015 Budget.

The total six year request is \$27,483,000 and represents an increase of \$8.0 million (41%) from last year's six year request. The increase is driven largely by a \$5.4 million request for transitioning untreated ash trees to resistant species and a \$2.2 million request for on-going stump removal.

Early in 2013 the Common Council enacted an ordinance allowing charges for hazardous tree removal to be classified as special assessments, similar to those levied for street and alley improvements. This will allow them to be paid over six years. This will benefit homeowners who are impacted by the emerald ash borer infestation. \$75,000 was provided in the 2014 budget. The department has submitted a capital request for this on-going program.

The department also submitted a new capital request for on-going maintenance and improvements to Forestry facilities. The six year request for that program is \$375,000.

## Concealed Irrigation and General Landscaping City Boulevards

Year	Carryover	Tax Levy	Gen Oblig.	Revenue	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$500,000</b>		
2014			500,000		500,000		
2013	447,000		500,000		500,000	12%	
2012	460,000		447,000		447,000	(3%)	542,762
2011	0		460,000		460,000	(0%)	406,650
2010	605,770		462,879		462,879	(20%)	493,828
2009	533,000		582,000		582,000	102%	411,549
2008	800,000		288,000		288,000	(68%)	519,728
2007	202,000		913,000		913,000		683,861
<b>Total</b>			<b>3,864,789</b>		<b>4,152,879</b>		<b>3,058,378</b>
<b>Average</b>			<b>552,126</b>		<b>519,110</b>		<b>509,730</b>

This program replaces infrastructure related to irrigation and landscaped boulevard medians in conjunction with the city's paving program. The program does not directly correlate to increases in state/federal aided paving because not all arterials have boulevards. Forestry only replaces irrigation in the boulevards at signature beds. The department has also begun replacing the City's irrigation infrastructure based on its age and condition - not just in conjunction with paving activities. The 2015 request is unchanged from 2014. In 2014 the department anticipated that \$500,000 would replace 100 taps.

**Useful Life**      50 years

Annual Request		Six Year Request	
2015	\$500,000	2015	\$3,000,000
2014	\$500,000	2014	\$3,000,000
2013	\$606,765	2013	\$3,856,765
2012	\$510,000	2012	\$4,260,000
2011	\$460,000	2011	\$4,210,000

Title	Positions	FTE	Amount
Irrigation Professionals	2	1.5	\$177,348
Urban Forestry Specialist	2	1.0	\$84,811
Urban Forestry Manager	3	1.0	\$144,875
<b>Total</b>	<b>7</b>	<b>3.5</b>	<b>\$407,037</b>

Tree Planting Request Summary							
(# of trees)							
Request Year	2009	2010	2011	2012	2013	2014	2015
Tree removal year	2007	2008	2009	2010	2011	2012	2013
Removed for Paving	377		211	417	506	277	669
Dead/Diseased	3,453		3,244	3,845	3,108	3,934	4,472
Sustainable Blvd	1,500		2,450	700	0	0	0
Emerald Ash Borer	0						900*
<b>Total Request</b>	<b>5,330</b>	<b>4,640</b>	<b>5,905</b>	<b>4,962</b>	<b>3,704</b>	<b>4,211</b>	<b>5,151*</b>
*EAB trees are not included in the tree planting program. A separate request seeks funding to replace them by contract							

## Tree Planting & Production Program

Year	Carryover	Tax Levy	Gen Oblig.	Revenue	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$1,694,000</b>	<b>14%</b>	
2014				1,483,000	1,483,000	(2%)	
2013	0			1,520,000	1,520,000	(4%)	
2012	0			1,584,000	1,584,000	18%	1,460,078
2011	0			1,347,000	1,347,000	(23%)	1,559,064
2010	1,773,465			1,741,125	1,741,125	16%	1,879,924
2009	1,309,235		1,500,000		1,500,000	35%	1,245,253
2008	817,000		1,107,235		1,107,235	5%	1,047,865
2007	355,000		1,052,000		1,052,000		980,687
<b>Total</b>			3,659,235	7,675,125	11,334,360		8,172,871
<b>Average</b>					1,416,795		1,362,145

This program funds the production and replacement of trees removed in street construction projects, replacement of dead or diseased trees and the planting of new trees on boulevards.

The department is requesting funds for 5,151 trees to replace the number of trees lost in 2013 to mortality, disease and paving projects. A separate capital request for the replacement of an additional 900 ash trees has been submitted. It is anticipated that the ash trees would be replaced by contract, not produced at the City's nursery.

The department has also submitted a request for stump removal to address the stump backlog which will allow the tree planting program to move forward in a timely manner. The department estimates that it generates 3,600 new stumps annually and has the capacity to remove 2,300 stumps. Funds have been requested for the contract removal of 1,300 stumps annually.

**Useful Life**                      50 years

Annual Request		Six Year Request	
2015	\$1,694,000	2015	\$10,194,000
2014	\$1,483,000	2014	\$10,787,000
2013	\$1,520,000	2013	\$11,653,000
2012	\$1,704,000	2012	\$11,025,000
2011	\$2,300,000	2011	\$12,687,000

Title	Positions	FTE	Amount
Urban Forestry Staff	24	9	\$751,863
Urban Forestry Technician	1	1	\$108,500
Nursery Staff	7	3.3	\$275,423
<b>Total</b>	<b>32</b>	<b>13.3</b>	<b>\$1,135,786</b>

## EAB Ash Transition

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$900,000</b>		

This is a **new** request for a program that will replace approximately 5,000 unprotected ash trees over the next 5 or 6 years. As part of the emerald ash borer response plan, the department focused its inoculation efforts on larger, higher value ash trees. Trees 8" or less in diameter were not treated and will need to be actively transitioned to other species. This request would fund the contract removal and replacement of 900 ash trees in 2015.

Emerald ash borer was confirmed in the City of Milwaukee in 2012. It is believed that the infestation is between four and six years old.

<b>Annual Request</b>	<b>Six Year Request</b>
2015    \$900,000	2015    \$5,400,000

## Emerald Ash Borer Readiness & Response

Year	Carryover	Tax Levy	Gen Oblig.	Revenue	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$984,000</b>	<b>3%</b>	
2014				952,000	952,000		
2013	0			952,000	952,000	3%	
2012	0			923,000	923,000	11%	859,033
2011	0			830,000	830,000	(11%)	812,899
2010	160,000			937,000	937,000	17%	793,856
2009	0	640,000	160,000		800,000		774,849
2008	0				0		0
2007	0				0		0
<b>Total</b>		640,000	160,000	4,594,000	5,394,000		3,240,637
<b>Average</b>				918,800	674,250		540,106

Emerald ash borer continues to spread. As of March 2014, infestations have been confirmed in 19 counties and dozens of municipalities across the state.

An active infestation on private property within the City limits was confirmed by the Wisconsin Department of Agriculture, Trade and Consumer Protection in July 2012. Seventeen infested trees were identified on private property. Three infested trees in the City's right of way were also identified. The infested City street trees were less than 8" in diameter, had not been inoculated and have been removed. Other nearby ash trees which had been treated were inspected and were not found to be infested. It is believed that the infestation is between four and six years old.

The department estimates that in addition to 33,000 street trees maintained by the City, there are approximately 540,000 additional ash trees within the City limits that are at risk. DPW estimates that without treatment all ash trees would be infected within 9 years. It is hoped that Milwaukee's aggressive inoculation program will provide benefits to the larger ash tree population in the region by slowing the spread of the beetle. This is especially



important when considering the potential for devastating canopy losses on private property and along Milwaukee's waterways.

As part of the City's emerald ash borer response plan, the department focused its inoculation efforts on larger, higher value ash trees. Trees 8" or less in diameter were not treated and will need to be actively transitioned to other species. A separate capital request was submitted to fund the contract removal and replacement of 900 ash trees in 2015.

The six year request is for \$984,000 each year through 2020.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$984,000	2015	\$5,904,000
2014	\$952,000	2014	\$5,712,000
2013	\$952,000	2013	\$5,712,000
2012	\$923,000	2012	\$5,538,000
2011	\$830,000	2011	\$5,080,000

<b>Title</b>	<b>Positions</b>	<b>FTE</b>	<b>Amount</b>
Urban Forestry Specialist	12	4.0	\$339,321
Urban Forestry Manager	3	1.0	\$144,870
<b>Total</b>	15	5.0	\$484,191

### Stump Removal

<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Revenue</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
<b>2015 Request</b>					<b>\$360,000</b>		
2014					0		
2013	0			400,000	400,000		
2012	0			240,000	240,000		231,770
<b>Total</b>				640,000	640,000		231,770

The department has submitted a request for stump removal to address the stump backlog which will allow the tree planting program to move forward in a timely manner. The department estimates that it generates 3,600 new stumps annually and has the capacity to remove 2,300 stumps. Funds have been requested for the contract removal of 1,300 stumps annually.

Without additional funding, the backlog of 1,240 stumps at the end of 2013 is expected to grow to 2,500 by the end of 2014. This request will allow the department to meet its annual stumping needs, but will not address the existing backlog of stumps. The current backlog is equal to approximately 25% of the average annual tree planting request since 2009.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$360,000	2015	\$2,160,000
2013	\$405,000	2013	\$405,000

## Hazardous Tree Removal Program

Year	Carryover	Tax Levy	Gen Oblig.	Revenue	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$75,000</b>		

This capital account was created by the 2014 Budget to provide funding for hazardous tree removal charges. The Common Council enacted an ordinance (File 1203626) that changed fees charged by the City for hazardous tree removal from special charges to special assessments. This change allows property owners to pay the removal bill over six tax years, similar to street and alley paving improvements.

DPW will track removal costs by property and report annually to the Comptroller and the Treasurer. Costs for this ordinance will be reported annually by the Comptroller in a manner similar to other special assessments.

Annual Request		Six Year Request	
2015	\$75,000	2015	\$450,000

## Forestry HQ Modifications Account

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$125,000</b>		

This is a **new** request for a program that would fund on-going maintenance at Forestry facilities. The six year request includes \$50,000 each year from 2016 through 2020. No specific projects were listed in the 2015 request.

Annual Request		Six Year Request		Priority
2015	\$125,000	2015	\$375,000	

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## *Updates and Past Requests*

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### **Sustainable Boulevards**

<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Revenue</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
2014	0				0		
2013					0		
2012	0				0		
2011	0				0		
2010	525,000		580,000		580,000	10%	581,294
2009	500,000		525,000		525,000	5%	524,836
2008	0		500,000		500,000		499,999
2007	0				0		0
<b>Total</b>			1,605,000		1,605,000		1,606,129
<b>Average</b>			535,000		200,625		401,532

The Sustainable Boulevard Program was a three phase project approved by the Common Council in 2007. The plan included automated irrigation systems at signature bed locations and a simplified boulevard design that positions high-profile flower beds on landmark and gateway segments. These beds are connected by segments containing turf, shade and ornamental trees.

The final construction of some beds has been delayed due to paving projects such as W. Capitol Drive west of 76th St. The program has no remaining carryover borrowing authority. No funding has been requested or provided for this program since 2010. The remaining beds will be constructed with O&M funds or funds from the Concealed Irrigation/General Landscaping capital account.

There are 700 boulevard trees that remain to be planted from the original plan. Funding for these trees was eliminated from the 2011 Budget. They will be planted using funds from the Tree Planting Program as they are available. This project has allowed Forestry Section to reduce its annual budget for seasonal staffing and reduce the number of seasonal staffing by \$18,000 and reduce the number of Seasonal Urban Forestry Laborers hired by 20.



## Department of Public Works – Sanitation

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$12,460,000</b>	<b>419%</b>	
2014		100,000	2,300,000		2,400,000	380%	
2013	387,724		500,000		500,000	(9%)	
2012	691,263		550,000		550,000	(24%)	199,422
2011	0		727,959		727,959		151,616
2010	1,547,190		0				114,954
2009	1,761,155		0				1,000,073
2008	2,048,447		0				217,635
2007	1,303,682		2,260,500		2,260,500		393,831
<b>Total</b>		100,000	6,338,459		6,438,459		2,077,531

### 2015 Capital Request

The Department of Public Works has submitted four capital requests for Sanitation. Three of the requests are for funding in 2015. The fourth request, for the Material Recycling Facility which received partial funding in 2014, is not expected to require additional funding until 2020.

The total six year request is \$12,460,000 and represents decrease of \$6.8 million (35%) from last year's six year request.

The reduction is due primarily to a \$4.6 million decrease in the Sanitation HQ request, and a reduction in the MRF project because it was partially funded in 2014.

There is one new request, for the purchase and installation of brine makers for ice control operations. It is expected to be a three year project with an estimated cost of \$825,000.

The 2015 request includes the Industrial Road Facility Relocation. Funds have been requested, but have not been required because Direct Supply has not exercised their option on the property.

## Environmental Services Facility Modifications

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,255,000</b>	<b>2,155%</b>	
2014		100,000			100,000	(80%)	
2013	387,724		500,000		500,000	(9%)	
2012	691,263		550,000		550,000	(24%)	199,422
2011	0		727,959		727,959		151,616
2010	1,547,190		0		0		114,954
2009	1,761,155		0		0		1,000,073
2008	2,048,447		0		0		217,635
2007	1,303,682		2,260,500		2,260,500		393,831
<b>Total</b>		100,000	4,038,459		4,138,459		2,077,531
<b>Average</b>							346,255

This program provides funds for the repair and maintenance of the facilities at the yards used by the Department of Public Work's Operations Division. Since 2001 nearly \$7.3 million in funding has been provided for this program. Annual funding has been highly variable.

The 2015 six year request is for \$100,000 each year after 2015. This is much less than has been requested in the past. In 2011 and 2012 the request was for \$1,000,000 each year. In 2013 and 2014 the request was for \$750,000 each year. Funding in 2014 was for a facility study to determine the future use of various Sanitation facilities. The last use study was done in 2006. The results of the study may affect future capital request.

### Request Summary - 2015

2015	\$2,255,000
2016	\$180,000
2017	\$100,000
2018	\$100,000
2019	\$100,000
2020	<u>\$100,000</u>
Total	\$2,835,000

The Mount Vernon facility which was a major portion of the 2013 request was requested as a separate project in 2014.

### 2015 Plan

*C2 Salt storage	\$1,500,000
*S2 Maintenance and remodel	\$55,000
*N1 Transfer Bay	\$610,000
Central Area – general repairs	\$60,000
N2 Pave parking lot	<u>\$30,000</u>
	\$2,255,000

\*originally requested in 2014

N1	6732 N. Industrial Road
N2	30 <sup>th</sup> & Ruby
C1	5230 W State Street
C2	1625 N 14th Street
S1	2363 S 35 Street
S2	4031 S 6th Street

**Annual Request**

2015	\$2,255,000
2014	\$3,672,000
2013	\$1,009,000
2012	\$685,000
2011	\$2,800,000

**Six Year Request**

2015	\$2,835,000
2014	\$7,422,000
2013	\$4,759,000
2012	\$5,685,000
2011	\$7,800,000

**Purchase and Install Brine Makers**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$275,000</b>		

This is a **new** request for a three year project to purchase and install brine makers at sanitation yards for use in snow and ice operations. The project would install 3 brine makers, one in each sanitation area. Brine would be transported and stored in holding tanks at each of the six Sanitation yards. The total estimated cost of the project is \$825,000.

Additional equipment will have to be installed on the salt trucks. No cost estimate was provided but the department anticipates that the cost will be minimal.

**Request Summary - 2015**

2015	\$275,000
2016	\$275,000
2017	\$275,000
2018	\$0
2019	\$0
2020	\$0
Total	\$825,000

The project is expected to reduce operating costs by reducing the amount of salt needed for effective ice control. Annual savings are difficult to quantify and may be highly variable.

**Useful Life**      15 years

**Annual Request**

2015	\$275,000
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**Six Year Request**

2015	\$825,000
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**Material Recovery Facility (MRF) 1313 W Mount Vernon Avenue (Out year)**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>		
2014			2,300,000		2,300,000		
<b>Total</b>			2,300,000		2,300,000		

Prior to 2014, improvements to this facility were budgeted in the Environment Services Facility Modifications capital account. That account received \$500,000 in 2013 to replace the roof at the Materials Recovery Facility (MRF) building on Mount Vernon Avenue. In 2014 the facility was requested as a stand alone project. The Mount Vernon facility is currently operating as a recyclables transfer station. The building has a significant amount of deferred maintenance.

The City is partnering with Waukesha County on the development of a regional single stream recycling system. An intergovernmental cooperation agreement was signed on March 28, 2013. The City and Waukesha County issued a request for proposal with responses due October 29, 2013. DPW believes that the Mount Vernon facility is the

most cost effective option for a regional recycling facility for the City. However, the RFP allows multiple proposal options, including a private MRF for processing. In the event another location is chosen for the processing of recyclables, the Mount Vernon facility would likely continue to be used as a transfer station. The current recycling contract expires in July 2014 and cannot be extended.

The total cost of the project will depend on the building's use. Preliminary cost estimates for installing new single stream processing equipment at the Mount Vernon facility are estimated to be \$5 million. If the facility is used for processing recyclables, DPW estimates that the building and site will need an additional \$5 million in improvements. The City's share of the project will be 50%.

Funding requested for **2020** would repair the seawall.

Annual Request		Six Year Request	
2015	\$0	2015	\$2,000,000
2014	\$5,000,000	2014	\$5,000,000

### Industrial Road Facility Relocation

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$1,700,000</b>		

Direct Supply has an option on the property where the Industrial Road facility is located. If Direct Supply exercises the option in order to expand its operation, the City will have two years to relocate the facility. The option will expire December 13, 2019.

The preliminary cost estimate to relocate the facility is \$13,500,000. The City will be responsible for 50% of the cost. DPW has submitted the same request each year since 2011 to ensure that the project remains in the capital plan. The cost estimate has not been reviewed in several years. The department suggests that \$150,000 be budgeted for an updated needs study. **This project has not received any capital funding.** The Capital Improvements Committee did not recommend funding for this project in 2012, 2013 or 2014.

Annual Request		Six Year Request	
2015	\$1,700,000	2015	\$6,800,000
2014	\$1,700,000	2014	\$6,800,000
2013	\$1,700,000	2013	\$6,800,000
2012	\$1,700,000	2012	\$6,800,000
2011	\$1,700,000	2011	\$6,800,000

### Routing Software

This was a request in 2013 for \$1,000,000 for the acquisition and installation of routing software. More efficient routing would increase productivity and reduce fuel costs. This project will not require capital funding. The department was able to partner with the University of Stevens Point to develop software that will meet the need of the department.



## Self Help Scales

The 2010 Budget directed DPW to implement a charge for construction debris brought to self help stations. Phase I of the project involved charging a flat fee per load. Plans for Phase II involved charging for each load based on weight. The project was determined to be not cost effective and will not move forward. No capital funding was provided.

**Annual Request**  
2011 \$530,000

**Six Year Request**  
2011 \$530,000



## Department of Public Works – Administration

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013	853,980		500,000		500,000	(59%)	
2012	577,920		1,220,000		1,220,000	144%	418,150
2011	316,528		500,000		500,000	0%	742,288
2010	583,278		500,000		500,000	43%	411,384
2009	1,525,000		350,000		350,000	(82%)	921,401
2008	240,000	400,000	1,525,000		1,925,000	208%	1,632,502
2007	465,000	400,000	225,000		625,000		615,539
<b>Total</b>		800,000	4,820,000		5,620,000		4,741,264
<b>Average</b>			688,571		702,500		790,211

### 2015 Capital Request

The Department of Public Works – Administration has not submitted any capital requests for the 2015 Budget.

Responsibility for the Public Safety Communications capital account as well as the CSWAN/COMON Upgrade and the Municipal Phone System Upgrade Projects were moved from DPW to the Dept. of Administration – ITMD.

### Public Safety Communications

This capital account was moved to the Dept of Administration – ITMD by the 2013 Budget. Project history can be found in the ITMD section of this document.

### CSWAN/COMON Upgrade

This capital account was moved to the Dept of Administration – ITMD by the 2013 Budget. Project history can be found in the ITMD section of this document.

### Municipal Phone System Upgrade

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013	720,000				0		
2012			720,000		720,000		418,150
<b>Total</b>			720,000		720,000		418,150

This project to replace phone hardware received \$720,000 in funding in the 2012 Budget. Authority for this project has been moved from DPW-Admin to DOA – ITMD by the 2013 Budget.



## Department of Public Works – Facilities

(in thousands)

Year	Carryover	Tax Levy	Gen Oblig.	Revenue	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$19,696</b>		
2014		492	4,543	50	5,085		
2013	10,546	200	4,654		4,854	39%	
2012	15,309	210	3,293		3,501	(56%)	4,598
2011	9,682		8,023		8,023	34%	6,683
2010	14,278		5,999		5,999	8%	4,164
2009	21,881		5,554		5,554	(53%)	4,156
2008	37,111	300	11,535		11,835	(32%)	27,010
2007	25,791	292	17,047		17,339		34,896
<b>Total</b>		1,494	60,648	50	62,192		81,506
<b>Average</b>			7,581		7,774		13,584

### 2015 Capital Request

The Department of Public Works has submitted eleven capital requests for the 2015 Budget. Seven requests are for on-going programs and four are for special projects.

The total six year request is \$106,846,300 and represents an increase of \$65.2 million (156%) from last year's six year request. The increase is primarily related to three requests; the City Hall Foundation project which increased by \$30 million, the Facilities Exterior program which increased by \$16 million and the City Hall Remodeling program which increased by \$16 million.

Several projects or programs have been removed from the 2015 capital request including the Building Exterior Façade Restoration program, the FCAP program, the Building Consolidation project, the Municipal Reserve program, the Storm Management program and MacArthur Square Plaza remediation project.

No request was received for the Playground Challenge Fund.

Tax Levy funding has been used for recreational facilities, and for portions of the Space Planning program, the Hartung Quarry project, the Facilities Consolidation project, the City Hall Remodeling program, the Municipal Garage program and the ADA program.

The revenue in 2015 is from the Sewer Maintenance Fund for the Environmental Remediation program.

<b>Capital Request Summary</b>							
<b>Programs</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>6 Yr. Total</b>
Environmental Program	200,000	250,000	250,000	300,000	300,000	350,000	\$1,650,000
ADA Compliance	240,000	250,000	250,000	250,000	250,000	250,000	\$1,490,000
Facilities Exterior Program	4,623,800	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	\$24,623,800
City Hall Remodeling	440,000	2,000,000	3,000,000	4,000,000	4,000,000	4,000,000	\$17,440,000
Muni Garages & Outlying Facilities	500,000	1,000,000	2,000,000	2,000,000	2,500,000	2,500,000	\$10,500,000
Facilities Systems	2,797,500	2,500,000	2,500,000	3,000,000	3,000,000	3,500,000	\$17,297,500
Space Planning	205,000	250,000	250,000	300,000	300,000	400,000	\$1,705,000
<b>Projects</b>							
City Hall Foundation	10,000,000	10,000,000	10,000,000				\$30,000,000
North Point Lake Tower	340,000	400,000					\$740,000
Energy Efficiency & Renewable Energy	150,000	200,000	200,000	200,000	200,000	250,000	\$1,200,000
Hartung Park Landfill closure	200,000						\$200,000
Facilities Condition Assessment Program							
Building Exterior Façade Restoration							
MacArthur Square Plaza Remediation							
Storm Water Management							
City Facilities Consolidation							
Municipal Service Building Reserve							
Recreational Facilities							
<b>Total</b>	<b>\$19,696,300</b>	<b>\$20,850,000</b>	<b>\$22,450,000</b>	<b>\$14,050,000</b>	<b>\$14,550,000</b>	<b>\$15,250,000</b>	<b>\$106,846,300</b>

## Environmental Remediation Program

<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Revenue</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
<b>2015 Request</b>					<b>\$200,000</b>		
2014	45,103		150,000	50,000	200,000	33%	
2013	121,803		150,000		150,000		
2012	107,717		150,000		150,000		128,312
2011	87,539		150,000		150,000	50%	210,253
2010	452,034		100,000		100,000	(50%)	210,751
2009	621,378		200,000		200,000		286,358
2008	834,000		200,000		200,000	(57%)	321,938
2007	770,000		469,000		469,000		520,250
<b>Total</b>			<b>1,569,000</b>	<b>50,000</b>	<b>1,619,000</b>		<b>1,677,862</b>
<b>Average</b>			<b>196,125</b>		<b>202,375</b>		<b>279,644</b>

The goal of this on-going program is to provide a safe environment for the public and City employees. Activities include asbestos removal and lead abatement in city owned buildings; the monitoring of closed landfills and contaminated sites; repairs to petroleum storage tanks; and upgrades and repairs to storm water management systems and equipment.

Since 2000, \$5.7 million has been provided for this program. Average annual funding between 2000 and 2007 was \$566,000. Funding since 2007 has average \$202,400 per year. In 2014, \$50,000 of revenue funding was provided from the Sewer Maintenance Fund. The proposed spending plan for 2015 is the same as 2014.

<b>Planned expenditures</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>
Asbestos Abatement and Hazardous Waste	\$50,000	\$50,000	\$50,000	\$50,000	\$75,000
Soil and groundwater remediation	\$50,000	\$50,000	\$50,000	\$50,000	\$75,000
Leak detection system upgrades	\$50,000	\$50,000		\$50,000	\$50,000
Fuel dispenser replacement -	\$50,000	\$50,000		\$50,000	\$50,000
<b>Total</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$100,000</b>	<b>\$200,000</b>	<b>\$250,000</b>

**Annual Request**

2015	\$200,000
2014	\$200,000
2013	\$200,000
2012	\$200,000
2011	\$260,000

**Six Year Request**

2015	\$1,650,000
2014	\$1,896,000
2013	\$1,870,000
2012	\$1,726,000
2011	\$1,905,000

<b>Title</b>	<b>Positions</b>	<b>FTE</b>	<b>Amount</b>
Professional/Inspection	2	0.28 each	\$40,000

**ADA Compliance Program**

<b>Year</b>	<b>Carryover</b>	<b>Tax Levy</b>	<b>Gen Oblig.</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
<b>2015 Request</b>					<b>\$240,000</b>	<b>(29%)</b>	
2014	321,095	100,000	240,000		340,000	39%	
2013	451,900		245,000		245,000	(6%)	
2012	190,000		261,900		261,900	176%	81,426
2011	255,800		95,000		95,000		87,913
2010	409,700		95,000		95,000		27,126
2009	831,700				0		248,147
2008	955,700		160,800		160,800		793,020
2007	955,700				0		216,430
<b>Total</b>		100,000	1,097,700		1,197,700		1,454,062
<b>Average</b>			182,950		149,713		242,344

This on-going program provides funding for building alteration projects to comply with the Americans with Disabilities Act Accessibility Guidelines, respond to new and updated regulations, and improve access to City facilities for the disabled. Alteration projects provide access to building entrances, restrooms, public telephones, drinking fountains, lobbies, meeting rooms and office space in the City Hall complex as well as outlying City facilities.

Since 2001, \$3.8 million has been budgeted for this program. Actual expenditures from 2001 through 2012 were \$2.6 million. Average annual funding between 2001 and 2005 was \$462,000. Funding from 2006 through 2010 was somewhat intermittent, but it appears to have stabilized and averages \$236,000 per year.

All of the projects proposed for 2015 are related to recreational facilities. The City recently received a \$20,000 grant for play equipment at 90<sup>th</sup> and Bender which is scheduled in 2014. (see Common Council file 131567)

In the spring of 2011, the City of Milwaukee participated in the Department of Justice's (DOJ) Project Civic Access (PCA) program. Through this program, the DOJ works cooperatively with state and local governments to ensure that they are in compliance with the American's with Disabilities Act. Staff from the DOJ inspected all City facilities and will issue a report of their findings in the coming months. The City will generally have two years to address deficiencies noted in the report. The report has not been received.

The City has funded various ADA compliance programs through the years and DPW staff believes the DOJ report will not present unexpected challenges. In the event there are significant upgrades required, the DOJ has worked with municipalities in the past to extend compliance dates to avoid undue financial hardship.

2012 was the first year that funding for ADA improvements to recreational facilities has been included in this program. In the past, ADA improvements to recreational facilities were funded through a separate Recreational Facilities Program capital account.

**2015 Plan**

Recreational Facilities

Foundation Park	\$75,000
67 <sup>th</sup> & Spokane	\$90,000
17 <sup>th</sup> & Vine	<u>\$75,000</u>
	\$240,000

**Annual Request**

2015	\$240,000
2014	\$490,000
2013	\$320,000
2012	\$311,900
2011	\$307,200

**Six Year Request**

2015	\$1,490,000
2014	\$1,740,000
2013	\$1,724,800
2012	\$1,656,700
2011	\$1,652,000

<b>Title</b>	<b>Positions</b>	<b>FTE</b>	<b>Amount</b>
Professional/Inspection	2	0.34 each	\$48,000

**Facilities Exterior Program**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$4,623,800</b>	<b>121%</b>	
2014	673,795		2,088,000		2,088,000	126%	
2013	901,929		923,000		923,000	115%	
2012	2,353,246		430,000		430,000	(53%)	1,069,549
2011	1,852,412		923,400		923,400	(35%)	1,667,485
2010	1,184,873		1,409,700		1,409,700	71%	707,425
2009	792,700		825,000		825,000	76%	357,274
2008	1,029,119		469,000		469,000	162%	529,473
2007	1,720,418		178,700		178,700		935,607
<b>Total</b>			7,246,800		7,246,800		5,266,813
<b>Average</b>			905,850		905,850		877,802



This on-going program maintains City facilities in a watertight, energy efficient and safe condition. Typical activities include roof repairs, tuck pointing, caulking and sealing, window, entry door and overhead door replacement, yard and lot paving, exterior lighting improvements, foundations, and other miscellaneous facility exterior maintenance items.

Since 2000 \$10.4 million has been budgeted for this program. Annual funding for this program has been highly variable. The six year request for this program is \$4,000,000 each year from 2016 through 2020 and has increased by \$16.2 million (193%) from last year's six year request.

**2015 Plan**

Building envelope	\$2,400,000
Anderson tank repairs	\$175,000
EPDM Roof replacements	\$1,397,700
Anderson Tower	
Industrial road	
Lincoln Garage	
Safety Academy stained glass façade	\$185,000
Pavement Repair	\$533,800
20 <sup>th</sup> & Holt	
Sanitation Central II	
Lincoln Garage	
Overhead Door replacements	\$75,000
Forestry South HQ	
Lincoln Garage	
Various Emergency Repairs	<u>\$200,000</u>
<b>Total</b>	<b>\$4,623,800</b>

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$4,623,800	2015	\$24,623,800
2014	\$3,470,000	2014	\$8,395,500
2013	\$1,651,000	2013	\$8,176,000
2012	\$555,000	2012	\$6,005,000
2011	\$1,200,000	2011	\$7,200,000

<b>Title</b>	<b>Positions</b>	<b>FTE</b>	<b>Amount</b>
Professional/Inspection	6	.66 each	\$282,464

## City Hall Complex Remodeling – Misc.

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>440,000</b>	<b>130%</b>	
2014	48,480	101,000	90,000		191,000	91%	
2013	101,816		100,000		100,000	0%	
2012	41,078		100,000		100,000	100%	87,120
2011	46,892		50,000		50,000	(37%)	46,117
2010	122,100		80,000		80,000		75,228
2009	412,797				0		216,790
2008	929,900				0		256,693
2007	829,900		100,000		100,000		709,256
<b>Total</b>			520,000		621,000		1,391,204
<b>Average</b>			86,667		77,625		231,867

This program provides the funding to address the architectural and mechanical remodeling work needed in the City Hall Complex. The remodeling work will create functional, efficient, and safe working environments, meet new State of Wisconsin energy, safety and building code requirements and address environmental concerns such as asbestos. In addition, this program will address interior building restoration work and departmental organizational changes.

Since 2000, \$6.2 million has been budgeted for this program. Average annual funding between 2000 and 2006 was \$545,000. The level of funding dropped significantly in 2007. Since that time average annual funding has been \$61,000. DPW estimates that between \$2 million and \$4 million is necessary to address ongoing remodeling issues in the City Hall Complex. The six year request reflects that estimate by seeking \$2 million in 2016, \$3 million in 2017 and \$4 million from 2018 through 2020 for a total of \$17.4 million. No specific projects were outlined in the request.

### Annual Request

2015	\$440,000
2014	\$150,000
2013	\$200,000
2012	\$100,000
2011	\$50,000

### Six Year Request

2015	\$17,440,000
2014	\$1,400,000
2013	\$1,450,000
2012	\$1,350,000
2011	\$12,369,000

Title	Positions	FTE	Amount
Professional/Inspection	2	0.61	\$66,000

## Municipal Garage/Outlying Facilities Remodeling

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>500,000</b>	<b>481%</b>	
2014		86,000			86,000	(94%)	
2013	764,613		1,400,000		1,400,000	115%	
2012	472,960		650,000		650,000	63%	324,013
2011	349,025		400,000		400,000	36%	477,224
2010	965,000		295,000		295,000	23%	366,514
2009	1,525,000		240,000		240,000	37%	638,454
2008	2,650,298		175,000		175,000	250%	1,900,590
2007	3,452,659		50,000		50,000		752,399
<b>Total</b>		86,000	3,210,000		3,296,000		4,459,194
<b>Average</b>			458,571		412,000		743,199

This on-going program was designed to provide funding for the basic functional needs of DPW's municipal garage facilities, many of which have surpassed their useful life. Because of their age, many of the garages do not accommodate the use of modern diagnostics in a current repair environment. The program specifically addresses the replacement of major operational systems – hydraulic lifts, material handling equipment and pneumatic systems – that do not comply with current safety codes.

The program also addresses the functional and operational needs of other outlying facilities not covered by other programs. In 2012, funding for recreational facilities was added to this program. The Capital Improvements Committee has consistently recommended that funding for recreational facilities be returned to a discrete program.

The 2015 six year capital request seeks \$1 million in 2016, \$2 million in 2017 and 2018, and \$2.5 million in 2019 and 2020. The total request has increased by \$7.7 million (270%) from last year's six year request.

Funding was provided in the 2014 Budget to replace hydronic heating in the nursery greenhouse, and for upgrades to recreational facilities.

### 2015 Plan

Block Heaters	\$200,000
Central Garage CNG Repair Design	\$100,000
Radiant Heaters at Lincoln Garage storage bays	\$150,000
Recreational Facilities	<u>\$50,000</u>
<b>Total</b>	<b>\$500,000</b>

### Annual Request

2015	\$500,000
2014	\$336,000
2013	\$1,450,000
2012	\$850,000
2011	\$1,700,000

### Six Year Request

2015	\$10,500,000
2014	\$2,836,000
2013	\$3,450,000
2012	\$2,850,000
2011	\$6,200,000

Title	Positions	FTE	Amount
Professional/Inspection	3	0.29 each	\$61,000

## Facilities Systems Program

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,797,500</b>	<b>59%</b>	
2014	743,751		1,765,000		1,765,000	22%	
2013	823,124		1,446,000		1,446,000	(21%)	
2012	926,119		970,000	855,000	1,825,000	197%	954,367
2011	661,119		615,000		615,000	(60%)	899,691
2010	1,500,000		685,000	855,000	1,540,000	3%	1,017,182
2009	3,868,500		1,500,000		1,500,000	(38%)	2,302,286
2008	4,412,074		2,400,000		2,400,000	118%	4,069,493
2007	6,691,782		1,099,500		1,099,500		4,634,481
<b>Total</b>			10,480,500	1,710,000	12,190,500		13,877,500
<b>Average</b>			1,310,063		1,523,813		2,312,917

This on-going program is used to sustain the operating systems of approximately 95 City owned buildings. Operating systems include heating, ventilating and air-conditioning, plumbing, fire protection, electrical distribution, lighting, chillers, boilers, computerized facility management, security and life safety.

Since 2000, \$30.6 million has been budgeted for this program. Average annual funding since 2000 has been nearly \$2.1 million. City funding decreased from 2010 through 2012 but the decrease was somewhat offset by grant funding. Annual funding since 2007 is \$1.3 million. The six year request for this program has increased by \$2.9 million (20%) from last year's (2014) request.

### Request Summary – 2015

2015	\$2,797,500
2016	\$2,500,000
2017	\$2,500,000
2018	\$3,000,000
2019	\$3,000,000
2020	<u>\$3,500,000</u>
<b>Total</b>	<b>\$17,297,500</b>

Programming decisions are made using the Facilities Condition Assessment Program which provides condition data on City buildings. A list of projects was included with the request.

**Useful Life**      25 years

#### Annual Request

2015	\$2,797,500
2014	\$3,353,350
2013	\$2,532,000
2012	\$1,170,000
2011	\$1,020,000

#### Six Year Request

2015	\$17,297,500
2014	\$14,353,350
2013	\$10,132,000
2012	\$7,570,000
2011	\$15,020,000

Title	Positions	FTE	Amount
Professional/Inspection	5	.5 each	\$178,200

## Space Planning Alterations and Engineering

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$205,000</b>		
2014	0	205,000	0		205,000		
2013	96,723	140,000	65,000		205,000		
2012	114,193	150,000	55,000		205,000	23%	255,355
2011	0		166,000		166,000	4%	139,350
2010	148,554		160,000		160,000	3%	210,561
2009	110,000		155,000		155,000	41%	102,625
2008	79,635		110,000		110,000	(27%)	119,194
2007	150,000		150,000		150,000		194,679
<b>Total</b>		495,000	861,000		1,356,000		1,021,764
<b>Average</b>			107,625		169,500		170,294

This program provides funds for architectural and engineering services related to office space studies, including the preparation of preliminary plans and cost estimates for proposed projects, and unscheduled interior office alterations for City departments. It also provides funding for the inspection of the City buildings which are the responsibility of DPW and the maintenance of condition data for those buildings.

Since 2001 this program has received \$2.0 million in funding. Funding has been fairly consistent except for 2004 and 2005 when \$0 and \$50,000 were budgeted. A proposed spending plan for 2015 was not included in the request.

### Request Summary – 2015

2015	\$205,000
2016	\$250,000
2017	\$250,000
2018	\$300,000
2019	\$300,000
2020	<u>\$400,000</u>
<b>Total</b>	<b>\$1,705,000</b>

Plan	2015	2014	2013	2012	2011
Space planning		\$15,000	\$15,000	\$15,000	\$12,000
General dept. reorganization and alteration		\$40,000	\$40,000		\$84,000
General engineering & facility inspection		\$150,000	\$150,000	\$150,000	\$70,000
4 bay vehicle repair area				\$40,000	
<b>Total</b>	<b>\$205,000</b>	<b>\$205,000</b>	<b>\$205,000</b>	<b>\$205,000</b>	<b>\$166,000</b>

**Useful Life**      20 years

### Annual Request

2015	\$205,000
2014	\$205,000
2013	\$205,000
2012	\$205,000
2011	\$166,000

### Six Year Request

2015	\$1,705,000
2014	\$1,158,000
2013	\$1,125,000
2012	\$1,125,000
2011	\$1,086,000

Title	Positions	FTE	Amount
Professional	3	0.8 each	\$173,000

## City Hall Hollow Walk Structural Repairs

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$10,000,000</b>	<b>%</b>	
2014	1,710,000				0		
2013	5,060,000				0		
2012	7,660,000				0		164,563
2011	5,341,275		3,160,000		3,160,000	17%	244,102
2010	2,988,117		2,700,000		2,700,000	50%	297,587
2009	1,200,000		1,800,000		1,800,000	50%	87,600
2008	0		1,200,000		1,200,000		34,193
2007	0				0		0
<b>Total</b>			8,860,000		8,860,000		828,045
<b>Average</b>					1,107,500		138,008

Significant repair and restoration work is needed to address age related deterioration of key elements of City Hall, including wood foundation piles, pile caps, below grade hollow sidewalk walls, and structural concrete beams and sidewalk. Capital funding began in 2008 with \$1.2 million for professional design services. \$1.8 million, \$2.7 million and \$3.2 was allocated in 2009, 2010 and 2011 respectively.

### Background

The City contracted with Facilities Value Management (FVM) in June 2010 to provide owner representative services. It was anticipated that a design/build firm would be selected in early 2011. The project was placed on hold on March 1, 2011 by Common Council file 101367 in response to the failure of a terra cotta piece on the south tower of City Hall on February 17, 2011. In July of 2012 DPW was authorized to enter into a contract for Task 1 of the City Hall Foundation project.

Because the Foundation project was on hold and there was insufficient funding in the City Hall Restoration Program account to pay for the terra cotta investigation, Common Council file 111320 transferred \$2.6 million from this account to the Restoration Account to be used to complete the investigation and begin the design process. Common council file 131055 (12/17/2013) transferred an additional \$1,450,000 to the Building Exterior Façade program. \$1,900,000 in general obligation carryover borrowing authority lapsed at the beginning of 2014.

The 2015 capital request seeks \$10 million each year in 2015, 2016 and 2017 to continue the Foundation project.

**Useful Life**      100 years

#### Annual Request

2015	\$10,000,000
2014	\$0
2013	\$0
2012	\$5,840,000
2011	\$4,500,000

#### Six Year Request

2015	\$30,000,000 (2015,2016,2017)
2014	\$0
2013	\$0
2012	\$5,840,000
2011	\$9,000,000

Title	Positions	FTE	Amount
Professional/Inspection	2	0.28 each	\$40,000

## North Point Lake Tower

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$340,000</b>		

This is a **new** request for a two year project to make repairs to the North Point Lake Tower in 2015 and 2016. DPW assessed the structure in 2013 and determined that repairs were necessary. The total cost of the project is estimated to be \$740,000.

**Useful Life**      100 years

<b>Annual Request</b>	<b>Six Year Request</b>
2015    \$340,000	2015    \$740,000 (2015, 2016)

Title	Positions	FTE	Amount
Professional/Inspection	2	0.08 each	\$6,800

## Energy Efficiency & Renewable Energy Initiative (SP4)

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$150,000</b>		
2014	16,308		150,000		150,000		
2013	150,000		150,000		150,000		
2012	150,000		150,000		150,000		144,739
2011			150,000		150,000		137,571
<b>Total</b>			600,000		600,000		282,310
<b>Average</b>			150,000		150,000		141,155

This program, established in 2011, will be used to match grant funding for projects which will reduce the City's energy use. The City has established a goal of reducing energy consumption by 15%. Grant funding will be sought to implement projects identified by energy audits which will provide energy use related savings.

The six year request seeks \$200,000 each year from 2016 through 2019 and \$250,000 in 202. This is a reduction of \$3.5 million (74%) from last year's six year request. Incentives for energy efficiency project had been strongly supported by the state and the utilities. The incentives are less available now, reducing the need for matching funds. No specific projects or grants were identified in the 2015 request.

<b>Annual Request</b>	<b>Six Year Request</b>
2015    \$150,000	2015    \$1,200,000
2014    \$150,000	2014    \$4,700,000
2013    \$150,000	2013    \$4,650,000
2012    \$150,000	2012    \$4,650,000
2011    \$1,100,000	2011    \$5,600,000

Title	Positions	FTE	Amount
Professional/Inspection	2	0.11 each	\$16,500

## Hartung Park Landfill Closure

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$200,000</b>		
2014					0		
2013	140,000				0		
2012	0	60,000	140,000		200,000		8,900
<b>Total</b>		60,000	140,000		200,000		8,900

This capital account was created in 2012 to finalize the closure of the landfill and make improvements for future use as a recreational area. \$200,000 in funding was provided in the 2012 Budget. The 2014 capital request anticipated needed \$200,000 in 2015. No funding has been requested past 2015.

**Useful Life**                      50 years

**Annual Request**

2015    \$200,000  
 2014    \$0  
 2012    \$100,000

**Six Year Request**

2015    \$200,000  
 2014    \$200,000  
 2012    \$100,000

Title	Positions	FTE	Amount
Professional/Inspection	1	0.06	\$4,000



## *Updates and Past Requests*

### **Playground Improvement Challenge Fund**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014			60,000		60,000	(40%)	
2013			100,000		100,000		
<b>Total</b>			160,000		160,000		
<b>Average</b>			80,000		80,000		

This capital account was created by the 2013 Budget to provide matching funds for privately raised funds for playground improvement projects. The 2014 Budget provided an additional \$60,000. DPW **did not request funding for this program in 2014 or 2015**. The Capital Improvements Committee recommended on-going funding of this program.

### **Recreational Facilities Program**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014	7,754				0		
2013	109,913				0		
2012	283,191				0		109,058
2011	154,540		151,000		151,000	(61%)	0
2010	300,000		388,240		388,240	29%	280,896
2009	0		300,000		300,000		337,277
2008		300,000			300,000	3%	295,468
2007		292,000			292,000		507,067
<b>Total</b>		592,000	839,240		1,431,240		1,529,766
<b>Average</b>							254,931

This on-going program had been used for the improvement of neighborhood recreation facilities, including DPW play areas and stand-alone recreation sites operated and maintained by Milwaukee Public Schools. The 2012 capital request moved funding from the Recreational Facilities to the ADA Compliance Program and the Municipal Garage/Outlying Facility Program.

Average budgeted funding from 2007 through 2010 decreased approximately 36% from the budgeted average of the years 2001 through 2006. The capital requests each year indicate the funding projected to be used for recreational facilities (see table below) but there is no way to determine projected funding for recreational facilities through the end of the six year cycle.

The Capital Improvements Committee has consistently recommended that funding for recreational facilities be returned to a separate program.

The City recently received a \$20,000 grant for play equipment at 90<sup>th</sup> and Bender which is scheduled in 2014. (see Common Council file 131567)

Program	2015	2014	2013	2012
ADA Compliance	\$240,000	\$265,000	\$170,000	\$161,900
Muni Garage/Outlying Facilities	\$50,000	\$50,000	\$50,000	\$50,000
<b>Total</b>	<b>\$290,000</b>	<b>\$315,000</b>	<b>\$220,000</b>	<b>\$211,900</b>

**Useful Life**                      Varies

<b>Annual Request</b>	<b>Six Year Request</b>
2011    \$489,000	2011    \$2,989,500

### Municipal Service Building Reserve

The Municipal Service Building Relocation capital account was created in 2012 to identify and procure a location, and set up a program for a new facility which will replace the Municipal Service Building (1540 W. Canal St.) and the Traffic Sign Shop (1430A W. Canal St.) Relocation is being considered due to the age and required maintenance costs of the facility as well as the potential economic benefit of the facility being converted to private use. \$75,000 was budgeted to the relocation account in 2012 and 2013. There is **no additional request for funding of the relocation project in 2015.**

This was a new request in 2014 to provide funding for any emergency repairs to the Municipal Service Building that may be required before the facility can be relocated. The 2014 six year request included \$100,000 each year from 2014 through 2016. This project was not funded in 2014. **No request was submitted in 2015.**

### Facilities Condition Assessment program

In 2012, DPW requested \$140,000 to establish a new capital program to fund the on-going inspection of City buildings and the maintenance of a building condition database. The information gathered in this program will provide important asset maintenance data and serve as a valuable budgeting and infrastructure preservation tool. The Committee has strongly recommended including funding for this new program.

DPW has completed inspections of many of the City's buildings and continues to refine the Facility Condition Assessment Program database. The cost of the inspection has been partially funded by the Space Planning program, departmental reimbursement's and DPW's operating budget. **No request was submitted for 2015.**

### Building Exterior Façade Restoration

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013	271,033				0		
2012	385,400				0		402,224
2011	0		385,400		385,400		72,798
2010					0		0
2009					0		0
2008							
2007							
<b>Total</b>			385,400		385,400		475,022

This program corrects façade deficiencies in City owned buildings. City Ordinance #275-32-13, enacted in 2001, requires the owner of any building in the City that is five stories or greater to complete a critical exam to determine if the façade of their building is in a safe condition. The inspections required by the ordinance were performed in 2006. \$1,450,000 was transferred to this account in 2013 from the City Hall Foundation project account for the design of the terra cotta repair. (Common Council file 131055)

**No request was submitted for this program in 2015.**

Annual Request		Six Year Request	
2015	\$	2015	\$
2014	\$0	2014	\$1,500,000
2013	\$0	2013	\$1,500,000
2012	\$590,000	2012	\$2,090,000
2011	\$385,000	2011	\$2,159,300

### MacArthur Square Plaza Renovation

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013	1,075,563				0		
2012	1,001,653		251,000		251,000	2%	4,483
2011	780,173		247,000		247,000		479,560
2010	1,033,812				0		71,098
2009	500,000		534,000		534,000	7%	200,587
2008	0		500,000		500,000		699
2007	0				0		0
<b>Total</b>			1,532,000		1,532,000		756,427

The MacArthur Square Plaza was construction in the mid-1960s. A 2005 engineering condition report outlined major deficiencies to all elements of the Plaza, including landscaping, irrigation, pool and fountain, architectural and structural elements, plumbing and electrical lighting. Cost estimates for restoration range between \$16 million and \$19.2 million.

**No capital request was submitted in 2015** for this project. Funding in 2012 was provided to replace the waterproofing that protects the parking structure beneath the plaza. The funding provided in 2011 was used to restore the concrete deck, lighting, handrails and stonework on the lower plaza.

The funding provided in 2012 was to maintain MacArthur Square as a safe, functioning structure. The plaza as it is currently configured is underutilized. **Long range restoration or redevelopment were not addressed in this request.**

Annual Request		Six Year Request	
2014	\$0	2014	\$1,028,000
2013	\$0	2013	\$1,295,000
2012	\$251,000	2012	\$1,546,000
2011	\$247,000	2011	\$1,542,000

## Storm Water Management

This is was a new request in 2014 for an on-going program that will be used to provide matching funds to supplement MMSD grant funding for storm water reduction projects. No projects were identified in the 2014 request. The program was not funded in the 2014 Budget. **No capital request was submitted in 2015.**

## City Facilities Consolidation

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013	60,000	60,000			60,000		
2012			60,000		60,000		0
<b>Total</b>		60,000	60,000		120,000		

This capital account was created in 2012 to provide funding to study the consolidation of all city Facilities Management functions into the Department of Public Works. Facility management services provided by DPW include custodial and maintenance functions. Many city buildings are the responsibility of various departments. This program would identify efficiencies that could be realized by having DPW provide management services for a larger portion of the City's buildings. No funding was provided in the 2014 Budget. **No capital request was received in 2015**

Annual Request		Six Year Request	
2014	\$60,000	2014	\$60,000
2013	\$60,000	2013	\$140,000
2012	\$60,000	2012	\$220,000
2011	\$	2011	\$

## Municipal Service Building Relocation

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013	75,000		75,000		75,000		
2012	0		75,000		75,000		40,411
<b>Total</b>			150,000		150,000		40,411

This capital account was created in 2012 to identify and procure a location, and set up a program for a new facility which will replace the Municipal Service Building (1540 W. Canal St.) and the Traffic Sign Shop (1430A W. Canal St.) Relocation is being considered due to the age and required maintenance costs of the facility as well as the potential economic benefit of the facility being converted to private use. **No request was submitted in 2014 or 2015.**

**This request does not include funding to build the new facility.**

Annual Request		Six Year Request	
2013	\$250,000	2013	\$350,000
2012	\$150,000	2012	\$500,000
2011	\$	2011	\$

## IT Equipment Room Compliance Program

**This project is on HOLD per DPW – no request submitted for 2012, 2013, 2014 or 2015**

This program would investigate the current definition of an information technology equipment room, determine which rooms throughout the City meet that definition and make necessary upgrades to the rooms to bring them in compliance with current building codes.

Building codes now have special and specific construction, power source, fire suppression and ventilation requirements for technology data rooms. **This program may require significant future capital expenditures to bring existing data and computer rooms into compliance.** This program has received no capital funding,

## ZMB Lower Parking Floor Restoration

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2014					0		
2013	342,368				0		
2012	1,584,441				0		79,617
2011	86,500		1,530,000		1,530,000	1,669%	1,240,926
2010	0		86,500		86,500		532
2009	0				0		47
2008	0						0
2007	0						
<b>Total</b>			1,616,500		1,616,500		1,321,122

A defect in the garage floor in the Lower Parking area of the ZMB was discovered in 2008. Professional design services (\$86,500) were included in the 2010 Budget. Construction of the new floor began in June 2011. The project was completed in 2011 11% under budget.

In March 2012, \$105,000 transferred from ZMB Lower Parking Capital Account to the Building Exterior Façade Restoration capital account. Transfer will facilitate the completion of the façade repairs on the east and west ends of the ZMB

**Annual Request**  
2011 \$1,530,000

**Six Year Request**  
2011 \$1,530,000



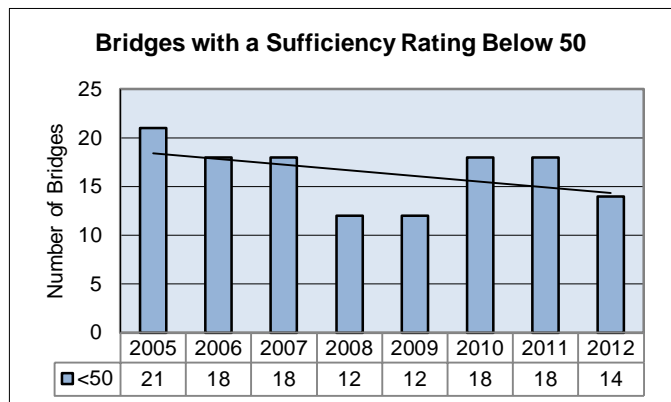
## Department of Public Works - Infrastructure

### Major Bridge Program

(in thousands)

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>			<b>\$100</b>	<b>\$67</b>	<b>\$167</b>	<b>%</b>	
2014	600		260	1,040	1,300		
2013	6,854		100	5,655	5,755	(12%)	
2012	4,139		500	6,035	6,535	(78%)	1,429
2011	762		6,354	23,116	29,470	265%	1,407
2010	6,504	500		7,572	8,072	55%	1,664
2009	5,887		762	4,436	5,198	(69%)	4,282
2008	2,841		3,046	13,922	16,968	10%	3,723
2007	0		2,841	12,648	15,489		1,587
<b>Total</b>		500	13,863	74,424	88,787		14,095
<b>Average</b>			1,980	9,303	11,099		2,349

Major bridges are those bridges that are part of the major arterial and connector infrastructure within the City and are eligible for federal and/or state aid. The City's share of these major bridge projects is normally 20%. Funding for this program is fluid, largely dependent on when projects are scheduled in the grantor funding cycle. Anticipated grant funding for 2015 is \$66,667. With the exception of 2011 when TIGER grant funding was received, grants have been trending downward in the Major Bridge program since 2010.



This program has \$600,000 in carryover borrowing authority at the beginning of 2014. Because of the complexity of bridge projects, it is not unusual for a bridge to be constructed in a year other than the year it was initially funded. Therefore large amounts of bridge funding in a particular year may not correspond to a large amount of construction in that year.

A key challenge in the Major Bridge Program is its dependence on State and Federal Aid. There is increased competition for limited aid dollars as the nation's bridge infrastructure continues to age. This will put increasing pressure on the Local Bridge Program.

#### Annual Request

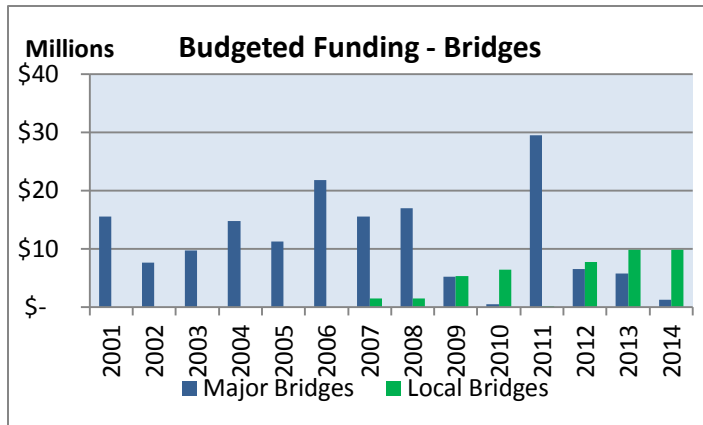
	Borrowing	Grant/Aid	Total
2015	100,000	66,667	\$166,667
2014	\$260,000	\$1,040,000	\$1,300,000
2013	\$100,000	\$5,655,000	\$5,755,000
2012	\$500,000	\$6,035,000	\$6,536,000
2011	\$6,354,000	\$23,116,000	\$29,470,000

#### Six Year Request History

	Borrowing	Grant/Aid	Total
2015	4,768,000	16,892,000	\$21,660,000
2014	\$4,920,000	\$23,000,000	\$27,920,000
2013	\$4,050,000	\$21,455,000	\$25,505,000
2012	\$4,191,000	\$20,799,000	\$24,990,000
2011	\$15,071,000	\$59,719,000	\$74,790,000

## Local Bridge Program

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$10,010,000</b>	<b>2%</b>	
2014			9,815,000		9,815,000	0%	
2013	13,612,965		9,785,000		9,785,000	26%	
2012	11,900,000		7,782,000		7,782,000	3,791%	3,764,703
2011	11,700,000		200,000		200,000	(97%)	5,198,776
2010	12,621,000		6,425,000		6,425,000	22%	3,543,071
2009	7,487,956		5,275,000		5,275,000	266%	905,447
2008	6,047,956		1,440,000		1,440,000	(2%)	397,813
2007	6,117,956		1,475,000		1,475,000		585,626
<b>Total</b>			42,197,000		42,197,000		14,395,436
<b>Average</b>			5,274,625		5,274,625		2,399,239



Structures within the Local Bridge Program are essentially all those bridges within the City that are not eligible for federal and/or state aid or where federal and state aid is not available or is insufficient. This program now includes high cost movable bridges, which have been deemed ineligible for WisDOT aid. City funding for this program covers maintenance work, structural repairs, painting, mechanical upgrades, inspection and engineering as well as funds bridge inspections and miscellaneous administrative and engineering costs.

This program was first funded in 2007. Since then the program has faced increasing pressure as higher cost bridges have become ineligible for state funding and the City's bridge network continues to age. At the end of 2005 there were 21 bridges that had sufficiency ratings below 50. At the end of 2012, there were 14.

### Annual Request

2015	\$10,010,000
2014	\$9,815,000
2013	\$9,785,000
2012	\$10,435,000
2011	\$200,000

### Six Year Request

2015	\$62,065,000
2014	\$61,820,000
2013	\$57,835,000
2012	\$64,810,000
2011	\$37,975,000

### Request Summary - 2015

2015	\$10,010,000
2016	\$10,275,000
2017	\$10,980,000
2018	\$10,500,000
2019	\$10,300,000
2020	<u>\$10,000,000</u>
<b>Total</b>	<b>\$62,065,000</b>



	<b>Construction Start</b>	<b>Opened</b>
<b>Bridges Proposed for Construction in 2014</b>		
45th Street Bridge over the Menomonee River	May 2014 Estim	Oct. 2014 - Estim
27th Street Bridge over the KK River	April 2014 - Estim	Nov. 2014 - Estim
1st Street Bridge over the KK River;	May 2014 - Estim	Nov. 2014 - Estim
Lisbon Avenue Bridge over the CPRR	May 2014 - Estim	Nov. 2014 - Estim
Granville Road Bridge over Little Menomonee (removal)	Sept. 2014 - Estim	Nov. 2014 - estim
St. Paul Avenue Bridge over the Milwaukee River	2013	June 2014 - Estim
**Hank Aaron State Trail Ped Bridge @ 6th Street Viaduct	2013	May 2014 - Estim
<b>Bridges Constructed in 2013</b>		
Pleasant Street Lift Bridge	2012	July 2013
**Hank Aaron State Trail Ped Bridge @ 6th Street Viaduct	Sept. 2013	May 2014 - Estim
St. Paul Avenue over the Milwaukee River	July 2013	June 2014 - Estm
**Hank Aaron State Trail Ped Bridge @ S. 33rd Ct	2012	July 2013
**Hank Aaron State Trail Ped Bridge over CP RR	2012	July 2013
Capitol Drive Bridge over Menomonee River	May 2103	Nov. 2013
**Marsupial Trestle Bridge (1870 N. Commerce)	Jan. 2013	Aug. 2013
**KK River Trail Ped Bridge over Chase Ave	Nov. 2012	Oct. 2013
<b>Bridges Constructed in 2012</b>		
Wisconsin Avenue Bridge over the Milwaukee River	2011	Aug. 2012
Juneau Ave Bridge over the Milwaukee River	2011	Nov. 2012
Pleasant Street Lift Bridge	Sept 2012	July 2013
**Hank Aaron State Trail Ped Bridge @ S. 33rd Ct	June 2012	July 2013
**Hank Aaron State Trail Ped Bridge over CP RR	June 2012	July 2013
**KK River Ped Bridge over Chase Ave	Nov. 2012	Oct. 2013
<b>Bridges Constructed in 2011</b>		
County Line Road Bridge over the Little Menomonee River		July 2011
Clybourn Ave. Lift Bridge		July 2011
Wisconsin Avenue Bridge over the Milwaukee River	2011	Aug 2012
Juneau Avenue Bridge over the Milwaukee River	2011	Nov 2012
**New bridges		



## Major Street Program

(in thousands)

Year	Carryover	Special Assess	Gen Oblig.	Grant & Aid	Total	% Δ	Actual*
<b>2015 Request</b>		<b>120</b>	<b>5,387</b>	<b>45,378</b>	<b>45,049</b>	<b>(10%)</b>	
2014		1	6,214	43,778	49,993	(3%)	
2013	18,090	1	435	50,900	51,336	(34%)	
2012	13,044	1	9,776	68,556	78,334	31%	4,082
2011	10,344	0.1	8,314	51,505	59,819	277%	4,436
2010	22,292	194	4,760	10,936	15,860	(54%)	5,378
2009	18,335	0.1	4,230	30,450	34,680	31%	7,435
2008	11,864	1,260	6,471	42,460	50,192	70%	6,746
2007	6,467	661	5,397	23,442	29,500		10,177
<b>Total</b>		<b>2,118</b>	<b>45,598</b>	<b>322,029</b>	<b>369,715</b>		<b>33,820</b>
<b>Average</b>		<b>265</b>	<b>5,700</b>	<b>40,254</b>	<b>46,214</b>		<b>6,764</b>

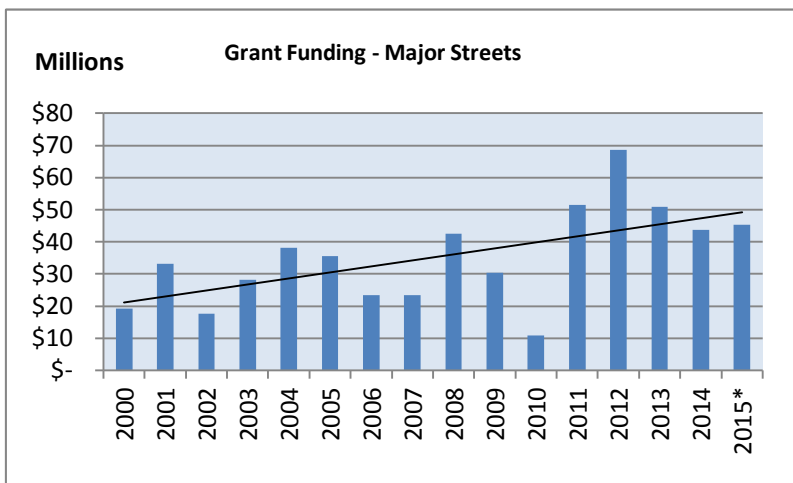
\*Does not include grant and aid

Arterials and collectors are eligible for county, state, and federal funding and are part of the City's Major Street Program. Funding programs include the State Transportation, Connecting Highways, State Trunk Highways, County Trunk Highway, Highway Safety Improvement and Local Road Improvement programs.

### Request Summary - 2015

	Borrowing	Grant/Aid	Assess	Total
2015	\$7,451,528	\$37,207,907	\$390,000	\$45,049,435
2016	\$4,947,150	\$30,118,950	\$857,000	\$35,924,000
2017	\$5,400,200	\$31,022,600	\$432,000	\$36,855,500
2018	\$7,993,200	\$40,163,960	1,510,500	\$49,667,660
2019	\$6,398,800	\$24,485,600	\$652,600	\$31,537,000
2020	\$10,706,300	\$40,894,200	\$1,463,500	\$53,064,000
<b>Total</b>	<b>\$42,897,178</b>	<b>\$203,893,217</b>	<b>\$5,307,200</b>	<b>\$252,097,595</b>

Funding for this program is highly variable because it is dependent on receiving state and federal aid.



Uncertainties in funding for the transportation bill at the federal level make it especially difficult to project funding levels for this program in the out years. In even years, grant funding from the Local Road Improvement Program (LRIP) can be used to pave streets which would not otherwise be eligible for grant funding. Grant funding for 2015 increased by \$1.6 million (3%) from 2014.

A consultant will complete the condition survey of all the City's streets in the spring of 2014. As of Dec

2011, there were 2,513 arterial street segments in good condition, 1,043 in fair condition and 1,837 in poor condition compared to 3,218, 1,359, and 816 segments in good, fair and poor condition respectively in 2007.

**The following major streets are scheduled for construction in 2014:**

- S. 27th Street: W. Howard Avenue – Union Pacific Railroad
- S. 35th Street: W. Mitchell Street – W. Greenfield Avenue
- W. Appleton Avenue (Hwy 41): W. Capitol Drive – N. 107th Street
- W. Hampton Avenue: N. Teutonia Avenue – N Green Bay Avenue
- S. Howell Avenue (STH 38): W. Ryan Road to W. Grange Avenue
- N. Mayfair Road/N. Lovers Lane Road: W. Burleigh Street – W. Silver spring Drive.

**Recent Construction Activity:**

- N. 27th Street: W. St. Paul Avenue – W. Highland Boulevard (2013)
- Capitol Drive: N. 84th Street – N. Mayfair Road (2013)
- 107th Street: W. Brown Deer Road – City Limits (2013)
- 20th Street: W. Hopkins Street – W. Capitol Drive (2012)
- 91st Street: N. Swan Road – W. Flagg Avenue (2012)
- Capitol Drive: N. 60th Street - N. 84th Street (2012)
- Morgan Avenue: S. 68th Street – S. 84th Street (2012)
- Port Washington Road: N. Dr. MLK Dr. – City Limits (2012)

**Useful Life**                      50 years

**Annual Request**

	Borrowing	Grant/Aid	Assess	Total
2015	\$7,451,528	37,207,907	390,000	\$45,049,435
2014	\$6,213,800	\$43,778,200	\$1,000	\$49,993,000
2013	\$435,000	\$50,900,000	\$1,000	\$51,336,000
2012	\$9,776,200	\$68,556,800	\$1,000	\$78,334,000
2011	\$8,314,100	\$51,505,230	\$100	\$59,819,430

**Six Year Request History**

	Borrowing	Grant/Aid	Assess	Total
2015	42,897,178	203,893,217	5,307,2500	252,097,595
2014	\$34,377,850	\$191,374,610	\$2,728,000	\$228,480,460
2013	\$31,851,300	\$217,952,800	\$3,083,900	\$252,888,000
2012	\$39,010,000	\$188,197,000	\$2,798,500	\$230,006,000
2011	\$36,076,715	\$163,530,060	\$5,849,400	\$205,456,175

## Local Street Program

Year	Carryover	Tax Levy	Gen Oblig.	Special Assess	Total	% Δ	Actual
<b>2015 Request</b>			<b>12,300,000</b>	<b>1,200,000</b>	<b>\$13,500,000</b>		
2014			12,500,000	1,000,000	13,500,000	(16%)	
2013	18,445,230		15,000,000	1,000,000	16,000,000	12%	
2012	14,291,600		14,297,500	100	14,297,600	0%	14,961,336
2011	9,947,224		14,291,600	100	14,291,700	19%	
2010	10,300,000		12,000,000	1,000	12,001,000	17%	11,415,552
2009	7,144,600		10,300,000	100	10,300,100	58%	9,367,035
2008	3,983,862	1,020,000	4,480,000	1,000,000	6,500,000	2%	8,149,714
2007	2,300,000	2,289,956	2,664,600	1,387,494	6,342,050		5,565,474
<b>Total</b>		3,309,956	85,533,700	4,388,794	93,232,450		49,459,111
<b>Average</b>			10,691,713	548,599	11,654,056		9,891,822

The 2015 request is for a total of \$13.5 million in capital funding. An additional \$2 million has been requested in the High Impact Paving program. Local Road Improvement Program (LRIP) funds from the state will not be available in 2014.

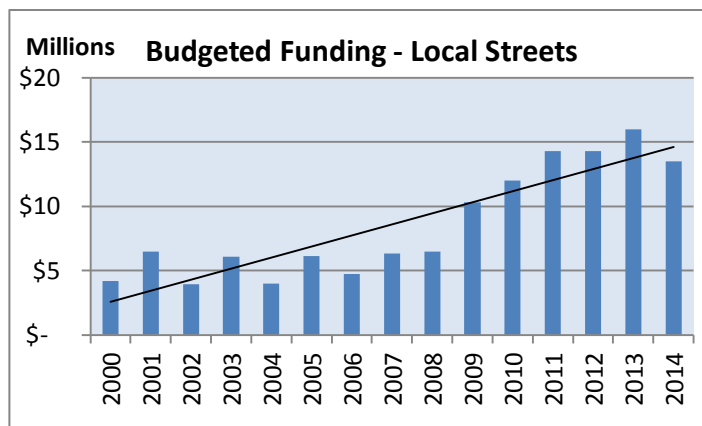
Requested funding in should pave approximately 13.5 miles of local streets in 2015. The actual number of miles paved with the provided level of funding will depend on the percentage of streets that are reconstructed as opposed to resurfaced. Final programming decisions have not been made. It is estimated that the replacement cycle will be approximately 65 years.

Using a replacement cycle based on average useful pavement life has limitations when trying to determine adequate funding levels. Different pavement types have different useful lives, regular maintenance can extend the useful life and utility cuts can shorten it. To begin addressing these issues, DPW has purchased a module for their pavement management system which allows them to track maintenance and other data in addition to reconstruction dates. This will enable DPW to more accurately predict when a street will reach the end of its useful life. Data reconciliation with the old Pavement Management System may be required before the system is fully operational.

### Request Summary – 2015\*

2015	\$13,500,000
2016	\$15,600,000
2017	\$15,600,000
2018	\$17,100,000
2019	\$16,300,000
2020	<u>\$17,100,000</u>
Total	\$95,200,000

\* Includes special assessments



Common Council File Number 080034 established an ordinance which adjusted the recovery ratios for certain assessable improvements. The ordinance also established a Motor Vehicle Registration Fee (MVR) whose revenues would be used to defray City costs for transportation related improvements. A minimum of 10% of MVR fee receipts must be allocated to street maintenance activities. DPW has allocated \$1.0 million of the total budget for the local road program in 2015 for

capital maintenance.

A consultant will complete a condition survey of all the City's streets in the spring of 2014. According to a condition report sent to the state, as of Dec 2011 there 3,793 local and collector street segments in good condition, 4,458 in fair condition and 4,425 in poor condition compared to 5,905, 5,314, and 1,727 segments in good, fair and poor condition respectively in 2007.

**Useful Life** 50 years

**Annual Request**

	Borrowing	Assess	Total
2015	\$12,300,000	\$1,200,000	\$13,500,000
2014	\$12,500,000	\$1,000,000	\$13,500,000
2013	\$15,000,000	\$1,000,000	\$16,000,000 (incl High Impact)
2012	\$13,700,000	\$100	\$13,800,000
2011	\$15,300,000	\$100	\$15,400,000

**Six Year Request History**

	Borrowing	Assess	Total
2015	\$87,700,000	\$7,500,000	\$95,200,000
2014	\$89,300,000	\$7,300,000	\$96,600,000
2013	\$90,700,000	\$7,200,000	\$97,900,000
2012	\$95,600,000	\$2,800,200	\$98,400,200
2011	\$85,800,000	\$2,100,300	\$87,900,300

**High Impact Paving Program**

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,000,000</b>	<b>(33%)</b>	
2014		2,000,000	1,000,000		3,000,000	200%	
2013			1,000,000		1,000,000		
<b>Total</b>		2,000,000	2,000,000		4,000,000		
<b>Average</b>			1,000,000		2,000,000		

This program was created by the 2013 Budget. High impact streets serve a higher number of businesses in commercial corridors. This program will target streets that may be eligible for state or federal aid, but for which aid is not currently available. The goal is to expedite street improvements and maintenance that will have an immediate benefit to adjacent business. This program will not include concrete work. There will be no property owner assessment.

The 2014 Budget provided \$3.0 million for High Impact streets an increase of \$2 million (200%) from the 2013 Budget.

<b>Request Summary – 2015</b>	
2015	\$2,000,000
2016	\$2,000,000
2017	\$1,000,000
2018	\$1,000,000
2019	\$1,000,000
2020	<u>\$1,000,000</u>
<b>Total</b>	<b>\$8,000,000</b>

Streets in this program are improved using an asphalt overlay. There are no assessments and projects can be estimated and bid in a short amount of time. Because there is no curb removal the projects have a minimal impact

on street lighting and traffic control facilities. Projects typically can be constructed in a few days, minimizing impacts on businesses and traffic patterns.

Approximately 2.65 miles of streets were scheduled for improvement with 2013 High Impact fund. Construction was delayed for some projects because the first round of bids came in too high. Some streets may be carried over and constructed in 2014. The 2014 High Impact Program is still being developed.

**Streets Improved using 2013 High Impact funds include:**

- E. Kilbourn Avenue: The Milwaukee River – N. Marshall Street
- N. Jefferson Street: E. Kilbourn Avenue – E Wells Street
- N. Water Street: E. Mason Street – E. Kilbourn Avenue
- N. Water Street @ E. Clybourn Avenue
- E. Michigan Street: N. Water Street – N. Van Buren Street

**Pending projects for 2013 include:**

- N. Prospect Avenue: E. Kilbourn Avenue – E. Ogden Avenue
- W. Center Street: N. 35th Street – N. Sherman Boulevard
- N. 107th Street south of Good Hope
- N/ 60th Street: W. Center Street – W. Appleton Avenue.

**Useful Life**            35 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$2,000,000	2015	\$8,000,000
2014	\$1,500,000	2014	\$9,000,000

**New Street Construction**

Year	Carryover	Tax Levy	Gen Oblig.	Special Assess	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>		
2014			200,000	150,000	350,000		
2013	378,235		0		0		
2012	568,174		200,000		200,000		22
2011	600,000				0		1,899
2010	600,000		200,000	50,000	250,000		
2009	400,000		200,000		200,000		92,452
2008	200,000		200,000		200,000		118,552
2007			200,000	100,000	300,000		154,455
<b>Total</b>			12,000,000	300,000	12,300,000		
<b>Average</b>			171,429		187,500		73,476

This program provides for the construction of presently unimproved streets to serve residential, commercial or industrial areas. These projects are sponsored by the City with a portion of the cost being recovered by special assessments levied against abutting properties. As of the request date, there were no requests for new streets.

**Useful Life**            50 years

**Annual Request**

	Borrowing	Assess	Total
2015	\$0	\$0	\$0
2014	\$200,000	\$150,000	\$350,000
2013	\$0	\$0	\$0
2012	\$0	\$0	\$0
2011	\$200,000	\$50,000	\$250,000

**Six Year Request History**

	Borrowing	Assess	Total
2015	\$600,000	\$450,000	\$1,050,000
2014	\$1,200,000	\$900,000	\$2,000,000
2013	\$1,000,000	\$750,000	\$1,750,000
2012	\$950,000	\$750,000	\$1,700,000
2011	\$1,200,000	\$800,000	\$2,000,000

**New Street – Developer Funded**

Year	Carryover	Tax Levy	Gen Oblig.	Revenue	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$400,000</b>		
2014				400,000	400,000		
2013				400,000	400,000		
2012	0			0	0		428,031
2011	0			0	0		424,896
2010	0			400,000	400,000		293,251
2009	0			400,000	400,000		1,457,226
2008	0			0	0		283,603
2007	0			0	0		25,846
<b>Total</b>				<b>1,600,000</b>	<b>1,600,000</b>		<b>2,912,853</b>
<b>Average</b>							<b>485,475</b>

This program provides for the construction of streets required to serve platted subdivisions and planned developments with funds provided by the developer. This fund is also used for street paving projects that are partially in other adjacent communities. The projects are constructed, then billed to the community.

\$1,350,000 was transferred into this account in April 2013 (CC file 121617) to provide authority for the paving projects on N. 124th Street and W. County Line Road. Those projects are being constructed in partnership with the adjoining municipalities. Agreements are in place to ensure the reimbursement of funds spent of these projects. The City was the lead agent on both of projects.

**Useful Life**                      35 years

**Annual Request**

2015	\$400,000	2015	\$2,400,000
2014	\$400,000	2014	\$2,400,000

**Six Year Request**



2013	\$400,000	2013	\$2,400,000
2012	\$0	2012	\$2,000,000
2011	\$0	2011	\$2,000,000

### Alley Paving Program

Year	Carryover	Tax Levy	Gen Oblig.	Special Assess	Total	% Δ	Actual
<b>2015 Request</b>			<b>1,625,000</b>	<b>400,000</b>	<b>\$2,025,000</b>	<b>21%</b>	
2014			1,625,000	50,000	1,675,000	(33%)	
2013	2,438,805		1,625,000	875,000	2,500,000	(17%)	
2012	1,600,000		2,400,000	600,000	3,000,000	200%	1,313,350
2011	1,100,000		800,000	200,000	1,000,000		696,848
2010	450,000		800,000	200,000	1,000,000	233%	583,506
2009	150,000	0	300,000	100	300,100	20%	421,990
2008	0	0	150,000	100,000	250,000	(50%)	380,207
2007	0	125,000		375,000	500,000		745,910
<b>Total</b>		125,000	7,700,000	2,400,100	10,225,100		4,141,811
<b>Average</b>			1,100,000	300,013	1,278,138		690,302

The City's alley network is comprised of approximately 4,000 alleys totaling 400 miles in length. DPW generally considers the useful life of an alley to be 50 years. Using that standard, approximately 125 miles (30%) of the alley system are past their useful lives. Between 2000 and 2005, based on funds budgeted for the alley program, approximately 2 miles of alleys were replaced each year resulting in a replacement cycle of nearly 200 years. Average funding between 2006 and 2009 decreased by over 70%. Funding levels have recovered significantly since 2009.

#### Request Summary – 2015\*

2015	\$2,025,000
2016	\$2,125,000
2017	\$2,125,000
2018	\$2,125,000
2019	\$2,125,000
2020	<u>\$2,125,000</u>
<b>Total</b>	<b>\$12,650,000</b>

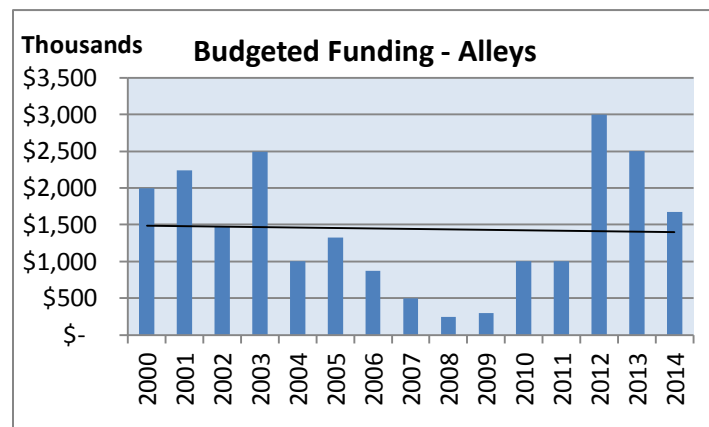
\* Includes special assessments

Until 2009, the cost of paving alleys was recovered through a special assessment at a rate of 90%. With the passage of the Motor Vehicle Registration Fee (CC file # 080034) the recovery rate was reduced to 60%. As part of the 2012 Budget process, the Common Council increased funding for the Alley Program and decreased the special

assessment recovery ratio from 60% to 30%. The Alley Program will have the capacity to pave approximately 2.8 miles of alleys in 2015. Going forward, the reduction of the recovery rate will reduce the number of alleys that can be paved with a fixed amount of borrowing.

Maintaining funding at the 2015 level with the 30% recovery ratio is likely to provide a replacement cycle of nearly 140 years.

In an effort to maximize the number of alleys that can be paved each year, DPW has begun



sending a postcard survey to property owners prior to the design phase of a proposed alley. If there is not sufficient property owner support, the project will not move forward. Property owners may still object after the design is complete and the project moves through the public hearing process. Since instituting this practice, deletions at public hearing for alley projects have been reduced to virtually zero.

Policy decisions regarding the appropriate level of funding and cost recovery must take into consideration, property owner expectations as well as the amount of funding available and the relative importance of other capital projects and programs. Alleys do not form the same type of transportation network that streets do, but in many neighborhoods they serve the important function of facilitating the removal of garbage by sanitation crews.

In a climate of funding constraints, deferring maintenance on alleys for a period of years can be an effective strategy for focusing limited infrastructure dollars where they will have the most impact.

Disinvestment in alleys can, however, lead to an overall decline in the appearance of a neighborhood and adversely affect property values. Investment in alley improvements can increase the perception of safety and accessibility. This may in turn encourage other neighborhood investments and improvements. This could be especially beneficial in neighborhoods struggling with high numbers of vacant and foreclosed homes.

Increased investment in alleys could also create jobs and opportunities for smaller contractors. It is important to note, however, that although their size makes alley projects manageable for small contractors, alleys are technically much more difficult to design and construct than most streets. Using inexperienced contractors may result in drainage and access issues in newly paved alleys.

**Useful Life**                      75 years

**Annual Request**

	Borrowing	Spec Assess	Total
2015	1,625,000	\$400,000	\$2,025,000
2014	\$1,975,000	\$50,000	\$2,025,000
2013	\$1,950,000	\$1,050,000	\$3,000,000
2012	\$1,800,000	\$1,200,000	\$3,000,000
2011	\$1,500,000	\$1,000,000	\$2,500,000

**Six Year Request History**

	Borrowing	Special Assess	Total	Annual Average
2015	9,750,000	2,900,000	12,650,000	2,125,000
2014	\$10,100,000	\$2,050,000	\$12,150,000	\$2,020,500
2013	\$12,450,000	\$8,050,000	\$20,500,000	\$3,410,700
2012	\$12,000,000	\$8,000,000	\$20,000,000	\$3,330,300
2011	\$11,700,000	\$7,800,000	\$19,500,000	\$3,250,000

## Sidewalk Replacement Program

Year	Carryover	Tax Levy	Gen Oblig.	Special Assess	Total	% Δ	Actual
<b>2015 Request</b>			<b>1,350,000</b>	<b>450,000</b>	<b>\$1,800,000</b>	<b>26%</b>	
2014			1,000,000	425,000	1,425,000	7%	
2013	1,407,151		1,000,000	333,000	1,333,000	(31%)	
2012	1,500,000		1,478,000	464,500	1,942,500	44%	2,054,154
2011	900,000		1,000,000	345,000	1,345,000	10%	879,620
2010	1,023,590		900,000	325,000	1,225,000	53%	1,375,968
2009	480,000		650,000	150,000	800,000	(9%)	696,940
2008	0		480,000	400,000	880,000	29%	672,453
2007	0	337,500		343,750	681,250		553,802
<b>Total</b>		337,500	5,508,000	2,786,250	9,631,750		6,232,937
<b>Average</b>			918,000	248,281	1,203,969		1,038,823

The purpose of the sidewalk replacement program is to eliminate cracked, spalled and out-of-grade sidewalk in the public way. In 2007 a detailed field sidewalk survey was completed which represented 5% of all sidewalks in random streets throughout the City. This survey indicated that as much as 18% of the 68 million square feet of sidewalk in the City may be defective.

This program has been used to maintain the City's sidewalk system since 1963. Although significant increases have been made in this program in the last five years the investment trend in sidewalks since 2000 has been downward.

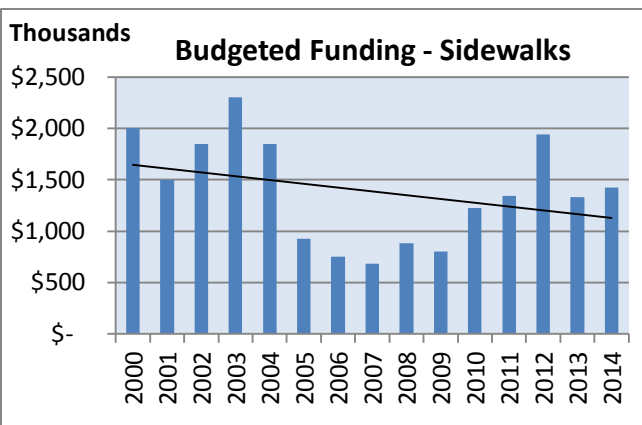
### Request Summary – 2015\*

2015	\$1,800,000
2016	\$1,900,000
2017	\$2,000,000
2018	\$2,100,000
2019	\$2,200,000
2020	<u>\$2,125,000</u>
Total	\$12,125,000

\* Includes special assessments

This program is not the only means by which sidewalk is replaced in the City. Additional sidewalks routinely get replaced in conjunction with local and major street improvement projects, City maintenance force work, excavation restoration work and development projects. Average annual walk replacement since 2007 for the local and major street programs is 375,000 SF and 77,000 SF respectively.

This capital account funds 2 separate sidewalk replacement programs. The larger of the 2 programs, replaces sidewalks in a systematic, area by area manner. The goal of this program is to replace between 300,000 and 350,000 square feet of sidewalk each year.



The second program, called "Scattered Sites" replaces defective sidewalks around the City as they are requested by property owners. DPW budgets approximately \$200,000 each year in capital authority to replace sidewalks through this program. This level of funding allows the City to complete work at approximately 100 properties each year.

**Annual Request**

	Borrowing	Special Assess	Total
2015	1,350,000	\$450,000	\$1,800,000
2014	\$1,275,000	\$425,000	\$1,700,000
2013	\$1,200,000	\$400,000	\$1,600,000
2012	\$1,100,000	\$400,000	\$1,500,000
2011	\$1,190,000	\$410,000	\$1,600,000

**Six Year Request History**

	Borrowing	Special Assess	Total	Average
2015	\$9,055,000	\$3,070,000	\$12,125,000	
2014	\$8,705,000	\$2,995,000	\$11,700,000	(\$1,950,000 per year)
2013	\$8,325,000	\$2,775,000	\$11,100,000	(\$1,850,000 per year)
2012	\$7,690,000	\$2,810,000	\$10,500,000	(\$1,750,000 per year)
2011	\$8,120,000	\$2,980,000	\$11,100,000	(\$1,850,000 per year)

## Street Lighting Program

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$10,385,000</b>	<b>12%</b>	
2014		800,000	8,500,000		9,300,000	9%	
2013	4,121,006		8,540,000		8,540,000	4%	
2012	6,554,590		8,220,000		8,220,000	11%	6,428,443
2011	0		7,400,000		7,400,000	6%	8,033,078
2010	7,850,000		7,000,000		7,000,000	(11%)	8,203,721
2009	5,791,170		7,850,000		7,850,000	20%	6,668,625
2008	1,586,776	817,080	5,746,170		6,563,250	9%	6,976,692
2007	45,000	3,750,000	2,250,000		6,000,000		5,328,472
<b>Total</b>		5,367,080	55,506,170		60,873,250		41,639,031
<b>Average</b>			6,938,271		7,609,156		6,939,839

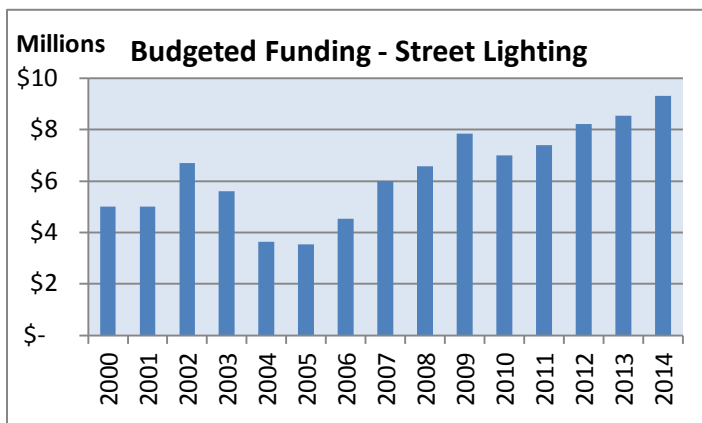
Funding in this program is used to replace deteriorated poles, defective cable, outdated circuitry, aging electrical substations and other lighting equipment, and to modernize the street lighting control system. The City currently maintains over 68,300 street lights and 8,800 alley lights. Approximately 46% of the total budget for street lighting in 2015 is related to the paving program.

The frequency of area outages and single/double outages has been increasing steadily due to the City's aging street lighting infrastructure. The City's street light system is a combination of series and multiple circuitry. The series circuitry which is the older technology represents approximately 40% of the system. The City began transitioning to multiple circuitry in the 1950's. It is the series part of the system that is becoming increasingly unreliable. It is also more difficult to repair; requiring more time, specialized knowledge and unique parts which are becoming more difficult to obtain.

One of the main challenges with the conversion project is that series circuits cannot be replaced one block at a time – for example with a paving project. Each series circuit, which consists of multiple blocks, must be replaced in its entirety. The circuits are large – covering multiple blocks.

### Request Summary – 2015

2015	\$10,385,000
2016	\$10,650,000
2017	\$11,020,000
2018	\$11,400,000
2019	\$11,840,000
2020	<u>\$11,100,000</u>
Total	\$66,395,000



A study done by the LaFollette School of Public Affairs in 2009 evaluated various funding alternatives for transitioning from series to multiple circuitry. The report estimated that replacing the remaining series circuitry over the next six years would cost between \$120 million and \$131 million.

This was determined to be the least cost effective of the alternative evaluated. Maintaining the status quo and continuing to fund the conversion program with \$1 million per year is the most cost effective in the

short run but it is not a long term solution. As the failure rate increases, costs related to repairs including parts and overtime will continue to rise. Excessive outage could increase tax payer dissatisfaction, decrease the perception of neighborhood safety and have an impact on crime.

Average funding for the street lighting program since 2000 has been \$5.9 million. Since 2009 the average has increased to \$7.5 million. The increase has gone largely to pay for the increase in paving related projects. The department allocates about \$1 million each year to fund the series conversion.

DPW has indicated that they are developing a new strategy for the conversion project. The City has 249 substations and enclosures, each with numerous circuits. In the past DPW would replace the entire substation at one time. The department will begin replacing individual circuits that are problematic. This will keep the project moving forward in the absence of large amounts of resources and also allow the City to benefit from the reduced maintenance costs of failing circuits. It remains to be seen whether this will be an effective or affordable approach.

There may be opportunities to reallocate some street light funding from paving projects to series circuitry conversion by postponing the removal of overhead wiring after paving projects.

“Replacement of Control” continues as part of the City’s Street Lighting Control System Improvement Project. This involves replacing the existing hard-wired control system at substations and enclosures with a radio-based computerized communications system. This improvement provides backup in the event of a communications system failure, allows monitoring of street lighting operation, provides intrusion alarms and provides diagnostics to identify and assist with troubleshooting in response to street lighting system problems. Implementation of this program has been delayed due to increases in the lighting program relative to ARRA funded paving projects.

**Useful Life**                      40 years

**Annual Request**

2015	10,385,000
2014	\$10,000,000
2013	\$9,700,000
2012	\$9,100,000
2011	\$7,500,000

**Six year request history**

2015	\$66,395,000	(\$11.066 million per year avg)
2014	\$59,950,000	(\$9.991 million per year avg)
2013	\$60,250,000	(\$10.041 million per year avg)
2012	\$57,400,000	(\$9.57 million per year avg)
2011	\$53,700,000	(\$8.95 million per year avg)

## Traffic Control Program

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,000,000</b>	<b>0%</b>	
2014			1,993,000		1,993,000	(23%)	
2013	1,963,069		2,055,000		2,590,000	12%	
2012	1,271,638		2,303,000		2,303,000	20%	1,524,042
2011	332,500		1,912,250		1,912,250	62%	1,457,349
2010	990,000		1,182,500		1,182,500	19%	1,384,737
2009	0		990,000		990,000	41%	1,166,161
2008	0	700,000			700,000		801,542
2007	0	700,000			700,000		818,120
<b>Total</b>		1,400,000	10,435,750		12,370,750		7,151,951
<b>Average</b>			1,739,292		1,546,344		1,191,992

The capital request is approximately \$2.8 million each year.

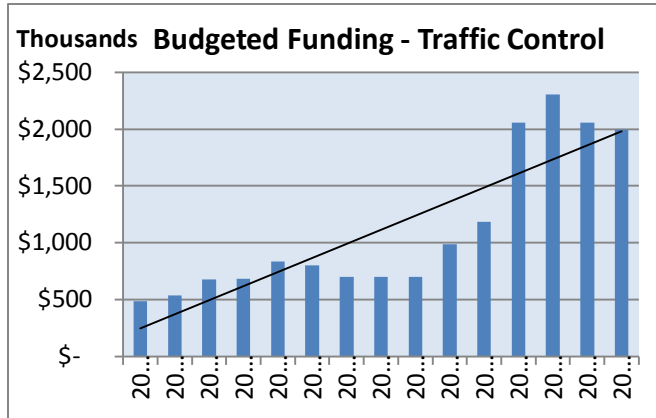
This program provides for the upgrade, replacement and installation of traffic control devices as needed to accommodate traffic pattern changes, provide conformity with national standards, comply with City ordinances, and utilize technological advances to improve traffic flow. Traffic control devices are installed and maintained to conform with the federal Manual on Uniform Traffic Control Devices (MUTCD). Technology based improvements and techniques are constantly being incorporated in City traffic control systems to improve traffic flow and reduce vehicle emissions.

### Request Summary – 2015

2015	\$2,000,000
2016	\$2,920,000
2017	\$2,975,000
2018	\$2,975,000
2019	\$3,035,000
2020	<u>\$3,100,000</u>
<b>Total</b>	<b>\$17,005,000</b>

In December 2009, the Federal Highway Administration issued a final rule adopting changes to the 2003 MUTCD. These changes became effective on January 15, 2010. The changes were adopted and incorporated by the State of Wisconsin into state statutes. The changes mandate upgrades and improvements to traffic control signs, signals and pavement marking systems in the City. In August 2011, the FHWA proposed amendments to the MUTCD that would eliminate most of the deadlines for replacing street signs including the 2018 deadline for replacing street name signs. The comment period for the proposed amendments ended October 31, 2011. After the comment

period the FHWA will issue a final ruling on the proposed amendments.



New sign standards include increased retro-reflectivity and changes in size, placement and content. DPW estimates that over 40% of existing signs will need to be replaced to meet the new standards. Changes in traffic signal standards include signal mounting, location, size, type and configuration. DPW has developed a schedule for phasing in the mandated upgrades. Different components of the traffic control system will be

phased in on slightly different schedules. **MUTCD upgrades represent approximately 15% of the requested budget for this program.**

In addition to the requirements of the MUTCD, the FHWA and the Department of Justice are considering proposed "Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way". The public comment period closed on February 2, 2012. It is not known when the final rules will be adopted. Key elements of the guidelines which could affect the City include the installation of audible pedestrian signals at all signalized intersections when the controller is changed or software is modified; the installation of signalization on all legs of multi-lane roundabouts; and new requirements for pedestrian clearance times (flashing Don't Walk sign). **Costs for these upgrades have not been included in the six year request.**

**Useful Life**                      40 years

**Annual Request**

2015	\$2,000,000
2014	\$2,393,000
2013	\$2,590,000
2012	\$2,770,000
2011	\$2,366,000

**Six year request history**

2015	\$17,005,000	(\$2.834 million per yr avg)
2014	\$16,830,000	(\$2.805 million per yr avg)
2013	\$15,585,000	(\$2.597 million per yr avg)
2012	\$18,215,000	(\$3.035 million per yr avg)
2011	\$13,323,500	(\$2,220,000 per yr avg)



## Underground Conduit Program

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$5,900,000</b>	<b>1,080%</b>	
2014	3,860,900		500,000		500,000	(71%)	
2013	2,726,897		1,736,700		1,736,700	50%	
2012	1,979,317		1,156,500		1,156,500	44%	197,705
2011	1,302,939		800,000		800,000	(20%)	458,759
2010	400,000		1,000,000		1,000,000	150%	499,809
2009	64,524		400,000		400,000		248,741
2008	877,950	400,000			400,000		403,861
2007	877,950	400,000			400,000		310,772
<b>Total</b>		800,000	5,593,200		6,393,200		2,119,647
<b>Average</b>			932,200		799,150		353,275

The installation of a permanent underground electrical conduit and manhole system provides secure weatherproof public safety cable and circuit networks for multiple City agencies. The system ensures a reliable route for City communication cables to be installed into all existing and proposed City buildings, provides a reliable route for traffic control at signalized intersections and is utilized for street lighting cable circuits.

Typically, 100% of the underground conduit and manhole program is driven by the paving program. An increase in 2010 funding for this program was directly related to a significant increase in street projects driven by ARRA grants. Funding in 2012 continued above historical averages to reflect increased funding for the Local Street Program. Since 2000 this program has received \$8.8 million in funding. This program has approximately \$3.8 million in carryover borrowing authority. \$782,976 in general obligation borrowing authority lapsed in 2014.

### Request Summary – 2015

2015	\$5,900,000
2016	\$5,000,000
2017	\$5,000,000
2018	\$5,000,000
2019	\$5,000,000
2020	<u>\$5,000,000</u>
<b>Total</b>	<b>\$30,900,000</b>

From 2011 to 2012 there was a \$25 million increase in the six year request. The cause of the increase was a departmental policy shift which changed the average annual requested amount to more accurately reflect opportunities for installing conduit. A list of potential projects was included with the 2015 capital request.

### Annual Request

2015	\$5,900,000
2014	\$4,300,000
2013	\$5,000,000
2012	\$4,100,000
2011	\$1,000,000

### Six year request history

2015	\$30,900,000	
2014	\$29,300,000	(\$4,883,000 per year avg)
2013	\$30,000,000	(\$5,000,000 per year avg)
2012	\$30,100,000	(\$5,000,000 per year avg)
2011	\$6,000,000	(\$1,000,000 per year)

## Underground Conduit and Manhole Reconstruction

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$1,255,000</b>	<b>67%</b>	
2014	403,622		750,000		750,000	67%	
2013	290,594		450,000		450,000	50%	
2012	239,854		300,000		300,000	50%	217,600
2011	79,130		200,000		200,000		148,679
2010	495,000		200,000		200,000		124,057
2009	500,033		200,000		200,000	100%	494,597
2008	600,000		100,000		100,000	(50%)	259,700
2007	499,188		200,000		200,000		213,053
<b>Total</b>			2,400,000		2,400,000		1,457,686
<b>Average</b>			300,000		300,000		242,948

This program funds the reconstruction of existing manholes located in street right-of-way that provide the necessary entrance networks for all of the communications, traffic control and street lighting cable circuits that serve the City's governmental buildings and agencies. There are presently 7,543 active manholes in the system.

Since 2000 this program has received approximately \$200,000 in funding each year. Budgeted funding increased significantly starting in 2012. This program has \$404,000 in carryover borrowing authority.

### Request Summary – 2015

2015	\$1,255,000
2016	\$1,300,000
2017	\$1,350,000
2018	\$1,400,000
2019	\$1,450,000
2020	<u>\$1,500,000</u>
<b>Total</b>	<b>8,255,000</b>

The department is actively developing an inspection and maintenance plan for the system's manholes. Funding has been requested to address the deficiencies discovered in the 2013 inspection of the first of five areas in the City.

**Useful Life**                      75 years

### Annual Request

2015	1,255,000
2014	\$750,000
2013	\$1,000,000
2012	\$500,000
2011	\$200,000

### Six year request history

2015	8,255,000	
2014	\$5,785,000	(\$964,167 per year avg)
2013	\$6,000,000	(\$1,000,000 per year avg)
2012	\$3,000,000	(\$500,000 per year avg)
2011	\$1,200,000	(\$200,000 per year avg)

## Parking Fund

(in thousands)

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,292*</b>		
2014		1,715	5,000		6,715	4%	
2013	2,226	1,441	5,000		6,441	11%	
2012	2,985	790	5,000		5,790	(6%)	1,417
2011	2,590	1,175	5,000		6,175	4%	1,523
2010	4,439	950	5,000		5,950	(25%)	1,859
2009	4,098	2,936	5,000		7,936	3%	2,039
2008	2,636	2,700	5,000		7,700	38%	1,385
2007	3,681	595	5,000		5,595		2,142
<b>Total</b>		12,302	40,000		52,302		10,366
<b>Average</b>		1,538	5,000		6,538		1,728

\*The request amount does not include Permanent Improvements amounts that are required to be in the budget.

### 2015 Capital Request

The Department of Public Works has submitted ten capital requests for the Parking Fund. Six requests are for parking structure maintenance and four are for other projects. Eight requests are for funding in 2015.

The total six year request is \$13.72 million and represents a decrease of \$1.2 million (8%) from last year's six year request. The primary cause for the decrease was the omission of a request for the relocation of parking facilities and staff that was requested in 2014. The project was not funded and the request was not resubmitted in 2015.

The removal of the relocation project was partially offset by an increase in a planned project at the Milwaukee/Michigan structure which is scheduled for 2019 and 2020.

Implementation continues on the License Plate Recognition project and the parking Meter Wireless Network project both of which were funded in 2013.

<b>Capital Request Summary</b>							
<b>Parking Structure Maintenance</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>6 Yr. Total</b>
1000 N. Water	140,000	50,000	450,000			88,000	\$728,000
2nd & Plankinton	400,000		300,000	300,000			\$1,000,000
4th & Highland	137,000	550,000		350,000			\$1,037,000
MacArthur Square	400,000	500,000			950,000	500,000	\$2,350,000
Milwaukee Michigan	300,000		550,000	300,000	600,000	688,000	\$2,438,000
Parking Facility Repair and Maintenance	200,000	200,000	200,000	200,000	200,000	200,000	\$1,200,000
<b>Other Projects</b>							
Repave Tow Lots and Surface Lots	40,000	55,000					\$95,000
Single Space Credit Card Meter Mechs	675,000	650,000					\$1,325,000
Replace Multi-Space Meters					1,100,000	900,000	2,000,000
Parking Structure Revenue Control and Access Equipment		50,000	1,500,000				\$1,550,000
<b>Total</b>	<b>\$2,292,000</b>	<b>\$2,055,000</b>	<b>\$3,000,000</b>	<b>\$1,150,000</b>	<b>\$2,850,000</b>	<b>\$2,376,000</b>	<b>\$13,723,000</b>

### 1000 North Water Parking Structure Repairs

<b>Year</b>	<b>Carryover</b>	<b>New Borrowing</b>	<b>Perm Impr Reserve</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
<b>2015 Request</b>					<b>\$140,000</b>		
2014					0		
2013					0		
2012	560,000				0		393,680
2011	260,000				0		149,822
2010	560,000				0		700,367
2009	252,324	560,000			560,000		34,268
2008	5,900				0		7,894
2007	195,000				0		33,486
<b>Total</b>		560,000			560,000		1,319,517
<b>Average</b>							219,920

The City is a member of the commercial condominium association that includes the parking garage. The City is obligated to the condo association to maintain this structure.

The scope of the work anticipated in the six year plan has not changed from last year except for the addition of an upgrade of the carbon monoxide detection system in 2020. The cost of the work projected for 2017 has increased by \$50,000 from last year's estimate.

**Anticipated Work (2015 request)**

2015	Replace elevator cabling	\$140,000
2016	Replace 8 security cameras	\$50,000
2017	Replace expansion joints; sealer; pavement markings	\$450,000
2020	Upgrade carbon monoxide detection system	<u>\$88,000</u>
		\$728,000

**Annual Request**

2015	\$140,000
2014	\$0
2013	\$0
2012	\$0

**Six Year Request**

2015	\$728,000
2014	\$590,000
2013	\$400,000
2012	\$220,000

**Second & Plankinton Parking Structure Repairs**

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$400,000</b>		
2014	31,648	450,000			450,000		
2013	865,000				0		
2012	325,000	540,000			540,000		434,168
2011	0	325,000			325,000		17,940
2010	0						190
2009	0						
2008	0						
2007	0						
<b>Total</b>		<b>1,315,000</b>			<b>1,315,000</b>		<b>452,298</b>

The scope of the work anticipated in the six year plan has not changed from last year except for the addition of the application of roof level membrane in 2015. Funding in 2014 was provided to paint the interior of the structure.

**Anticipated Work (2015 request)**

2015	Modernize west elevator and reapply roof level membrane	\$400,000
2017	Caulk joints and paint exterior components (orig. scheduled for 2015)	\$300,000
2018	Concrete repairs and application of epoxy overlay	<u>\$300,000</u>
		\$1,00,000

**Annual Request**

2015	\$400,000
2014	\$450,000
2013	\$0
2012	\$540,000
2011	\$325,000

**Six Year Request**

2015	\$1,000,000
2014	\$1,420,000
2013	\$1,050,000
2012	\$1,305,000
2011	\$1,330,000

## Fourth and Highland Parking Structure Repairs

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$137,000</b>		
2014					0		
2013	518,559				0		
2012	549,425				0		256,051
2011	0				0		9,407
2010	0	550,000			550,000		19,250
2009	0				0		0
2008	0				0		0
2007	0				0		0
<b>Total</b>		550,000			550,000		284,708

The only item added to the proposed scope of work in the six year plan is the façade inspection which is scheduled for 2015. The six year request has increased by \$112,000 (12%) from last year's six year request.

### Anticipated Work (2015 request)

2015	Electrical backup system (\$30K), elevator cabling (\$65K), windows (\$20K)	
	Façade inspection	\$137,000
2016	Paint and repair expansion joints (originally scheduled for 2015)	\$550,000
2018	Joint caulking; water repellent sealer; pavement markings	<u>\$350,000</u>
		\$1,037,000

### Annual Request

2015	\$137,000
2014	\$0
2013	\$0
2012	\$0
2011	\$0

### Six Year Request

2015	\$1,037,000
2014	\$925,000
2013	\$860,000
2012	\$960,000
2011	\$935,000

## MacArthur Square Parking Structure Renovation

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$400,000</b>	<b>(60%)</b>	
2014	0	1,010,000			1,010,000		
2013	0				0		
2012	290,000				0		129,556
2011	1,181,842				0		608,641
2010	2,160,000				0		0
2009	2,297,522	290,000			290,000	(81%)	1,036,173
2008	733,600	1,500,000			1,500,000	305%	84,258
2007	730,000	370,000			370,000		27,952
<b>Total</b>		3,170,000			3,170,000		1,886,580

The only item added to the proposed scope of work in the six year plan is the replacement of expansion joints which is scheduled for 2016. The electrical upgrade project was moved from 2018-19 to 2019-20. Funding in 2014 was provided to repair concrete; re-apply membrane; reapply pavement markings; to replace the expansion joint on the James Lovell level and to evaluate the electrical system.

**Anticipated Work (2015 request)**

2015	Repair concrete surfaces; paint lower level (E & W sides)	\$400,000
2016	Repair elevated slabs; reapply membrane; replace expansion joints repaint pavement markings	\$500,000
2019	Paint J. Lovell level; replace roof expansion joint	\$950,000*
2019-20	Electrical upgrade project	<u>\$500,000</u>
		<u>\$2,350,000</u>

\*a portion of 2019 funding will be used to complete the electrical upgrade project.

Annual Request		Six Year Request	
2015	\$400,000	2015	\$2,350,000
2014	\$1,010,000	2014	\$3,360,000
2013	\$0	2013	\$1,875,000
2012	\$0	2012	\$1,450,000
2011	\$0	2011	\$1,175,000

**Milwaukee/Michigan Parking Structure Repairs**

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$300,000</b>		
2014					0		
2013	0				0		
2012	0				0		0
2011	0				0		0
2010	0				0		529,278
2009	512				0		772
2008	614,000				0		511
2007	615,000				0		0
<b>Total</b>							530,561,
<b>Average</b>							

The City is contractually obligated to Johnson Controls to make capital improvements in this structure.

The only item added to the scope of work for the six year plan is the upgrade of the carbon monoxide system scheduled for 2020. The six year capital request has increased by \$1.2 million from last year's six year request. The increase appears to be related to the steel component painting project scheduled for 2019 and 2020.

**Anticipated Work (2015 request)**

2015	Joint caulking and paint (painting originally scheduled for 2013); façade inspection	\$300,000
2017	Traffic membrane (last applied in 2005); pavement markings; water repellent sealer	\$550,000
2018	Replace slabs and pavement markings	\$300,000
2019	Planning and administration for steel component painting (2 yr project)	\$600,000
2020	Upgrade carbon monoxide detection system	<u>\$688,000</u>
		\$2,438,000

**Annual Request**

2015	\$300,000
2014	\$0
2013	\$0
2012	\$0
2011	\$0

**Six Year Request**

2015	\$2,468,000
2014	\$1,250,000
2013	\$1,250,000
2012	\$1,795,000
2011	\$880,000

**Misc. Structural/Mechanical/Electrical Maintenance**

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					\$		
2014	364,140	200,000			200,000		
2013	748,696	0			0		
2012	658,905	250,000			250,000		164,051
2011	606,791	250,000			250,000		195,943
2010	450,000	400,000			400,000		492,999
2009	200,000	250,000			250,000		207,448
2008	0	200,000			200,000		39,792
2007	0				0		0
<b>Total</b>		1,550,000			1,550,000		1,100,233
<b>Average</b>		221,429			193,750		193,750

The program is used to provide necessary repairs of structural, mechanical and electrical deficiencies of a non-emergency nature. Funding is also used to correct unplanned deficiencies identified by violation reports issued by building code inspectors that are time-sensitive in nature. Funding is requested for Parking Facility (Repair and Maintenance). Funding is provided in the Misc. Structural/ Mechanical/Electrical Maintenance Account.

**Annual Request**

2015	\$
2014	\$200,000
2013	\$0
2012	\$250,000
2011	\$250,000

**Six Year Request**

2015	\$
2014	\$1,100,000
2013	\$900,000
2012	\$1,450,000
2011	\$1,500,000



## Parking Facility Maintenance

Funding for this program is used to provide necessary repairs of structural, mechanical and electrical deficiencies of a non-emergency nature. Funding is also used to correct unplanned deficiencies identified by violation reports issued by building code inspectors that are time-sensitive in nature. Funding is requested for Parking Facility (Repair and) Maintenance. Funding is provided in the Misc. Structural/Mechanical/Electrical Maintenance Account. **See the Misc. Structural/Mechanical/Electrical Maintenance Account.**

## Repave Tow Lots and Some Surface Lots

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$40,000</b>	<b>%</b>	
2014		55,000			55,000		
<b>Total</b>		<b>55,000</b>			<b>55,000</b>		

This was a new request in 2014 for a 3 year paving project. One third of the Tow Lot's pavement will be replaced each year. Phasing the project will minimize operations disruptions. Various surface lots will also be repaired. No funding has been requested past 2016. \$55,000 was provided in the 2014 Budget to begin the project.

Requested funding for the project:

2015	40,000
2016	<u>\$55,000</u>
Total	\$95,000

### Annual Request

2015	\$40,000
2014	\$55,000

### Six Year Request

2015	\$95,000
2014	\$150,000

## Replace Multi-Space Meters

(Out year)

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>	<b>%</b>	

This is an out-year request to begin planning for the ultimate replacement of multi-space parking meters was first submitted in 2014. The City began installing multi-space meters in 2007. The meters have a 10-12 years useful life and by 2019 will likely need to be replaced or need substantial maintenance. Since 2007, the City has invested nearly \$3.4 million installing multi-space meters in downtown area and in the Third Ward. Meters have been installed in areas that have at least six contiguous parking spaces and have parking rates of at least \$1.5 an hour.

Funding of \$1.1 million and \$900,000 is requested for **2019 and 2020 respectively**. That level of funding would replace 103 meters in 2019 and 75 meters in 2020. The City currently has 303 multi-space meters installed.

Revenue generated by the multi-space meters in 2013 exceeded \$3.3 million.

**Useful Life** 12 years

**Annual Request**

2015 \$0  
2014 \$0

**Six Year Request**

2015 \$2,000,000 (2019, 2020)  
2014 \$1,100,000 for 2019

**Single Space Credit Card Meter Mechanisms**

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$675,000</b>	<b>%</b>	

This **new** 2 year project to install single space credit card parking meters was first requested in 2014. The single space meters would be installed in the downtown area and Third Ward where there are less than six contiguous parking spaces and parking rates are at least \$1 per hour. The single space credit card mechanisms can be placed within the current single space meter housings. DPW has tested 15 meters during 2012 and found that they require little maintenance.

Funding of \$675,000 and \$650,000 is requested for **2015** and **2016** respectively. The department plans to purchase approximately 1,300 meters in 2015 and 2016.

**Annual Request**

2015 \$675,000  
2014 \$0

**Six Year Request**

2015 \$1,325,000  
2014 \$1,325,000

**Parking Structure Revenue Control and Access Equipment (Out Year)**

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$0</b>	<b>%</b>	

This request for a two year project scheduled to begin in **2016** was first requested in 2014. The project will replace revenue control and ingress/egress equipment at four parking garages. The equipment being replaced was installed in 2004 and has a useful life of 9-11 years. Funding of \$50,000 and \$1,500,000 has been requested for **2016** and **2017** respectively.

**Annual Request**

2015 \$0  
2014 \$0

**Six Year Request**

2015 \$1,550,000  
2014 \$1,550,000

## Updates and Past Requests

### Joint Dispatch/Parking Enforcement Relocation

This request for a one year project to relocate the Parking dispatchers and Parking Enforcement staff was first requested in 2014. Parking staff would vacate the building at 123 N. 25th St where DPW leases space from MMSD. The project was not funded in 2014. **No request was submitted in 2015.** Estimated costs from the 2014 request are shown below.

Move	Tire Shop	to Central Repair	\$685,000
Move	Parking Dispatch	to Fleet Dispatch	\$188,000
Move	Parking Enforcement	to Lincoln Garage	<u>\$1,245,900</u>
			\$2,118,900

**Annual Request**  
2014 \$2,150,000

**Six Year Request**  
2014 \$2,150,000

### License Plate Recognition System

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
2014					0		
2013		721,000			721,000		
<b>Total</b>		721,000			721,000		

This was a new request in 2013 for a one year project to install license plate recognition (LPR) cameras on up to 35 parking enforcement jeeps. The technology can confirm the purchase of a night parking permit, identify vehicles that have been reported stolen and recognize vehicles with outstanding violations. The cameras will be used for both day and night parking enforcement.

This project received \$721,000 in the 2013 Budget. As of October 2013, cameras had been installed on 28 jeeps. License plate data will be stored on a server maintained by the Dept. of Administration – ITMD for up to 7 years. Vehicle registration information will not be stored in the database. The data will be made available to the Police Department upon request.

A bill that would have limited the use of license plate readers state wide was drafted, but never introduced. Changes in state law could have an adverse effect on the City's parking enforcement operations.

**Annual Request**  
2013 \$720,000

**Six Year Request**  
2013 \$720,000

## Parking Meter Wireless Network

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
2014	170,000						
2013		170,000	550,000		720,000		
<b>Total</b>		170,000	550,000		720,000		

This was a new request in 2013 for a one year project to install a wireless communications (WiFi) network for the City's multi-space meters. Installing a WiFi network will reduce cellular communication costs. Expected savings over the 7 year useful life of the hardware are \$288,000. The installation of this network will also provide free wireless internet access in the downtown area.

Funding was provided in the 2013 Budget. **No additional funding was requested for 2014 or 2015.**

The manufacture of the modem that the department had intended to use for this project was discontinued in January 2013. The department has been working with the vendor of the LUKE meters to identify and approve an alternate modem that will ensure the security of credit card transactions. Testing was anticipated to take place over the winter.

Annual Request		Six Year Request	
2015		2015	
2014		2014	
2013	\$721,000	2013	\$721,000

## Multi-Space Meters

Year	Carryover	New Borrowing	Perm Impr Reserve	Grant & Aid	Total	% Δ	Actual
2014	59,908				0		
2013	93,537				0		
2012	597,006				0		35,186
2011	679,431				600,000		541,709
2010	689,431				0		0
2009	1,000,000				1,300,000		562,830
2008	586,700				1,000,000		1,000,001
2007	1,300,000				0		1,275,000
<b>Total</b>					2,900,000		3,414,726

Between 2006 and 2009 this program received \$4.2 million in funding to replace single space parking meters with multi-space electronic meters that accept credit/debit card payments. No requests for additional funding were received since 2011. A separate capital request to begin planning for the eventual replacement of the LUKE meters as they age was submitted for the first time in 2014.

Annual Request		Six Year Request	
2011	\$600,000	2011	\$600,000

## Sewer Maintenance Fund

(in thousands)

Year	Carryover	Cash	Borrowing	Grant & Aid	Assess	Total	% Δ	Actual
<b>2015 Request</b>						<b>44,200</b>	<b>1%</b>	
2014		4,400	38,500	1,650		44,550	0%	
2013	65,904	3,810	38,060	2,640		44,510	1%	
2012	52,999	3800	37,510	2,640		43,950	10%	28,668
2011	21,041	2,700	33,933	2,800	400	39,833	66%	31,434
2010	89,225	2,600	21,337			23,937	(24%)	41,173
2009	61,031	2,900	28,550	150		31,600	6%	36,236
2008	51,574	2,250	27,700			29,950	7%	30,083
2007	54,962,	0	28,000			28,000		21,307
<b>Total</b>		<b>22,460</b>	<b>253,590</b>	<b>9,880</b>	<b>400</b>	<b>286,330</b>		<b>188,901</b>
<b>Average</b>		<b>2,808</b>	<b>31,699</b>	<b>1,976</b>		<b>35,791</b>		<b>31,483</b>

### 2015 Capital Request

The Department of Public Works has submitted six capital requests for the Sewer Maintenance Fund for the 2015 Budget.

The total six year request is \$256.2 million and represents a decrease of \$6.2 million (2%) from last year's six year request. The decrease is primarily related to the Sewer Maintenance Relay program.

The request includes \$10.8 million in grant funding for the Inflow and Infiltration program over the next six years.

There is one new project for 2015. \$2.5 million has been requested for a flood mitigation project in the Dineen Park Neighborhood.

<b>Capital Request Summary</b> (in thousands)							
<b>Project/Program</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>6 Yr. Total</b>
Sewer Relief and Relay	33,000	32,000	32,000	32,000	32,000	33,000	\$194,000
Inflow & Infiltration	5,000	7,000	7,000	7,000	7,000	7,000	\$40,000
**Grant & Aid**	1,800	1,800	1,800	1,800	1,800	1,800	\$10,800
Sanitary Pump Rehabilitation	700	700	700	700	700	700	\$4,200
Water Quality for TMDL	1,000	500	500	500	500	500	\$3,500
River Channel Maintenance	200	200	200	200	200	200	\$1,200
Flood Mitigation Program	2,500						\$2,500
Developer Out of Program							
<b>Total</b>	<b>\$44,200</b>	<b>\$42,200</b>	<b>42,000</b>	<b>42,200</b>	<b>42,200</b>	<b>43,200</b>	<b>\$256,200</b>

## Sewer Relief & Relay Program

(in thousands)

Year	Carryover	Cash	Borrowing	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$33,000</b>	<b>(3)%</b>	
2014	33,515	2,000	31,900		33,900	3%	
2013	46,109	2,000	30,800		32,800	3%	
2012	38,375	2,000	29,700		31,700	32%	18,260
2011	16,437	1,200	22,800		24,000	58%	26,147
2010	74,521	1,600	13,562		15,162	(37%)	33,642
2009	52,834	2,000	22,000		24,000	(10%)	32,147
2008	44,676	2,000	24,600		26,600	9%	23,276
2007	47,704	0	24,500		24,500		19,143
<b>Total</b>		12,800	199,682		212,662		152,616
<b>Average</b>		1,600	24,983		26,583		25,436

The 2015 request reflects the continuation of a more aggressive strategy to maintain the City's sewers. The 2015 stabilizes annual requests at \$32 million through 2019. The six year request is \$7 million (3%) less than last year's request. The resulting replacement cycle, however, still closely approximates the current recommended cycle of 90 years. The replacement cycle in 2010 was approximately 160 years.

As borrowing increases to support the sewer main program sewer rates will need to be closely monitored to ensure the financial health of the fund. In 2010 Springsted Inc. did an analysis of the Sewer Maintenance fund and recommended that sewer and storm water rates should increase 4.7% annually from 2011 through 2015. They believed the increases would be necessary to pay for anticipated operating and maintenance expenses, capital improvements and to provide sufficient cash flow and reserves. Rates are shown in the table below

### Request Summary – 2015

2015	\$33,000,000
2016	\$32,000,000
2017	\$32,000,000
2018	\$32,000,000
2019	\$32,000,000
2020	<u>\$33,000,000</u>
Total	194,000,000

Approximately 8% of the 2015 sewer program is projected to be paving related compare to 10% in 2014. The average index rating for paving related projects on the Preliminary 2015 Sewer Program is 49.1 compared to 45.4 on the remainder of the program. 32% of the proposed projects for 2015 are scheduled for lining. An additional 10% are projects that may utilize both sewer main relay and lining.

Although the increased level of funding will address on-going maintenance and rehabilitation needs, it does not address the existing backlog of older sewers. There are currently over 200 miles of sewers that are more than 90 years old. DPW estimates that even if enough funding is provided to maintain a 90 year replacement cycle, by 2020 there will be over 300 miles of sewer mains that have exceeded their useful life.

Sewer and Storm Charges				
Year	Sewer		Storm	
	Rate /CCF	Change	Quarterly	Change
2011	\$ 1.16	-0.6%	\$14.22	1.6%
2012	\$ 1.23	6.0%	\$14.94	5.1%
2013	\$ 1.29	4.9%	\$ 16.13	8.0%
2014	\$ 1.34	3.9%	\$16.94	5.0%

The estimates of useful life also do not take into consideration that a growing portion of the sewer main program consists of sewer lining projects – not replacement projects. Sewer lining is a technique that has proven to be a cost effective alternative for rehabilitating many sewers that in the past would have required complete

replacement. So far, the relining projects have exceeded expectations for extending useful sewer main life, but it is unknown if the lined sewers will achieve the same 90 year useful life as traditionally installed sewer mains.

**Useful Life**            90 years

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$33,000,000	2015	\$194,000,000
2014	\$31,000,000	2014	\$201,000,000
2013	\$30,000,000	2013	\$195,000,000
2012	\$29,000,000	2012	\$186,000,000
2011	\$29,000,000	2011	\$186,000,000

### Sanitary Pump Rehabilitation Project

Year	Carryover	Cash	Borrowing	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$700,000</b>		
2014		700,000			700,000	(7%)	
2013		750,000			750,000	(25%)	
2012		1,000,000			1,000,000		1,010,371
2011		1,000,000			1,000,000	10%	608,015
2010		500,000			500,000	11%	628,645
2009		450,000			450,000	80%	579,818
2008		250,000			250,000		161,137
2007					0		
<b>Total</b>		4,650,000			4,650,000		2,987,986
<b>Average</b>		664,286			664,286		597,597

Funding for this program began in 2008. Since that time \$4.65 million has been budgeted. Actual expenditures through the end of 2012 total nearly \$3 million. The 2015 six year capital request is for \$700,000 each year through 2020 for a total of \$4.2 million and is unchanged from last year

Funding for this program will provide for the inspection, rehabilitation and replacement of sanitary pump facilities. The City owns and maintains 7 sanitary lift stations and 83 sanitary bypass pump stations. These pumps reduce the risk of sewage backing up into homes and businesses. Pumps are located in areas that historically had sewer backup occurrences during periods of heavy rain.

The City's lift stations pump sanitary flow from low areas into gravity sanitary sewers so the flow can reach the Milwaukee Metropolitan Sewerage District's collection and treatment system.

The sanitary bypass pump stations are covered under the Sanitary Bypass permit issued by the DNR. If the bypass pumps operate during large rain events, DNR has not objected to their use. If the bypass pumps operate during dry weather, or during small rain events, the DNR will work with the City to establish a course of action to prevent these types of operations. The 2005 stipulation with the Department of Justice allows for the DNR to assess a fine for the operation of bypass pumps during small events or dry weather.

The DNR is continuing its review of their sanitary sewer overflow rules. It is not known when those rules will be finalized. It is DPW's understanding that the revised rules would not eliminate the use of sanitary bypass pumps as long as the municipality is maintaining its system and addressing infiltration and inflow problems.

The requested level of funding for 2015 would allow for the reconstruction of 4 pumps, moderate rehabilitation of 10 additional pumps, as well as monthly inspections and comprehensive testing.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$700,000	2015	\$4,200,000
2014	\$700,000	2014	\$4,200,000
2013	\$1,000,000	2013	\$4,500,000
2012	\$1,000,000	2012	\$4,800,000
2011	\$1,000,000	2011	\$4,500,000

### River Channel Restoration

Year	Carryover	Cash	Borrowing	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$200,000</b>		
2014		200,000			200,000		
2013		160,000			160,000		
2012		400,000			400,000		0
<b>Total</b>		760,000			760,000		
<b>Average</b>		253,333			253,333		

This was a new request for the 2012 Budget to provide funding for the restoration of the channels and drainage ditches which carry stormwater to local waterways during rain events. Over time, sediment and vegetation can reduce their capacity and intensify the effects of excessive rainfall. As part of a broader strategy for managing storm water run-off and preventing flooding, the City will be reviewing these channels and restoring their capacity as necessary.

The request was submitted in 2012-2014 with the title River Channel Maintenance. The funding appeared in the 2012 and 2013 Budgets as River Channel Restoration. The distinction being that this fund is not for routine maintenance of waterways but for broader renovation projects which would restore/improve capacity. No projects were identified in the 2014 or 2015 request.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$200,000	2015	\$1,200,000
2014	\$200,000	2014	\$1,200,000
2013	\$200,000	2013	\$1,200,000
2012	\$200,000	2012	\$1,200,000



## Inflow and Infiltration (I&I) Reduction Projects

Year	Carryover	Cash	Borrowing	Grant & Aid	Assess	Total	% Δ	Actual
<b>2015 Request</b>						<b>\$6,800,000</b>	<b>(21%)</b>	
2014		400,000	6,600,000	1,650,000		8,650,000	(16%)	
2013	18,668,691	400,000	7,260,000	2,640,000		10,300,000	(5%)	
2012	11,960,502	400,000	7,810,000	2,640,000		10,850,000	(24%)	9,103,285
2011	1,699,381	500,000	10,633,000	2,800,000	400,000	14,333,000	126%	4,053,085
2010	6,250,000	500,000	5,850,000			6,350,000	72%	5,445,132
2009	3,000,000	450,000	3,250,000			3,700,000	23%	2,148,056
2008	0		3,000,000			3,000,000		3,258,014
2007	0							
<b>Total</b>		2,650,000	44,403,000	9,730,000	400,000	57,183,000		24,007,572
<b>Average</b>		441,667	6,343,286	2,432,500		8,169,000		4,801,514

Funding for this program began in 2008 with \$3 million. The 2014 Budget provided \$8.65 million. 2011 is the only year that assessment funding was included for work done on private property. No special assessments have been charged for work done on private property.

The 2015 capital request is for \$6.8 million in 2015 and \$8.8 million each year thereafter through 2020. The requested amount includes \$1.8 million in grant funding each year.

To address I&I issues on private property, DPW piloted a project to repair defective sanitary sewer laterals in 2012. The project was located in an area bounded by West Burleigh Street, West Center Street, North 82nd Street and North 92nd Street, which is an area where multiple homes have experienced basement backups and which has been shown to have excessive I&I. A second project was undertaken in 2013 in the Clemens School neighborhood (north of Capitol Drive and west of N 35<sup>th</sup> Street) The project has 449 properties. The average cost was \$6,700 per property. Work began in March 2013 and was completed in the fall of 2013. The average cost per lateral in the Clemens project was \$116 less than in the Cooper Park project primarily because the average lateral length was shorter. The per foot price was slightly higher in the Clemens project even though there were more bidders. The same contractor was awarded both projects.

In addition to the area wide I&I demonstration projects, the City also piloted a rehabilitation project on five city owned homes. The scope of the work included the rehabilitation of the sewer lateral with a cured-in-place liner, removal of the palmer valve and floor drain replacement, installation of a sump, pump and discharge piping, and the installation of backflow valve to prevent sewer backups. The total cost per home was approximately \$18,600. Work was completed in 2011. The key challenges encountered were the need to upgrade the existing electrical system to accommodate the installation and operation of the sump pump, difficulties locating the sump pump discharge piping, and the extensive coordination that was required to schedule work with the tenants.

### Request Summary – 2015\*

2015	\$5,000,000
2016	\$7,000,000
2017	\$7,000,000
2018	\$7,000,000
2019	\$7,000,000
2020	<u>\$7,000,000</u>
Total	\$50,800,000

\*Excluding grant funding

I&I Reduction Projects – Expenditures

Budget Yr.	Cash	Borrowing	Grant/Aid	Total Expenditure	Change
2013					
2012				9,103,285	125%
2011	500,000	3,446,783	106,302	4,053,085	(25%)
2010	500,000	4,945,132		5,445,132	153%
2009	450,000	1,698,056		2,148,056	(34%)
2008		3,258,014		3,258,014	
2007		0			

**Annual Request**

	Enterprise	Grant	Total
2015	5,000,000	\$1,800,000	\$6,800,000
2014	\$7,000,000	\$1,750,000	\$8,750,000
2013	\$7,000,000	\$2,800,000	\$9,800,000
2012	\$7,000,000	\$1,700,000	\$8,700,000
2011	\$6,370,000	\$0	\$6,370,000

**Six year request history**

	Enterprise	Grant	Total
2015	40,000,000	\$10,800,000	\$50,800,000
2014	\$42,000,000	\$10,500,000	\$52,500,000
2013	\$42,000,000	\$11,800,000	\$53,800,000
2012	\$42,000,000	\$10,200,000	\$52,200,000
2011	\$25,160,000	\$0	\$25,160,000

**Water Quality Projects to Meet Total Maximum Daily Load (TMDL)**

Year	Carryover	Cash	Borrowing	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$1,000,000</b>	<b>%</b>	

This was a new request in 2013 for an on-going program to construct various Best Management Practices to reduce total maximum daily loads in the Menomonee, Milwaukee, Kinnickinnic River watersheds and estuary areas.

MMSD and the DNR are working jointly to develop the standards that will apply to impaired watersheds with respect to TMDLs. The standards were expected to be largely complete by the end of 2012. The City will have three permit cycles (5 years each) to comply with the new standards.

This program will replace and expand the Best Management Practices for Total Suspended Solid (TSS) Reduction. The TSS program was not funded in the 2012 Budget. (see discussion below) The TMDL program will construct best management practices in a similar manner to the TSS program, but it will take a broader approach to water quality, focusing on bacteria and total phosphorus as well as total suspended solids.

The 2013 Budget provided \$500,000 in the BMPs for TSS account– not in this account. The logic was to wait until the standards were complete/accepted before funding this program.

The 2015 six year capital request includes \$1,000,000 for 2015 and \$500,000 for each year thereafter through 2020.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$1,000,000	2015	\$3,500,000
2014	\$1,000,000	2014	\$3,500,000
2013	\$500,000	2013	\$3,000,000

### **BMPs for TSS Reduction (See TMDL)**

<b>Year</b>	<b>Carryover</b>	<b>Cash</b>	<b>Borrowing</b>	<b>Grant &amp; Aid</b>	<b>Total</b>	<b>% Δ</b>	<b>Actual</b>
2014	500,000	1,000,000			1,000,000	100%	
2013	1,126,145	500,000			500,000		
2012	2,062,579		0		0		293,889
2011	2,304,568		500,000		500,000	(74%)	567,165
2010	2,709,000		1,925,000		1,925,000	(32%)	1,310,928
2009	0		2,700,000	150,000	2,850,000		1,106,223
2008	0				0		
2007	0				0		
<b>Total</b>		1,500,000	5,125,000	150,000	6,775,000		3,278,205
<b>Average</b>					846,875		819,551

This program provided funding to construct various Best Management Practices (BMPs) such as green streets, rain gardens, wet detention ponds, bio-infiltration areas, and end of pipe treatments to reduce the amount of Total Suspended Solids (TSS) that enter waterways. Due to changes in the Wisconsin state budget and new EPA regulations that are pending, this program is being replaced by a more comprehensive water quality program. **See Water Quality Projects to meet TMDL Requirements**

The 2013 Budget contained \$500,000 for this capital account even though the department requested the funding in a different water quality account. The logic being that the regulations and requirements for the new account have not been finalized. This uncertainty made budgeting appropriate amounts difficult. The Budget Office decided to maintain funding in this account until the regulations are finalized.

The Wisconsin Department of Natural Resources' regulation in ch. 151, Wis. Adm. Code requires the City to reduce the amount of TSS in runoff by 40%. This project began in 2009 and was intended to continue until the 40% TSS goal was reached. The original deadline for compliance was March 10, 2013. Since 2009, the City has allocated over \$5.6 million for the program. In order to meet the compliance deadline, the City worked with the DNR to be given credit for the TSS removed by the treatment of storm water in the combined sewer area. With the allowance of this credit, the City has attained the 40% compliance rate.

<b>Annual Request</b>		<b>Six Year Request</b>	
2013	\$500,000	2013	\$3,000,000
2012	\$1,000,000	2012	\$6,000,000
2011	\$2,000,000	2011	\$6,000,000

## Flood Mitigation Program

Year	Carryover	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,500,000</b>		

This is a request for **new** one year project for 2015 to implement the findings of a flood mitigation study in the Dineen Park Neighborhood. It is anticipated that funding will be used to construct a storm water detention pond.

The memorandum of understanding between the City of Milwaukee, Milwaukee County and MMSD can be found as an attachment to Common Council File #121683.

**Annual Request**  
2015 \$2,500,000

**Six Year Request**  
2015 \$2,500,000

## Developer Out-of-Program Agreement (Various Locations)

Year	Carryover	Cash	Borrowing	Grant & Aid	Total	% Δ	Actual
2014		100,000			100,000		
2013					0		
2012					0		0
2011					0		0
2010					0		0
2009					0		0
2008					0		0
2007							112,077
<b>Total</b>		100,000			100,000		
<b>Average</b>							

**No request was submitted in 2015.**

The 2012 capital request was for \$100,000 in 2012. No out year requests were included.

From 2000 through 2006 \$2.6 million has been budgeted for this program.

**Annual Request**  
2014 \$no page 2  
2012 \$100,000

**Six Year Request**  
2014 No page 2  
2012 \$100,000

## Milwaukee Water Works

(in thousands)

Year	Carryover Borrowing	Borrowing	Retained Earnings	Assess.	Developer Funded	Total	% Δ	Actual
<b>2015 Request</b>						<b>\$17,500</b>	<b>27%</b>	
2014	15,367	4,000	6,454	100	300	13,825	0%	
2013	12,710	8,000	5,450	100	300	13,850	49%	
2012	4,020	8,690	500	30	100	9,320	(54%)	10,270
2011	11,600	4,045	16,200	100	300	20,645	3%	12,170
2010	12,275	0	19,630	100	300	20,030	(26%)	16,826
2009	12,500	0	26,696	100	300	27,096	(26%)	19,308
2008		12,500	23,569	100	600	36,769	46%	18,124
2007	0	0	24,540	0	600	25,141		15,485
<b>Total</b>		<b>33,235</b>	<b>116,586</b>	<b>530</b>	<b>1,900</b>	<b>166,676</b>		<b>92,183</b>
<b>Average</b>		<b>4,748</b>	<b>16,655</b>	<b>76</b>	<b>317</b>	<b>20,834</b>		<b>15,363</b>

### 2015 Capital Request

The Milwaukee Water Works (MWW) has submitted eleven capital requests for the 2014 Budget. Eight requests are for funding in 2014.

The total six year request is \$154,820,000 and represents an increase of \$5.8 million (4%) from last year's request.

The increase was driven by significant increases in the Linnwood Building, Linnwood Treatment, Howard Treatment and Storage Facility programs. The Pump Facilities program decreased by \$10.4 million. There was also a slight decrease in the overall water main program.

The water main program was requested differently this year than it has been in the past. Typically, there are two requests, one for feeder mains and one for the distribution system. This year, there are three requests, one for non-assessable work, one for assessable work and one for developer funded work.

The 2015 request anticipates that the utility will be able to return to historic levels of main replacement by 2018.

<b>Capital Request Summary</b> (in thousands)							
Project/Program	2015	2016	2017	2018	2019	2020	6 Yr. Total
Non-Assessable Water Main Prog	9,750	10,750	12,750	15,750	17,150	17,150	\$83,300
Assessable Water Main Program	100	100	100	100	100	100	\$600
Developer Water Main Program	150	150	150	150	150	150	\$900,
Linnwood Building Improvements	600	1,240	1,460	1,235	2,300	1,150	\$7,985
Linnwood Plant Treatment Impr.	2,050	3,400	2,665	870	2,700	5,750	\$17,435
Howard Building Improvements	250	300	500	0	0	750	\$1,800
Howard Plant Treatment Impr.	650	250	950	1,400	1,650	1,900	\$6,800
Pump Facilities Improvements	250	5,300	5,600	4,700	2,900	1,050	\$19,800
Storage Facility Improvements	2,500	1,400	0	3,600	500	6,000	\$14,000
Meter Repair Shop	700	0	0	0	0	0	\$700
Capital Project Contingencies	500	1,000					\$1,500
<b>Total</b>	<b>\$17,500</b>	<b>\$23,890</b>	<b>\$24,175</b>	<b>\$27,805</b>	<b>\$27,450</b>	<b>\$34,000</b>	<b>\$154,820</b>

## Distribution Water Main System Program

(in thousands)

Year	Non-Assessable	Borrowing	Asses	Developer	Total	%Δ	Actual
<b>2015 Request</b>					<b>\$9,750</b>		
2014	8,025	3,075	100	300	11,500		
2013	7,600		100	300	8,000	1,170%	
2012	500		30	100	630	(96%)	2,596
2011	15,400		100	300	15,800	3%	3,909
2010	15,000		100	300	15,400	(8%)	9,729
2009	16,380		100	300	16,780	3%	14,071
2008	15,560		100	600	16,260	4%	12,354
2007	15,040		0	600	15,640		12,094
<b>Total</b>	<b>77,880</b>	<b>18,700</b>	<b>630</b>	<b>2,800</b>	<b>100,010</b>		<b>54,753</b>
<b>Average</b>							

The water main program was requested differently this year than it has been in the past. Typically, there are two requests, one for feeder mains and one for the distribution system. This year, there are three requests, one for non-assessable work, one for assessable work and one for developer funded work. The funding sources have been discrete line items in the budget, but they were not separate capital request.

The total request for all water mains in 2015 is \$10,000,000.

### Request Summary – 2015

2015	\$9,750,000
2016	\$10,750,000
2017	\$12,750,000
2018	\$15,750,000
2019	\$17,150,000
2020	<u>\$17,150,000</u>
Total	\$83,300,000

On March 21, 2013, the Common Council adopted a resolution authorizing the Milwaukee Water Works to apply for a rate increase. If the rate is approved, MWW will be able to return to more historic levels of water main replacement in 2018 or 2019.

**Useful Life**                      110 years

### Annual Request

2015	\$9,750,000
2014	\$10,000,000
2013	\$7,000,000
2012	\$3,500,000
2011	\$14,770,000

### Six Year Request

2015	\$83,300,000
2014	\$80,000,000
2013	\$64,000,000
2012	\$42,500,000
2011	\$106,070,000

### Positions

2015    see BMD-52

## Feeder Main Program

This program enables the Milwaukee Water Works to satisfy consumer needs and to protect the health and safety of Milwaukee citizens. Changing water use patterns necessitate the addition of feeder mains to improve pressures and flows. Although the Distribution Water Main Program and the Feeder Main Program are requested separately, they are typically budgeted together. No request was submitted for 2015.

See discussion for Distribution Water Main System Program.

Annual Request		Six Year Request	
2014	\$1,500,000	2014	\$11,000,000
2013	\$1,000,000	2013	\$10,000,000
2012	\$500,000	2012	\$4,500,000
2011	\$2,750,000	2011	\$8,650,000

## Assessable Water Main Program

Year	Non-Assessable	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2015 Request					100,000		

See discussion for Distribution Water Main System Program.

Annual Request		Six Year Request	
2015	\$100,000	2015	\$600,000

Positions see BMD-52

## Developer Water Main Program

Year	Non-Assessable	Tax Levy	Gen Oblig.	Grant & Aid	Total	% Δ	Actual
2015 Request					150,000	%	

See discussion for Distribution Water Main System Program.

Annual Request		Six Year Request	
2015	\$150,000	2015	\$900,000

Positions see BMD-52

## Linnwood Plant Building Improvements

Year	Non-Assessable	Borrowing	Asses	Developer	Total	%Δ	Actual
<b>2015 Request</b>					<b>\$600,000</b>		
2014					0		
2013	150,000				150,000	(86%)	
2012	1,040,000				1,040,000	100%	243,846
2011		520,000			520,000		5,184
2010							791,218
2009	250,000				250,000	(93%)	1,790,166
2008	3,390,000				3,390,000	54%	1,069,610
2007	2,200,000				2,200,000		193,088
<b>Total</b>	<b>7,670,000</b>	<b>520,000</b>			<b>7,550,000</b>		<b>4,093,112</b>
<b>Average</b>	<b>1,278,333</b>				<b>1,078,571</b>		<b>682,185</b>

Since 2001 this program has received \$9.4 million in funding. Funding has been highly variable. The most significant funding years were 2007, 2008 and 2012 when \$2.2 million, \$3.4 million, and \$1 million respectively were budgeted. No projects are scheduled for 2014. Funding provided in 2013 (\$150,000) was for skylight filters that will reduce sunlight and reduce algae growth on treatment filters.

### 2015 Capital Request Project Summary

Project	Year(s)	2015	Six Year
Roofs	(2015-2020)	\$300,000	\$4,800,000
Replace sanitary sewer	(2015)	\$300,000	\$300,000
Filter buildings ceilings	(2016-2017)	\$0	\$700,000
Security upgrades	(2016)	\$0	\$200,000
Admin HVAC and windows	(2018-2019)	\$0	\$1,125,000
Instrumentation shop space	(2018)	\$0	\$210,000
Service elevator	(2019)	\$0	\$400,000
Repave perimeter drive	(2020)	\$0	\$250,000
<b>Total</b>		<b>\$600,000</b>	<b>\$7,985,000</b>

**Useful Life**                      Varies

Annual Request		Six Year Request	
2015	\$600,000	2015	\$7,985,000
2014	\$0	2014	\$2,185,000
2013	\$150,000	2013	\$2,135,000
2012	\$0	2012	\$200,000
2011	\$1,520,000	2011	\$4,880,000

**Positions**                      see BMD-52



## Linnwood Plant Treatment Improvements

Year	Non-Assessable	Borrowing	Asses	Developer	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,050,000</b>	<b>165%</b>	
2014		775,000			775,000	158%	
2013		300,000			300,000	(25%)	
2012	400,000				400,000	(69%)	465,693
2011		1,275,000			1,275,000	264%	151,289
2010	350,000				350,000	(67%)	514,968
2009	1,050,000				1,050,000	(2%)	394,366
2008	1,075,000				1,075,000	115%	2,786,803
2007	500,000				500,000		1,114,547
<b>Total</b>	3,025,000	2,350,000			5,725,000		5,427,666
<b>Average</b>	756,250	783,333			715,625		904,611

The six year request has increased by \$12 million from last year's six year request. Funding was provided in 2014 to design the Motor Control Centers Replacement (MCC) project. There are four MCC units at Linnwood. MCC #2 and #3 will be designed in 2014 and #1 is planned for 2016. The 2013 Budget funded the assessment of deficiencies in various steel pipeline associated with the water treatment process.

### 2015 Capital Request Project Summary

Project	Year(s)	2015	Six Year
Flocculator Bearings	(2015-2018)	\$75,000	\$300,000
Ozone system refurbishment – Dielectrics	(2015-2016)	\$175,000	\$350,000
Plant residuals handling system analysis	(2015)	\$200,000	\$200,000
Motor Control Centers	(2015-2018)	\$350,000	\$3,855,000
Plant steel pipe mitigation	(2015-2016)	\$500,000	\$1,000,000
Side stream ozonation	(2015 )	\$750,000	\$750,000
Wash water system – pumps and VFD	(2016-2017)	\$0	\$1,700,000
Chemical feed system upgrades	(2016)	\$0	\$300,000
Air scour/media replace pilot quadrant	(2016)	\$0	\$500,000
Ozone contactor roof	(2018-2019)	\$0	\$330,000
Filter influent pneumatic control valves	(2019)	\$0	\$400,000
Advanced processes	(2019-2020)	\$0	\$3,500,000
Pump room butterfly valves (east)	(2020)	\$0	\$250,000
Filter media replacement	(2020)	\$0	\$4,000,000
<b>Total</b>		<b>\$2,050,000</b>	<b>\$17,435,000</b>

Annual Request		Six Year Request	
2015	\$2,050,000	2015	\$17,435,000
2014	\$775,000	2014	\$3,350,000
2013	\$300,000	2013	\$10,000,000
2012	\$0	2012	\$3,900,000
2011	\$1,275,000	2011	\$17,880,000

## Howard Plant Building Improvements

Year	Non-Assessable	Borrowing	Asses	Developer	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$250,000</b>	<b>150%</b>	
2014					100,000		
2013	100,000				100,000	(50%)	
2012	200,000				200,000	(43%)	851,302
2011	350,000				350,000		334,932
2010	0				0		23,157
2009	450,000				450,000	156%	194,078
2008	176,000				176,000		53,643
2007	0				0		132,345
<b>Total</b>	1,276,000				1,376,000		1,589,457
<b>Average</b>					172,000		264,910

### 2015 Capital Request Project Summary

Project	Year(s)	2015	Six Year
Resurface concrete drive	(2015)	\$250,000	\$250,000
Loading dock – maintenance area	(2016-2017)	\$0	\$500,000
New flow tube	(2017)	\$0	\$100,000
Coag building roof	(2017)	\$0	\$100,000
Security Upgrades	(2017)	\$0	\$100,000
Machine shop upgrade	(2020)	\$0	\$550,000
Freight elevator	(2020)	\$0	\$200,000
<b>Total</b>		<b>\$250,000</b>	<b>\$1,800,000</b>

2013 funding was to upgrade aging electrical systems including the electrical pump starter for the two Howard filter surface wash pumps, electrical panel and distribution centers, and the electrical power bus for the overhead crane. Funding in 2014 will be used to upgrade access control and to improve perimeter protection.

**Useful Life**                      Varies

Annual Request		Six Year Request	
2015	\$250,000	2015	\$1,800,000
2014	\$100,000	2014	\$1,350,000
2013	\$100,000	2013	\$1,350,000
2012	\$0	2012	\$600,000
2011	\$600,000	2011	\$2,100,000

**Positions**                      see BMD-52

## Howard Plant Treatment Improvements

Year	Non-Assessable	Borrowing	Asses	Developer	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$650,000</b>	<b>333%</b>	
2014		150,000			150,000	50%	
2013		100,000			100,000	100%	
2012	50,000				50,000	(92%)	70,213
2011		600,000			600,000	362%	98,244
2010	130,000				130,000	(74%)	167,001
2009	500,000				500,000	13%	27,382
2008	442,000				442,000		0
2007	0				0		161,253
<b>Total</b>	<b>1,122,000</b>	<b>850,000</b>			<b>1,972,000</b>		<b>524,093</b>
<b>Average</b>					<b>246,500</b>		<b>87,349</b>

### 2015 Capital Request Project Summary

Project	Year(s)	2015	Six Year
Ozone equipment refurbishment – dielectric	(2015)	\$150,000	\$150,000
Ozone side stream injection	(2015)	\$500,000	\$500,000
Flocculator system upgrade	(2016-2019)	\$0	\$1,000,000
Clearwell plug flow	(2017-2018)	\$0	\$1,000,000
Chemical feed storage tank SHC	(2017)	\$0	\$500,000
Ozone contactor roof refurbishing	(2018)	\$0	\$350,000
Advanced processes	(2019-2020)	\$0	\$2,000,000
Electrical system upgrades/efficiency	(2019)	\$0	\$200,000
Filter media replacement/air scour	(2019)	\$0	\$1,000,000
Filter effluent valve operator.	(2020)	\$0	\$100,000
<b>Total</b>		<b>\$650,000</b>	<b>\$6,800,000</b>

Funding in 2013 was to replace the effluent valves that control the flow of water through the plant's eight filters. Funding in 2014 will replace the dielectric tubes in one of the plant's generators. This project should add between five and ten years to the life of the generator.

**Useful Life**                      Varies

Annual Request		Six Year Request	
2015	\$350,000	2015	\$6,800,000
2014	\$150,000	2014	\$3,650,000
2013	\$100,000	2013	\$7,450,000
2012	\$0	2012	\$1,100,000
2011	\$950,000	2011	\$6,750,000

**Positions**                      see BMD-52

## Pump Facilities Improvements

Year	Non-Assessable	Borrowing	Asses	Developer	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$250,000</b>	<b>150%</b>	
2014	100,000				100,000		
2013	0				0		
2012	2,250,000				2,250,000	36%	5,350,759
2011		1,650,000			1,650,000	(54%)	754,183
2010	3,600,000				3,600,000	5%	2,254,680
2009	3,440,000				3,440,000	260%	584,073
2008	955,000				955,000	(84%)	307,843
2007	6,200,000				6,200,000		174,204
<b>Total</b>	16,545,000	1,650,000			18,195,000		9,425,742
<b>Average</b>							1,570,957

This program provides funding to upgrade or replace various aspects of the pumping facilities that aid in the efficient distribution of water throughout the system. Since 2001, this program has received \$22.9 million in funding. Annual funding is highly variable.

The 2015 six year capital request is \$10.4 million (34%) less than last year's request. The large decrease in the six year request from 2011 to 2012 was due to the delay in the PSC approval of the rate case.

\$2,250,000 was budgeted for this program in 2012 to perform a physical inspection of the treated water tunnel between the Linnwood Plant and the Riverside pumping station. The last complete inspection of this 7,200 foot tunnel was in 1986. Funding in 2014 will provide for the replacement of portions of the electrical equipment at the Texas Avenue pumping station

### 2015 Capital Request Project Summary

Project	Year(s)	2015	Six Year
Howard substation/switchgear	(2015-2016)	\$50,000	\$3,050,000
North Point tunnel compliance	(2015,2017-18)	\$200,000	\$4,200,000
Raw water pumps #3 & #4	(2016-2017)	\$0	\$3,300,000
Linnwood pump upgrades	(2016)	\$0	\$2,000,000
Texas electrical upgrades, power monitor	(2017)	\$0	\$100,000
Riverside pumps nand valves – study	(2017 & 2019)	\$0	\$1,000,000
Texas pump upgrades	(2018)	\$0	\$500,000
Lincoln substation	(2018)	\$0	\$2,200,000
Energy efficiency	(2019)	\$0	\$100,000
Securiy upgrades	(2019)	\$0	\$100,000
North Point pump upgrades	(2019)	\$0	\$500,000
Linnwood pump B(cone valve replacement	(2019)	\$0	\$1,700,000
Texas to Howard raw water main insp.	(2020)	\$0	\$100,000
Florist tank/pump station study	(2020)	\$0	\$150,000
Oklahoma pump and station upgrades.	(2020)	<u>\$0</u>	<u>\$800,000</u>
<b>Total</b>		<b>\$250,000</b>	<b>\$19,800,000</b>

<b>Annual Request</b>	
2015	\$250,000
2014	\$100,000
2013	\$0
2012	\$800,000
2011	\$2,050,000

<b>Six Year Request</b>	
2015	\$19,800,000
2014	\$30,200,000
2013	\$21,000,000
2012	\$3,500,000
2011	\$11,200,000

**Positions** see BMD-52

### Storage Facilities Improvements

Year	Non-Assessable	Borrowing	Asses	Developer	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$2,500,000</b>		
2014					0		
2013	1,400,000				1,400,000	600%	
2012	200,000				200,000	(33%)	32,809
2011	300,000				300,000	200%	1,088,150
2010	100,000				100,000	(97%)	1,373,128
2009	3,826,000				3,826,000	2,539%	1,523,366
2008	145,000				145,000	(28%)	1,022,916
2007	200,000				200,000		1,604,589
<b>Total</b>	6,171,000				6,171,000		6,644,958
<b>Average</b>					771,375		1,107,493

This program provides funding for the evaluation, elimination or enhancement of the system's water storage capacity. Since 2001, this program has received \$12.2 million in funding. The most significant investments were in 2006 and 2009 and 2013. (\$4.5 million, \$3.8 million and \$1.4 million respectively) The 2015 six year request is \$6.5 million (87%) greater than the 2014 request.

Funding in 2013 was to replace the roof over the Linnwood South Clearwell. There are no projects scheduled for 2014

#### 2015 Capital Request Project Summary

<b>Project</b>	<b>Year(s)</b>	<b>2015</b>	<b>Six Year</b>
Lincoln – paint tanks	(2015)	\$2,500,000	\$2,500,000
Linnwood north reservoir roof construction	(2016)	\$0	\$1,400,000
Florist – paint tanks	(2018)	\$0	\$3,600,000
Florist – dome, drain and parapet rehabilitation	(2019)	\$0	\$500,000
Florist elevated storage tank	(2020)	\$0	\$6,000,000
<b>Total</b>		<b>\$2,500,000</b>	<b>\$14,000,000</b>

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$2,500,000	2015	\$14,000,000
2014	\$0	2014	\$7,500,000
2013	\$1,400,000	2013	\$8,900,000
2012	\$0	2012	\$7,500,000
2011	\$300,000	2011	\$14,200,000

## Meter Shop Improvements

Year	Non-Assessable	Borrowing	Asses	Developer	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$700,000</b>		
2014					700,000		
2013					0		
2012	50,000				50,000	(67%)	13,100
2011	150,000				150,000		84,110
2010	0				0		902,823
2009	300,000				300,000		0
2008	0				0		11,450
2007	400,000				400,000		11,138
<b>Total</b>	900,000				1,600,000		1,022,621
<b>Average</b>					200,000		170,437

This program provides funding for improvements to the operations associated with the Milwaukee Water Works Business Section's Water Meter Services. This program first received funding in 2004. Since that time, \$2.0 million has been budgeted.

Recent capital requests for this program have been somewhat intermittent. The only project requested in the 2015 six year capital request is a structural/HVAC project at the Meter Shop North. The project is scheduled for 2015. The estimated cost is \$700,000. Funding was provided in the 2014 Budget for a roof replacement project.

### Annual Request

2015	\$700,000
2014	\$700,000
2013	\$0
2012	\$150,000
2011	\$150,000

### Six Year Request

2015	\$700,000
2014	\$700,000
2013	\$2,000,000
2012	\$4,150,000
2011	\$3,150,000

**Positions** see BMD-52

## Backup Power Generation

Year	Non-Assessable	Borrowing	Asses	Developer	Total	% Δ	Actual
2014					0		
2013	3,800,000				3,800,000		
2012	4,500,000				4,500,000		646,741
2011	0				0		5,744,796
2010	450,000				450,000		1,070,043
2009	5,000,000				5,000,000		723,836
2008	12,500,000				12,500,000		218,160
2007	0				0		0
<b>Total</b>	26,250,000				26,250,000		8,403,576
<b>Average</b>					3,281,250		1,400,596

In response to a regional power outage in the Northeast in 2003, the City retained the consulting firm of Black & Veatch to perform an evaluation of the reliability of the MWW's electrical power. The study had several objectives including providing benchmarking data and developing conceptual designs for critical facilities. The study determined that the electrical feeds to MWW's critical facilities are generally reliable. The study strongly recommended, however, that the City consider implementing emergency power at each of its critical facilities. (see Council file 061500 for the full report)

This program was first funded in the 2008 Budget when it received \$12.5 million. Since then it has received \$13,750,000 in additional funding. The department anticipates making a request for \$100,000 in 2016 and \$6,500,000 in 2017. The department is currently evaluating whether additional power generation facilities need to be constructed, or if the needs of the City can be met with the projects that are in place or in progress. **No request was submitted in 2015.**

Funding in 2013 will upgrade of the Grange Pumping Station to include backup power generation and will replace aging switchgear. There are no projects scheduled for 2014.

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<b>Annual Request</b>		<b>Six Year Request</b>	
2015		2015	
2014	\$0	2014	\$6,600,000
2013	\$3,800,000	2013	\$10,400,000
2012	\$0	2012	\$11,800,000
2011	\$0	2011	\$12,000,000

### Capital Projects Contingencies

Year	Non-Assessable	Borrowing	Asses	Developer	Total	% Δ	Actual
<b>2015 Request</b>					<b>\$500,000</b>	<b>%</b>	
2014					500,000		0
2013					0		0
2012					0		0
2011					0		
2010					0		0
2009					0		0
2008					1,826,000		0
2007					0		0
<b>Total</b>					<b>2,326,000</b>		

This request is for contingency borrowing authority to be available for unexpected needs.

<b>Annual Request</b>		<b>Six Year Request</b>	
2015	\$500,000	2015	\$1,500,000
2014	\$500,000	2014	\$500,000
2012	\$0	2012	\$4,000,000
2011	\$0	2011	\$5,000,000