



City of Milwaukee

200 E. Wells Street
Milwaukee, Wisconsin
53202

Meeting Minutes CAPITAL IMPROVEMENTS COMMITTEE

ALD. JOSEPH DUDZIK, CHAIR

**Ald. Robert Bauman, Ald. Michael Murphy, Jeffrey Mantes, W.
Martin Morics, Mark Nicolini, and Mariano Schifalacqua**

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Fiscal Planning Specialist: Ms. Kathleen Brengosz
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Thursday, March 25, 2010

9:00 AM

Room 301-B, City Hall

Meeting convened: 9:03 A.M.

1. Roll call:

Members Present: 7 - Ald. Joseph Dudzik, Chair, Gerald Froh (Ald. Michael Murphy Alternate), Ald. Bauman, Jeffrey Mantes, Michael Daun (W. Martin Morics Alternate), Mark Nicolini, and Mariano Schifalacqua

Members Excused: 0

Also present: Venu Gupta, Dept. of Public Works, David Schroeder, Thomas Bell and Erick Shambarger and Michael Talarczyk, Department of Admin., Budget & Management Div., Marianne Walsh, City Clerk's Office and Barry Zalben, Legislative Reference Bureau

2. Review and approval of the March 3, 2010 meeting

Mr. Nicolini moved approval of the minutes. There were no objections.

3. Update on the hiring process of the Fiscal Planning Specialist

Ald. Dudzik introduced Ms. Kathy Brengosz the new Fiscal Planning Specialist.

4. Presentations given by the following City departments on their proposed 2011 capital improvements budget request:

---Department of Public Works - Administration (including parking)

Ms. Shirley Krug appeared and gave an overview of the 2011 capital improvements requests for the parking fund and public safety communications (Exhibit 1). She said the department's capital requests as a whole is below average.

Ms. Cindy Angelos appeared to answer questions by committee members.

Ald. Dudzik asked how many night parking kiosks does the city have?

Ms. Angelos replied that the City's has nine.

Mr. Froh asked if there is a plan to place a kiosk at the UWM campus area?

Mr. Krug replied in the negative.

Mr. Daun referred to the condition data that was discussed at the March 3 meeting and asked, at the end of the 6 year capital improvements plan period, what is the overall objective for the parking structures?

Ms. Angelos replied that every component of a parking structure has a useful life that varies from 5 to 20 years. She said every year the City Engineer's inspects all the parking structures and plans out the improvements for the next six year period. She said the parking facility maintenance fund is used for those repairs that are unplanned. She said the parking structures are in very good shape right now.

Mr. Froh asked if there has been any consideration given for both the communications and underground conduit budget for the Google request?

Ms. Krug replied that DPW is working with the Dept. of Admin., Information & Technology Management Division.

Mr. Schifalacqua asked if the City will have to expand its conduit system for Google's request?

Mr. Mantes replied that Google wants to move very quickly and the City is looking at what it has available. He said one possible solution would be to use the sewer system.

**Presentations given by the following City departments on their proposed
2011 capital improvements budget request:**

---Department of Public Works - Operations (Excluding fleet equipment) (Exhibit 1)

Mr. Preston Cole, Director of Operations, Wanda Booker, Environmental Services Manager and David Sivyver, Forestry Manager appeared to answer questions by committee members regarding the department's 2011 capital improvements requests.

Ald. Dudzik asked if the emerald ash borer injections have been used before and how often will the City have to inject the City's ash trees?

Mr. Sivyver replied that the injections are a part of the public safety management strategy. He said the injections will provide two maybe three years of protection, and has shown to be extremely effective during its research trials.

Ald. Dudzik asked Mr. Cole to explain the cost savings to the department due to the reduction of the sustainable boulevards program in its 2010 budget.

Mr. Cole replied that the goal is to reduce the 3000 blvd. beds down to 1000, and those beds that are removed will be replaced with trees. He said this would give the Forestry Division a 2011 labor saving because it would reduce the hiring of 18-20 employees.

Mr. Daun said under major capital equipment of \$50,000 or more, it says in 2010 it was \$5 million and the proposed plan for 2011 - 2016 says \$11.7 to \$14 million and asked what is the cause for that increase?

Mr. Mantes replied that the department is trying to reduce the age of its equipment. He said the City has a substantial number of vehicles that are well beyond what their general useful life would be and it has become harder to maintain them. He said the 2011-2016 plan will start to bring the vehicles into a more desirable age group.

Mr. Schifalacqua referred to the consolidations of Sanitation yard at 35th & Hayes and the Forestry yard at 21st & Holt Ave to the former Water Works Facility at 37th & Lincoln Ave. and asked if there would also be cost saving in efficiencies in other areas of the departments budget?

Mr. Cole replied in the affirmative.

Mr. Schifalacqua referred to the \$450,000 for radio replacement cost and asked if this is tied into the new police radio open sky system?

Mr. Cole replied that he will be meeting with the Police Dept. to discuss the possibility of including the Operations Division vehicles into the open sky system, however, if the open sky system can not accommodate the DPW vehicles, the proposed funds requested will still be used to put radios and a console in the dispatch center.

Presentations given by the following City departments on their proposed 2011 capital improvements budget request:

---Department of Public Works, Infrastructure Services (Exhibit 1)

Mr. Jeff Polenske, City Engineer, Dale Mejaki, Field Operations Manager, Venu Gupta, Buildings & Fleet Services Superintendent and Paul Fredrick, Facilities Manager appeared on this matter.

Mr. Polenske gave a summary of the Infrastructure Services proposed capital improvements 2011 budget.

Mr. Polenske then read through the list of projects and funding requests for DPW, Infrastructure Division as listed on the DPW 2011-2016 Capital Improvements Plan (Exhibit 1).

Mr. Mejaki gave an overview of the major bridge projects.

Mr. Nicolini said most of the funding requested for the major bridge program is for two movable bridges and asked if the department could elaborate on the risks and concerns that it has with doing two bridges in the same year?

Mr. Mejaki replied that the two bridges scheduled for repairs are the Wisconsin Ave. and the Juneau Ave. He said those bridges are two different types of projects, the Wisconsin Ave is a rehab project and the Juneau Ave. is complete replacement. He said there is more risk with rehab projects, because of the unknowns.

Ald. Dudzik asked why the bridge program funding request for 2011 shows a decrease of \$200,000, compared to 2010?

Mr. Mejaki replied that when the department prepared its 2010 budget the replacement cost for Juneau Ave. bridge was included, but recently the City received grant funding for that bridge, therefore, the funding for that bridge was removed for 2011. He said the amount of bridge fund request goes backup in 2012.

Ald. Bauman said that the 2nd St. reconstruction project has a \$200,000 allocation for the quiet zone and that would not be enough to cover full cost of the quiet zone. He said he has been advised that DPW has is trying to get the remaining funding for the quiet zone from the Development fund.

Mr. Polenske replied that there DPW has an agreement with Dept. of City Development to share in the cost for that quiet zone.

Ald. Bauman said the development fund is very small and is geared towards retail and commercial development and it isn't appropriate to used those funds for the quiet zone. He said the funding for the quiet zone should come from the paving program fund.

Mr. Schifalacqua said Mr. Polenske mentioned that there may some additional federal funding that the City could apply for that can be used for local streets construction.

Mr. Polenske replied that most of the ARRA dollars were only allowed to be use for arterial streets. He said there has been some other federal funding programs that

would be more flexibility as to what it could be used for, but the City was not successful in getting those funds. He said there is a jobs bill that the City is applying for that may bring another \$20 million for infrastructure projects. He said the department will continue to apply for any and all additional program funding that becomes available.

Ald. Dudzik asked if the \$800,000 that is budgeted for alley reconstruction is sufficient?

Mr. Polenske replied in the negative. He said the problem is that alley projects tend to get deleted, because the home owners are not in favor of the project.

Mr. Nicolini asked if Mr. Polenske could summarize the street lighting circuit replacement program?

Mr. Polenske replied that the department is currently working on the lighting circuits in the outlying areas of the City and they should have the whole City complete by 2015. He said the new lighting circuitry will provide timelier start-ups and turn-offs of the system and will also help in monitoring for problems. He said the operation side of it will be a great benefit to the field staff.

Mr. Gupta handed out a one year profile of the Facilities Dev. & Management Section capital improvements program (Exhibit 2). He then gave an overview of each of the programs budget for 2011.

Mr. Nicolini asked if the work that needs to be done for the Northwest municipal garage is completed?

Mr. Gupta replied in the negative.

Mr. Gupta said that he will be putting together a condition data report for all the recreation facilities.

Ald. Dudzik asked if the \$3 million for the city hall foundation hollow walk reconstruction is in addition to the project's total cost of \$4.5 million?

Mr. Gupta replied in the negative. He said the cost for the hollow walk reconstruction is included in the total cost.

Roll call taken at 10:09 A.M.

Roll call:

Members Present: 6 - Ald. Joseph Dudzik, Chair, Gerald Froh (Ald. Michael Murphy Alternate), Jeffrey Mantes, Michael Daun (W. Martin Morics Alternate), Mark Nicolini, and Mariano Schifalacqua

Members Excused: 1 - Ald. Bauman

5. Next meeting date, time and agenda

Next meeting date: April 14, 2010 at 9:00 A.M. in Room 301-B.

Mr. Schifalacqua asked what is the procedure for this committee to make suggested changes regarding the departments proposed 2011 capital improvements plan budget requests that are being presented?

Ald. Dudzik replied that this year the committee will work closely with the budget office to put together the 2011 proposed budget with some input and in future years this committee will have a significant impact.

Meeting adjourned: 10:31 A.M.

**Terry J. MacDonald
Staff Assistant**

This meeting can be viewed in its entirety through the City's Legislative Research Center at <http://milwaukee.legistar.com/calendar>.

2011-2016 Capital Improvements Plan (DRAFT)

	2010 ADOPTED BUDGET	2011 REQUESTED BUDGET	2012 PROJECTED BUDGET	2013 PROJECTED BUDGET	2014 PROJECTED BUDGET	2015 PROJECTED BUDGET	2016 PROJECTED BUDGET	TOTAL 2011-16 SIX YEAR DRAFT PLAN
DPW ADMINISTRATIVE SERVICES DIVISION								
Public Safety Communications	\$500,000	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$3,750,000
TOTAL DPW ADMINISTRATIVE SERVICES DIVISION	\$500,000	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$3,750,000
DPW OPERATIONS DIVISION								
Environmental Headquarters Modifications	\$0	\$2,800,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$7,800,000
Industrial Road Facility Relocation	-	1,700,000	5,100,000	-	-	-	-	6,800,000
Self Help Scales	-	530,000						530,000
Concealed Irrigation and General Landscaping City Boulevards	462,879	460,000	750,000	750,000	750,000	750,000	750,000	4,210,000
Planting Trees Shrubs and Evergreens (Paving) Various Sites	1,741,125	2,300,000	2,077,500	2,077,500	2,077,500	2,077,500	2,077,500	12,687,500
Boulevard Plan	580,000	-	-	-	-	-	-	-
Emerald Ash Borer Readiness & Response	937,000	830,000	850,000	850,000	850,000	850,000	850,000	5,080,000
Major Capital Equipment (\$50,000 or More)	5,500,000	12,982,000	11,949,350	11,651,925	13,206,950	14,108,540	13,776,150	77,674,915
Two-Way Radio Replacement	-	450,000	452,300	-	-	-	-	902,300
TOTAL DPW OPERATIONS DIVISION	9,221,004	22,052,000	22,179,150	16,329,425	17,884,450	18,786,040	18,453,650	115,684,715
DPW INFRASTRUCTURE SERVICES DIVISION								
Underground Conduit and Manholes	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$6,000,000
Major Bridge Program - State & Feder Aided	500,000	6,354,000	1,237,000	1,740,000	1,825,000	1,910,000	2,005,000	15,071,000
*****Grants & Aids*****	-	23,116,000	7,003,000	7,400,000	7,400,000	7,400,000	7,400,000	59,719,000
Major Bridge Program - Local	6,425,000	200,000	6,275,000	6,700,000	7,975,000	8,550,000	8,275,000	37,975,000
Street Improvements City Portion of State and/or Federal Aided Projects	4,730,000	8,314,100	7,487,630	5,197,100	5,557,685	5,060,200	4,460,000	36,076,715
*****Special Assessments*****	194,000	100,000	884,000	730,900	1,380,200	1,589,200	1,265,000	5,949,300
*****Grants & Aids*****	10,936,200	51,505,230	32,558,940	20,539,700	19,161,590	22,024,600	17,740,000	163,530,060
New Street Construction	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000
*****Special Assessments*****	50,000	50,000	150,000	150,000	150,000	150,000	150,000	800,000
Street Reconstruction and Resurface	12,000,000	15,300,000	13,300,000	15,300,000	13,300,000	15,300,000	13,300,000	85,800,000
*****Special Assessments*****	1,000	100	100	100	700,000	700,000	700,000	2,100,300
Alley Reconstruction and Resurface	800,000	1,500,000	1,800,000	2,100,000	2,100,000	2,100,000	2,100,000	11,700,000
*****Special Assessments*****	200,000	1,000,000	1,200,000	1,400,000	1,400,000	1,400,000	1,400,000	7,800,000
Sidewalk Replacement Program (Contract and Scattered Sites)	900,000	1,190,000	1,250,000	1,320,000	1,380,000	1,450,000	1,530,000	8,120,000
*****Special Assessments*****	325,000	410,000	450,000	480,000	520,000	550,000	570,000	2,980,000
New Streets Developer	400,000	-	400,000	400,000	400,000	400,000	400,000	2,000,000
Street Lighting Program Citywide	7,000,000	7,500,000	8,750,000	9,150,000	9,550,000	9,550,000	9,200,000	53,700,000
Traffic Control Facilities Citywide	1,182,500	2,366,000	2,316,000	2,370,000	2,374,500	2,032,000	1,865,000	13,323,500
Underground Electrical Manholes (Communications, Traffic Control, Street Lighting) Reconstruction Program	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000

2011-2016 Capital Improvements Plan (DRAFT)

	2010 ADOPTED BUDGET	2011 REQUESTED BUDGET	2012 PROJECTED BUDGET	2013 PROJECTED BUDGET	2014 PROJECTED BUDGET	2015 PROJECTED BUDGET	2016 PROJECTED BUDGET	TOTAL 2011-16 SIX YEAR DRAFT PLAN
City Hall Hollow Walk Structural Repairs	\$2,700,000	\$4,500,000	\$4,500,000	\$0	\$0	\$0	\$0	\$9,000,000
MacArthur Square Plaza Remediation	-	247,000	251,000	255,000	259,000	263,000	267,000	1,542,000
Environmental Remediation Program	100,000	260,000	319,000	324,000	329,000	334,000	339,000	1,905,000
ADA Compliance Program	95,000	307,200	190,000	190,000	295,400	295,400	374,000	1,652,000
Facilities Exterior Program	1,409,700	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	7,200,000
City Hall Complex Remodeling	80,000	50,000	138,000	1,804,000	3,223,000	3,577,000	3,577,000	12,369,000
Municipal Garages/Outlying Facilities Remodeling	295,000	1,700,000	1,500,000	500,000	500,000	500,000	1,500,000	6,200,000
Facilities Systems Program	685,000	1,020,000	2,800,000	2,800,000	2,800,000	2,800,000	2,800,000	15,020,000
Recreational Facilities Program	388,240	489,500	500,000	500,000	500,000	500,000	500,000	2,989,500
Space Planning Alterations and Engineering	160,000	166,000	172,000	178,000	184,000	190,000	196,000	1,086,000
ZMB Lower Parking Floor Restoration	86,500	1,530,000						1,530,000
Energy Efficiency & Renewable Energy Initiative Program		1,100,000	800,000	850,000	900,000	950,000	1,000,000	5,600,000
Building Exterior Façade Restoration		385,400	584,900	521,300	494,600	173,100	-	2,159,300
IT Equipment Room Compliance Program		150,000	250,000	50,000				450,000
*****Total Grants & Aids*****	\$10,936,200	\$74,621,230	\$39,561,940	\$27,939,700	\$26,561,590	\$29,424,600	\$25,140,000	\$223,249,060
*****Total Special Assessments*****	770,000	1,560,100	2,684,100	2,761,000	4,150,200	4,389,200	4,085,000	\$19,629,600
Total City Funding (incl. Special Assessment)	\$42,106,940	\$58,789,300	\$60,104,630	\$57,610,400	\$60,697,385	\$62,923,900	\$60,373,000	\$360,498,615
TOTAL DPW INFRASTRUCTURE SERVICES DIVISION	\$53,043,140	\$133,410,530	\$99,666,570	\$85,550,100	\$87,258,975	\$92,348,500	\$85,513,000	\$583,747,675
GRAND TOTAL DPW GRANTS & AIDS	\$10,936,200	\$74,621,230	\$39,561,940	\$27,939,700	\$26,561,590	\$29,424,600	\$25,140,000	\$223,249,060
GRAND TOTAL DPW CITY FUNDING	\$51,827,944	\$81,466,300	\$82,908,780	\$74,564,825	\$79,206,835	\$82,334,940	\$79,451,650	\$479,933,330
GRAND TOTAL DEPARTMENT OF PUBLIC WORKS	\$62,764,144	\$156,087,530	\$122,470,720	\$102,504,525	\$105,768,425	\$111,759,540	\$104,591,650	\$703,182,390
PARKING FUND								
1000 North Water Parking Structure Repairs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MacArthur Square Parking Structure Repairs	-	-	-	-	415,000	-	760,000	1,175,000
Parking Facility Maintenance	400,000	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000
Multi-Space Meters	-	600,000	-	-	-	-	-	600,000
Milwaukee/Michigan Parking Structure Repairs	-	-	-	440,000	440,000	-	-	880,000
Fourth and Highland Parking Structure Repairs	550,000	-	-	500,000	-	310,000	125,000	935,000
Second and Plankinton Parking Structure Repairs	-	325,000	540,000	-	-	465,000	-	1,330,000
TOTAL PARKING FUND	\$950,000	\$1,175,000	\$790,000	\$1,190,000	\$1,105,000	\$1,025,000	\$1,135,000	\$6,420,000
DPW WATER WORKS								
Distribution System	\$15,000,000	\$14,370,000	\$16,500,000	\$17,000,000	\$17,800,000	\$18,600,000	\$19,400,000	\$103,670,000
Distribution System - Assessable	100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000
Development Out-of-Program Agreement Various Locations	300,000	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000
Feeder Main Program	-	2,750,000	1,140,000	1,160,000	1,180,000	1,200,000	1,220,000	8,650,000

2011-2016 Capital Improvements Plan (DRAFT)

	2010 ADOPTED BUDGET	2011 REQUESTED BUDGET	2012 PROJECTED BUDGET	2013 PROJECTED BUDGET	2014 PROJECTED BUDGET	2015 PROJECTED BUDGET	2016 PROJECTED BUDGET	TOTAL 2011-16 SIX YEAR DRAFT PLAN
Linwood Plant Building Improvements	-	1,520,000	1,250,000	810,000	150,000	150,000	1,000,000	4,880,000
Linwood Plant Treatment Improvements	350,000	1,275,000	1,775,000	6,030,000	4,800,000	2,500,000	1,500,000	17,880,000
Howard Plant Building Improvements	-	600,000	200,000	550,000	200,000	250,000	300,000	2,100,000
Howard Plant Treatment Improvements	130,000	950,000	700,000	1,300,000	1,000,000	1,000,000	1,800,000	6,750,000
Pump Facilities Improvements	3,600,000	2,050,000	2,150,000	3,100,000	900,000	500,000	2,500,000	11,200,000
Storage Facilities Improvements	100,000	300,000	2,700,000	200,000	2,000,000	3,000,000	6,000,000	14,200,000
Meter Shop Improvements	-	150,000	-	3,000,000	-	-	-	3,150,000
Backup Power Generation	450,000	-	4,700,000	1,300,000	6,000,000	-	-	12,000,000
Capital Project Contingencies	-	-	1,000,000	-	2,000,000	-	2,000,000	5,000,000
TOTAL DPW WATER WORKS	\$20,030,000	\$24,365,000	\$32,515,000	\$34,850,000	\$36,430,000	\$27,600,000	\$36,120,000	\$191,880,000
DPW SEWER MAINTENANCE FUND								
Sewer Relief & Relay Program	\$15,162,000	\$29,000,000	\$30,000,000	\$31,000,000	\$31,000,000	\$32,000,000	\$33,000,000	\$186,000,000
Storm Water Quality Projects	1,925,000	2,000,000	2,000,000	2,000,000	-	-	-	6,000,000
*****Grants & Aids*****	-	-	-	-	-	-	-	-
Pump Facility Projects	500,000	1,000,000	1,000,000	1,000,000	500,000	500,000	500,000	4,500,000
SCADA Upgrade Project	-	-	-	-	-	-	-	-
I&I Reduction Projects	6,350,000	6,370,000	4,890,000	4,900,000	3,000,000	3,000,000	3,000,000	25,160,000
*****Total Grants & Aids*****	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total City Funding	\$23,937,000	\$38,370,000	\$37,890,000	\$38,900,000	\$34,500,000	\$35,500,000	\$36,500,000	\$221,660,000
TOTAL DPW SEWER MAINTENANCE FUND	\$23,937,000	\$38,370,000	\$37,890,000	\$38,900,000	\$34,500,000	\$35,500,000	\$36,500,000	\$221,660,000

**Department of Public Works
2011 Capital Improvement Budget Draft Request**

	2011 REQUESTED BUDGET
DPW ADMINISTRATIVE SERVICES DIVISION	
Public Safety Communications	
Paving Projects	60,500
Telephone System Upgrades	79,500
General Engineering	50,000
Copper and Fiber Projects	435,000
Total	625,000
TOTAL DPW ADMINISTRATIVE SERVICES DIVISION	
DPW OPERATIONS DIVISION	
Environmental Headquarters Modifications - Consolidate Forestry Yard at 21st and Holt and San yard at 35th and Hayes at Renovated Former Water Works Facility at 37th and Lincoln	2,800,000
Industrial Road Facility Relocation - new site acquisition, planning and design	1,700,000
Self Help Scales - Entry and Exit Scales at City's two Self Help Centers	530,000
Concealed Irrigation and General Landscaping City Boulevards	460,000
Planting Trees Shrubs and Evergreens (Paving) Various Sites - 211 replacement trees due to street construction, 3,244 replacement of dead or diseased trees, 2,450 new trees for Sustainable Boulevard Program.	2,300,000
Boulevard Plan -	-
Emerald Ash Borer Readiness & Response - Inoculate half of City's 33,000 ash trees annually.	830,000
Major Capital Equipment (\$50,000 or More)	
Backhoe/Loader 3 @ \$110,000 ea.	330,000
Sweeper 3 @ \$170,000 ea.	510,000
Tractor Light, Multi-Purpose 6 @ \$85,000 ea.	510,000
Tractor, Front-End Wheel Loader 5 @ \$125,000 ea.	625,000
Tractor, Trencher w/Breaker, Trailer 1 @ \$60,000 ea.	60,000
Truck, Aerial, 36 Ft. Step Van Body 2 @ \$160,000 ea.	320,000
Truck, Aerial, 36 Ft. Utility Body 1 @ \$160,000 ea.	160,000
Truck, Aerial, 50 Ft. Utility Body 1 @ \$165,000	165,000
Truck, Aerial, 50 Ft., Chip Box 1 @ \$165,000	165,000
Truck, Digger-Derrick 1 @ \$200,000 ea.	200,000
Truck, Dump, 16 Yard Tri-Axle 5 @ \$700,000 ea.	700,000
Truck, Dump, 2 Yard w/Compressor 2 @ \$220,000 ea.	220,000
Truck, Dump, 5 Yard 4 @ \$110,000 ea.	440,000
Truck, Dump, 5 Yard w/Underbody Plow 8 @ \$160,000 ea.	1,280,000
Truck, Dump, 5 Yard, Crew Cab 2 @ \$95,000 ea.	190,000
Truck, Log Loader 1 @ \$180,000 ea.	180,000
Truck, Packer, 20 Yard Container 2 @ \$130,000 ea.	260,000
Truck, Packer, 25 Yard Rearload 8 @ \$260,000 ea.	2,080,000
Truck, Packer, 25 Yard w/Ramp Lift Arm 3 @ \$265,000	795,000
Truck, Packer, 25 Yard Recycle 7 @ \$260,000 ea.	1,820,000
Truck, Packer, 31 Yard Top Load 2 @ \$240,000 ea.	480,000
Truck, Pickup, Utility 8 @ \$54,000 ea.	432,000
Truck, Platform/Compressor/Salter/Plow 3 @ \$80,000 ea.	240,000
Truck, Roll-Off 4 @ \$160,000 ea.	640,000
Truck, Step Van 2 @ \$180,000 ea.	180,000
Total	12,982,000
Two-Way Radio Replacement	450,000
TOTAL DPW OPERATIONS DIVISION	
	22,052,000

Department of Public Works
2011 Capital Improvement Budget Draft Request

	2011 REQUESTED BUDGET
DPW INFRASTRUCTURE SERVICES DIVISION	
Underground Conduit and Manholes	1,000,000
Major Bridge Program - State & Feder Aided	6,354,000
*****Grants & Aids*****	23,116,000
Major Bridge Program - Local	200,000
Street Improvements City Portion of State and/or Federal Aided Projects	8,314,100
*****Special Assessments*****	100,000
*****Grants & Aids*****	51,505,230
New Street Construction	200,000
*****Special Assessments*****	50,000
Street Reconstruction and Resurface	15,300,000
*****Special Assessments*****	100
Alley Reconstruction and Resurface	1,500,000
*****Special Assessments*****	1,000,000
Sidewalk Replacement Program (Contract and Scattered Sites)	1,190,000
*****Special Assessments*****	410,000
New Streets Developer	-
Street Lighting Program Citywide	7,500,000
Traffic Control Facilities Citywide	2,366,000
Underground Electrical Manholes Reconstruction Program	200,000
City Hall Hollow Walk Structural Repairs	4,500,000
MacArthur Square Plaza Remediation	247,000
Environmental Remediation Program	
Asbestos Abatement-Hazardous Waste	75,000
Soil and Groundwater Remediation	75,000
CRG Curb and Gutter SWPP	110,000
Total	260,000
ADA Compliance Program(City Hall 8th Floor Restrooms)	307,200
Facilities Exterior Program	
Reroofing Central Repair Garage Heavy Side	823,400
Reroofing Anderson Tower Municipal Building	176,600
Various Sites-Emergency Repairs	200,000
Total	1,200,000
City Hall Complex Remodeling(City Hall Complex Carpet Replacement-Variou)	50,000
Municipal Garages/Outlying Facilities Remodeling	1,700,000
Facilities Systems Program	
City Hall Complex - Annual Electrical Switchgear Maint and Repair	60,000
City Hall - Electrical Distribution and Code Compliance - Phase 3	250,000
Zeidler Municipal Building - Emergency Egress Lighting	210,000
Various Sites - Block Heater Repairs	30,000
Various Sites - CCTV and Access Control Upgrades	140,000
Various Sites - Emergency Mechanical Repairs	150,000
Various Sites - Emergency Electrical Repairs	100,000
809 Building - 4th Floor ERS Electrical Upgrades	80,000
Total	1,020,000
Recreational Facilities Program	-
Allis Street - Equipment Upgrade	97,000
31st & Lloyd - Reconstruction ADA	79,000
Columbia - Playground Reconstruction	113,000

**Department of Public Works
2011 Capital Improvement Budget Draft Request**

	2011 REQUESTED BUDGET
Auer Avenue - Basketball Court Reconstruction	123,000
Various Sites - Non Programmed	25,000
Engineering	52,500
Total	489,500
Space Planning Alterations and Engineering	166,000
ZMB Lower Parking Floor Restoration	1,530,000
Energy Efficiency & Renewable Energy Initiative Program	1,100,000
Building Exterior Façade Restoration	385,400
IT Equipment Room Compliance Program	150,000
*****Total Grants & Aids*****	74,621,230
*****Total Special Assessments*****	1,560,100
Total City Funding (incl. Special Assessment)	58,789,300
TOTAL DPW INFRASTRUCTURE SERVICES DIVISION	133,410,530
GRAND TOTAL DPW GRANTS & AIDS	74,621,230
GRAND TOTAL DPW CITY FUNDING	81,466,300
GRAND TOTAL DEPARTMENT OF PUBLIC WORKS	156,087,530

**Department of Public Works
2011 Capital Improvement Budget Draft Request**

	2011 REQUESTED BUDGET
PARKING FUND	
1000 North Water Parking Structure Repairs	-
MacArthur Square Parking Structure Repairs	-
Parking Facility Maintenance	250,000
Multi-Space Meters(Install at Marquette University and Mt. Sainai)	600,000
Milwaukee/Michigan Parking Structure Repairs	-
Fourth and Highland Parking Structure Repairs	-
Second and Plankinton Parking Structure Repairs(2012 Slab Reconstruction)	325,000
TOTAL PARKING FUND	1,175,000
DPW WATER WORKS	
Distribution System	14,370,000
Distribution System - Assessable	100,000
Development Out-of-Program Agreement Various Locations	300,000
Feeder Main Program	2,750,000
Linwood Plant Building Improvements	1,520,000
Linwood Plant Treatment Improvements	1,275,000
Howard Plant Building Improvements	600,000
Howard Plant Treatment Improvements	950,000
Pump Facilities Improvements	2,050,000
Storage Facilities Improvements	300,000
Meter Shop Improvements	150,000
Backup Power Generation	-
Capital Project Contingencies	-
TOTAL DPW WATER WORKS	24,365,000
DPW SEWER MAINTENANCE FUND	
Sewer Relief & Relay Program	29,000,000
Storm Water Quality Projects	2,000,000
*****Grants & Aids*****	-
Pump Facility Projects	1,000,000
SCADA Upgrade Project	-
I&I Reduction Projects	6,370,000
*****Total Grants & Aids*****	-
Total City Funding	38,370,000
TOTAL DPW SEWER MAINTENANCE FUND	38,370,000

Capital Improvement Request Form Part I

Project/Program Title: Public Safety Communications Requesting Department: DPW/Administration
 Prepared By/Phone Ext: David Henke/3248 Department Head Signature: _____
 Account No: ST27011000

A) Department Priority _____ of _____ Useful Life 50 Years Level of Need Essential Important Desired
 Type of Project New Replacement Repair Project/Program Scope Fully Defined Partially Defined
 On-Going Program

B) Description

Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking

Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration

One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No Number of Years 6

D) Total Positions 15 Total FTEs 3.0

Position Title	Telecommunication & Other	No. of Positions	FTEs	Salaries
		<u>3</u>	<u>0.5</u>	\$ <u>40,000</u>
	<u>Electrical Mechanics (Operations)</u>	<u>12</u>	<u>2.5</u>	\$ <u>150,000</u>
				\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 The City of Milwaukee 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 City entities. AT&T charges about \$2,500-\$4,000 per month for their "Gigaman" circuits depending on distance. Based on this the value of the 'gigabit' circuits we provide is about \$450,000 per month. DPW also provides other types of communication circuits for the phone system, the Police radio system, SCADA systems and other systems.

G) Additional Comments
 The City of Milwaukee Optical Network (COMON) is a system of fiber optic cables which reside in the city's 540 miles of underground conduit. COMON has expanded from Public Safety locations to other City operations, providing circuits for: data, telephony, SCADA, security, building management, fuel management, telemetry, and video systems. COMON has, with the support of the Mayor and Common Council, developed to serve other public entities; including WISNET/University of Wisconsin - Milwaukee (UW-M), MATC, Marquette University, UW-M (Internet@ community), UW-M Great Lakes WATER Institute, Discovery World, Milwaukee World Festival, Midwest Airlines Convention Center, VISIT Milwaukee, WisDOT, MIAD, and Milwaukee Public Museum. The 2011-2015 Public Safety Communications Program will continue the extension of the optical network to the Housing Authority and Libraries and other public institutions. Remaining buildings and network redundancies for critical facilities will be programmed within this schedule. Public Safety Communications contributes to the attainment of several citywide strategic goals including: protecting citizens from crime and fire hazards, strengthening Milwaukee's neighborhoods and ensuring residents and businesses obtain high value from and pay a fair cost for services provided.

Capital Improvement Request Part II

Requesting Department: DPW/Administration

Project/Program Title: Public Safety Communications

Account No: ST27011000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request	\$625,000					\$625,000
2012 Projection	\$625,000					\$625,000
2013 Projection	\$625,000					\$625,000
2014 Projection	\$625,000					\$625,000
2015 Projection	\$625,000					\$625,000
2016 Projection	\$625,000					\$625,000
Total Six Year Cost	\$3,750,000	\$0	\$0	\$0	\$0	\$3,750,000
Total Project Cost	\$3,750,000	\$0	\$0	\$0	\$0	\$3,750,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____

Estimated Completion Date: _____

Department Head Signature _____

Prepared By/Phone Ext David Henke/3248

Capital Improvement Request Form Part I

Project/Program Title: Underground Conduit and Manhole Program **Requesting Department:** DPW/Infrastructure Services
Prepared By/Phone Ext: Clark Wantoch/2401 **Department Head Signature:** _____
Account No: ST280110000

A) Department Priority _____ of _____ **Useful Life** 75 **Years** **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** _____

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries	\$
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 See Attached Sheet

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure Services **Account No:** ST280110000
Project/Program Title: Underground Conduit and Manhole Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request	\$1,000,000					\$1,000,000
2012 Projection	\$1,000,000					\$1,000,000
2013 Projection	\$1,000,000					\$1,000,000
2014 Projection	\$1,000,000					\$1,000,000
2015 Projection	\$1,000,000					\$1,000,000
2016 Projection	\$1,000,000					\$1,000,000
Total Six Year Cost	\$6,000,000	\$0	\$0	\$0	\$0	\$6,000,000
Total Project Cost	\$6,000,000	\$0	\$0	\$0	\$0	\$6,000,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:		2011	2012	2013	2014	2015	2016
Thorough Cost Estimate		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source? Yes No Uncertain
 Are cost estimates based on industry standards? Yes No Uncertain
 Will city employees be performing any portion of the work? Yes No Uncertain
 Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____
 Estimated Completion Date: _____

Department Head Signature _____
 Prepared By/Phone Ext _____

Capitol Improvements Request Form Part 1

Project Program Title: Underground Conduit and Manhole Program

F) Project Program Justification

The Underground Conduit and Manholes Program is a City-Wide Program.

The installation of a permanent underground electrical conduit and manhole system provides secure weatherproof public safety cable circuit networks for various City agencies, DCD, DPW, Fire, Health, Police, Street Lighting and Traffic Control, for the following three reasons:

First, the underground conduit and manhole system provides a reliable route for the City communications cables to be installed into all existing and proposed Fire Engine Houses, Health Department Centers, Milwaukee Public Libraries, Buildings and Fleet Division garages and shops, Police Department precincts, the Port of Milwaukee buildings, storm sewer monitoring stations and other public buildings, Infrastructure Services Division Field Operations yards, Water Department pumping stations and all City bridges and buildings and other agencies.

Second, the conduit and manhole system provides a reliable cable route for the traffic control of signalized intersections City-Wide, interconnecting traffic control cable systems for synchronization of signalized intersections City-Wide, interconnecting traffic control and various existing monitoring remote controlled vehicular traffic counter stations and future closed-circuit traffic control devices, City-Wide.

Third, the conduit and manhole system is utilized by the Infrastructures system for street lighting cable circuits from above and below ground electrical substations, special lighting systems, recreational lighting facilities and the on/off City-Wide street light eye sensor system.

The Underground Conduit and Manhole system program also allows for the expansion and revision to the existing City-Wide public safety networks as mentioned above. Whenever possible and consistent with the underground conduit system master City-Wide grid maps, expansion and improvement in these networks are directly related to City, County or State roadway paving projects, urban renewal development projects, and independent non-paving projects. If the underground conduit and manhole system is not funded, unaesthetic wood poles and aerial cable systems will have to be installed. This procedure will create a tremendous increase and impact on the Division's maintenance program due to damage caused to aerial cable exposure from all seasonal weather conditions and wood pole knock downs. These unnecessary disruptions would disconnect vital and immediate service responses needed to the community from the Fire and Police Departments and other City facilities. Therefore, the ultimate goal of the underground system is to service all City buildings including all Public Schools and their facilities and all Public Libraries.

Proposed 2011 conduit projects (subject to change based upon Common Council approval of paving/bridge projects and/or available funds):

Conduit Projects in conjunction with Paving Project:

- N Plankinton Ave – W Wisconsin Ave to W Wells St
- W Appleton Ave – W Capitol Dr to USH 45
- E Lincoln Ave – S KK Ave to S 1st St
- W Oklahoma Ave – N 76th St to N 99th St
- S 13th St – W Windlake to W Forest Home Ave
- Juneau Ave Bridge over the Milwaukee River

Conduit Project to service a City Facility:

- S 84th St – W Oklahoma Ave to W Morgan Ave (Fire House)

S 13th St – W Windlake to W Forest Home Ave
Juneau Ave Bridge over the Milwaukee River

Conduit Project to service a City Facility:

S 84th St – W Oklahoma Ave to W Morgan Ave (Fire House)

Capital Improvement Request Form Part I

Project/Program Title: BRIDGE PROGRAM, STATE AND FEDERAL AID **Requesting Department:** DPW
Prepared By/Phone Ext: CRAIG LIBERTO / X-3294 **Department Head Signature:** _____
Account No: BR300100000

A) Department Priority _____ of _____ **Useful Life** 70 **Years** **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
One Year Yes No
On-Going Program Yes No
Multi-Year Yes No **Number of Years** _____

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries \$
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 Refer to 2011 DPW Capital Improvement Project/Program Description

G) Additional Comments

2011 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PROJECT GRANT NUMBER <p style="text-align: center;">BR300100000</p>	PROJECT/PROGRAM TITLE & LOCATION <p style="text-align: center;">BRIDGE PROGRAM, STATE AND FEDERAL AID</p>
DIVISION/ SECTION <p style="text-align: center;">INFRASTRUCTURE SERVICES DIVISION / FIELD OPERATIONS SECTION</p>	
DATE <p style="text-align: center;">March 3, 2010</p>	PREPARED BY/PHONE <p style="text-align: center;">CRAIG LIBERTO / X-3294</p>
<u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u>	
<p>One of the goals listed in the strategic plan for the infrastructure Services Division is to provide safe, attractive and efficient surface public way and infrastructure systems. The outcome indicator used to evaluate the bridge program is the percent of bridges rated above a condition rating of 50.</p> <p>This Bridge Program is necessary to meet the following objectives:</p> <ol style="list-style-type: none"> 1. Preserve and maintain a bridge system at a standard considered safe for motorists and pedestrians, which meets the needs of the City. 2. Reduce the property tax levy necessary to maintain and preserve the bridge system. 3. Provide for the efficient movement of vehicles, people and commodities. 4. Improve and expand the bridge system thereby fostering residential and commercial development, which raises property values and allows the City to grow and prosper. <p>Almost all major streets in the City are designated as part of the Federal Aid Transportation and most are eligible for State, County and/or Federal Funds to assist the City with financing bridge rehabilitation and reconstruction improvements. The local share of total costs of projects eligible for Federal and/or State Aid Programs and the total cost of projects not eligible for aid are budgeted with the Bridge Program budget. Approximately 54 percent of the total cost of the current Bridge Program will be funded using State, Federal, and other funding sources.</p> <p>Various maintenance activities have been incorporated into the Bridge Capital Improvement Request. Incorporation of all major bridge capital improvement requests into one program allows better coordination of efforts to maintain and improve bridges, reduces work in preparing and reviewing the capital budgets, avoids duplication of effort and allows more flexibility in the administration of the Bridge Program.</p> <p>The Bridge Program assures a level of expenditures for bridge improvements that are consistent with the ability to finance improvements that are necessary to preserve the City's bridges system. The preservation and expansion of the City's street and bridge system are vital to the safe and efficient movement of people, vehicles, and commodities. Improving and expanding the transportation system promotes economic development and increases property values. Preservation and expansion projects having favorable land use, economic, safety, pollution, travel time and energy conservation impacts benefit both users and non-users of the transportation system. Benefits experienced by non-users include reduced noise and air pollution, a more aesthetically pleasing bridge system, potential increases in real estate values and an increase in construction jobs. The primary impact, however, is the positive change to the job market due to an improved transportation system.</p>	

Capital Improvement Budget Request Part II

Requesting Department: DPW / INFRASTRUCTURE **Account No.:** BR300100000
Project/Program Title: BRIDGE PROGRAM, STATE AND FEDERAL AID

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010	\$877,000	\$3,508,000	\$0	\$0	\$0	\$4,385,000
2011 Budget Request	\$6,354,000	\$23,116,000		\$0		\$29,470,000
2012 Projection	\$1,237,000	\$7,003,000		\$0		\$8,240,000
2013 Projection	\$1,740,000	\$7,400,000		\$0		\$9,140,000
2014 Projection	\$1,825,000	\$7,400,000		\$0		\$9,225,000
2015 Projection	\$1,910,000	\$7,400,000		\$0		\$9,310,000
2016 Projection	\$2,005,000	\$7,400,000		\$0		\$9,405,000
Total Six Year Cost	\$15,071,000	\$59,719,000	\$0	\$0	\$0	\$74,790,000
Total Project Cost	\$15,948,000	\$63,227,000	\$0	\$0	\$0	\$79,175,000

Life to Date Expenditures (Project Only) \$0 \$0 \$0 \$0 \$0 \$0

- Available Cost Estimate:**
- Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
 - Limited Information
 - Based on Cost of Similar Projects
 - Unsupported
- Were cost estimates confirmed by another source? Yes No Uncertain
 Are cost estimates based on industry standards? Yes No Uncertain
 Will city employees be performing any portion of the work? Yes No Uncertain
 Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____ **Varies**
 Estimated Completion Date: _____ **Varies**

Department Head Signature _____
 Prepared By/Phone Ext Craig Liberto x3294

BRIDGE PROGRAM, STATE AND FEDERAL AID, PARENT ACCOUNT

Funds Available 01-01-10 in Parent Account

2008 Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	2,576,307.85
2009 Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	762,000.00
TOTAL Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	\$3,338,307.85

Appropriation for 2010

Tax Levy - Cash	0.00
Other Revenues	0.00
New Borrowing (Bridge Program, State and Federal Aid)	0.00

Subaccount Close-outs (estimated)	161,692.15
-----------------------------------	------------

TOTAL FUNDS AVAILABLE	<u>\$3,500,000.00</u>
------------------------------	------------------------------

Estimated 2010 expenditures and carryover

Fund Transfers from Parent Fund from 01-01-10 to 03-05-10 (Bridge Program, State and Federal Aid)	\$0.00
Remaining 2010 Needs (Bridge Program, State and Federal Aid) - Attachment 1	2,623,000.00
Revenues Not Received	0.00

TOTAL EXPENDITURES	<u>\$2,623,000.00</u>
---------------------------	------------------------------

2010 ASSUMED CARRYOVER	<u>\$877,000.00</u>
-------------------------------	----------------------------

ATTACHMENT 1
 BRIDGE PROGRAM, STATE AND FEDERAL AID
 2010 FUNDING NEEDS FROM PARENT ACCOUNTS
 (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
STP BR	East Lincoln Viaduct over Union Pacific Railroad Construction	5,750	4,600	0	0	1,150
STP BR	South Howell Avenue over Union Pacific Railroad Construction Pending Resolution #091344	1,230	984	0	0	246
B	West County Line Road over Little Menomonee River Construction	1,000	0	500	0	500
ARRA BR	South 6th Street over Kinnickinnic River Construction Pending Resolution #091344	4,886	4,659	0	0	227
STP E	Various Project Design & Constr. Shortfalls	2,500	2,000	0	0	500
TOTALS		15,366	12,243	500	0	2,623

INFRASTRUCTURES SERVICES DIVISION
 2011 BRIDGE PROGRAM, STATE AND FEDERAL AID
 (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

Projects are listed in
 construction funding order

PROJECT	2011	2012	2013	2014	2015	2016	REVENUE & GRANT	6 YEAR TOTAL	REMARKS
S. Whitnall Avenue over Union Pacific Railroad	290						1160	1450	Construction: Bridge rehabilitation State/City share 80/20 funded Sufficiency Rating 59.6 Project Risk: Low
Juneau Avenue Bascule Bridge over Milwaukee River	3710						13290	17000	Construction: Movable bridge replacement Constr. TIGER Grant/City share 78.2/21.8 funded (approx.) Sufficiency Rating: 2.0 Project Risk: Complex; Movable bridge repl.
West Wisconsin Avenue Lift Bridge over Milwaukee River	2290						8210	10500	Construction: Movable bridge rehabilitation Design previously funded 80/20 in 2008 Constr. TIGER Grant/City share 78.2/21.8 funded (approx.) Sufficiency Rating 23.5 Project Risk: Complex; Movable bridge rehab.
West Granville Road over Little Menomonee River	85						340	425	Construction: Bridge removal Design previously funded 80/20 State/City share 80/20 funded Sufficiency Rating: 22.4 Project Risk: Low
North 45th Street Bridge over Menom. River	126						504	630	Construction: Renovation, painting, deck repl. Design previously funded 80/20 in 2007 State/City share 80/20 funds Sufficiency Rating 60.7 Project Risk: Complex; Unique access & scheduling issues to landlock adjacent businesses
W.illard Avenue over Lincoln Creek	330						1320	1650	Construction: Renovation, painting, deck repl. State/City share 80/20 funds Sufficiency Rating 73.2 Project Risk: Low
West Capitol Drive over Menomonee River		25					2035	2060	Construction: Bridge replacement Design previously funded 75/25 100% State funded Sufficiency Rating 48.0 Project Risk: Complex; Bridge repl. traffic control & waterway issues
West North Avenue over Canadian Pacific Railway		52					208	260	Additional Preliminary Engineering: Bridge rep Design previously funded 80/20 in 2007 State/City share 80/20 funded Sufficiency Rating 32.0 Project Risk: Complex; Bridge repl., work over railroad
West North Avenue over Canadian Pacific Railway		740					2960	3700	Construction: Bridge replacement Design previously funded 80/20 in 2007 State/City share 80/20 funded Sufficiency Rating 32.0 Construction funding needs to be acquired. Project Risk: Complex; Bridge repl., work over railroad
Various Bridges (To be determined based on future sufficiency ratings and applied for in 2013-2016 WisDOT funding cycle)			100	105	110	115	1720	2150	Design: Bridge rehab. or repl. State/City share 80/20 funded Design funding needs to be acquired.

INFRASTRUCTURES SERVICES DIVISION
 2011 BRIDGE PROGRAM, STATE AND FEDERAL AID
 (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

Projects are listed in
 construction funding order

PROJECT	2011	2012	2013	2014	2015	2016	REVENUE & GRANT	6 YEAR TOTAL	REMARKS
V _i Bridges (To be determined based on future sufficiency ratings and applied for in 2013-2016 WisDOT funding cycle)			1200	1260	1320	1390	20680	25850	Construction: Bridge rehab. or repl. State/City share 80/20 funded Construction funding needs to be acquired.
Various Projects Design & Constr. Shortfalls	400	420	440	460	480	500	10800	13500	Bridge Program engineering & construction
TOTALS BRIDGE, STATE & FED.	7231	1237	1740	1825	1910	2005	63227	79175	#NAME?

Capital Improvement Request Form Part I

Project/Program Title: BRIDGE PROGRAM, LOCAL Requesting Department: DPW

Prepared By/Phone Ext: CRAIG LIBERTO / X-3294 Department Head Signature: _____

Account No: BR100100000

A) Department Priority _____ of _____ Useful Life 70 Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program

Project/Program Scope Fully Defined Partially Defined

B) Description

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation

Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility

ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other _____

C) Project/Program Duration

One Year Yes No

On-Going Program Yes No

Multi-Year Yes No Number of Years _____

D) Total Positions _____ Total FTEs _____

Position Title	No. of Positions	FTEs	Salaries \$
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

E) In Six Year Capital Improvement Plan

Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification

Refer to 2011 DPW Capital Improvement Project/Program Description

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW / INFRASTRUCTURE / FIELD OPERATIONS

Project/Program Title: BRIDGE PROGRAM, LOCAL

Account No: BR300100000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2011	\$1,275,000	\$0	\$0	\$0	\$0	\$1,275,000
2011 Budget Request	\$200,000	\$0				\$200,000
2012 Projection	\$6,275,000	\$0				\$6,275,000
2013 Projection	\$6,700,000	\$0				\$6,700,000
2014 Projection	\$7,975,000	\$0				\$7,975,000
2015 Projection	\$8,550,000	\$0				\$8,550,000
2016 Projection	\$8,275,000	\$0				\$8,275,000
Total Six Year Cost	\$37,975,000	\$0	\$0	\$0	\$0	\$37,975,000
Total Project Cost	\$39,250,000	\$0	\$0	\$0	\$0	\$39,250,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source?

Are cost estimates based on industry standards?

Yes No

Will city employees be performing any portion of the work?

Did you perform a cost/benefit analysis?

How will this project impact city operating expenditures?

Estimated Start Date: Varies

Estimated Completion Date: Varies

Department Head Signature _____

Prepared By/Phone Ext CRAIG LIBERTO / X-3294

2011 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PRDJECT GRANT NUMBER <p style="text-align: center;">BR100100000</p>	PROJECT/PROGRAM TITLE & LOCATION <p style="text-align: center;">BRIDGE PROGRAM, LOCAL</p>
DIVISION/ SECTION <p style="text-align: center;">INFRASTRUCTURE SERVICES DIVISION / FIELD OPERATIONS SECTION</p>	
DATE <p style="text-align: center;">March 3, 2010</p>	PREPARED BY/PHONE <p style="text-align: center;">CRAIG LIBERTO / X-3294</p>
<u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u>	
<p>One of the goals listed in the strategic plan for the Infrastructure Services Division is to provide safe, attractive and efficient surface public way and infrastructure systems. The outcome indicator used to evaluate the bridge program is the percent of bridges rated above a condition rating of 50.</p> <p>This Bridge Program is necessary to meet the following objectives:</p> <ol style="list-style-type: none"> 1. Preserve and maintain a bridge system at a standard considered safe for motorists and pedestrians, which meets the needs of the City. 2. Reduce the property tax levy necessary to maintain and preserve the bridge system. 3. Provide for the efficient movement of vehicles, people and commodities. 4. Improve and expand the bridge system thereby fostering residential and commercial development, which raises property values and allows the City to grow and prosper. <p>Almost all major streets in the City are designated as part of the Federal Aid Transportation and most are eligible for State, County and/or Federal Funds to assist the City with financing bridge rehabilitation and reconstruction improvements. The local share of total costs of projects eligible for Federal and/or State Aid Programs and the total cost of projects not eligible for aid are budgeted with the Bridge Program budget. Approximately 54 percent of the total cost of the current Bridge Program will be funded using State, Federal, and other funding sources.</p> <p>Various maintenance activities have been incorporated into the Bridge Capital Improvement Request. Incorporation of all major bridge capital improvement requests into one program allows better coordination of efforts to maintain and improve bridges, reduces work in preparing and reviewing the capital budgets, avoids duplication of effort and allows more flexibility in the administration of the Bridge Program.</p> <p>The Bridge Program assures a level of expenditures for bridge improvements that are consistent with the ability to finance improvements that are necessary to preserve the City's bridges system. The preservation and expansion of the City's street and bridge system are vital to the safe and efficient movement of people, vehicles, and commodities. Improving and expanding the transportation system promotes economic development and increases property values. Preservation and expansion projects having favorable land use, economic, safety, pollution, travel time and energy conservation impacts benefit both users and non-users of the transportation system. Benefits experienced by non-users include reduced noise and air pollution, a more aesthetically pleasing bridge system, potential increases in real estate values and an increase in construction jobs. The primary impact, however, is the positive change to the job market due to an improved transportation system.</p>	

BRIDGE PROGRAM, LOCAL, PARENT ACCOUNT

Funds Available 01-01-10 in Parent Account

2007 Carryover Unencumbered Balance (Bridge Program, Local)	760,560.70
2008 Carryover Unencumbered Balance (Bridge Program, Local)	0.00
2009 Carryover Unencumbered Balance (Bridge Program, Local)	4,347,292.53
TOTAL Carryover Unencumbered Balance (Bridge Program, Local)	\$5,107,853.23

Appropriation for 2010

Tax Levy - Cash	0.00
Other Revenues	0.00
New Borrowing (Bridge Program, Local)	6,425,000.00

Subaccount Close-outs (estimated)	67,146.77
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TOTAL FUNDS AVAILABLE	<u>\$11,600,000.00</u>
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Estimated 2010 expenditures and carryover

Fund Transfers from Parent Fund from 01-01-09 to 03-06-09	\$0.00
Remaining 2010 Needs (Bridge Program, Local) - Attachment 1	10,325,000.00
Revenues Not Received	0.00

TOTAL EXPENDITURES	<u>\$10,325,000.00</u>
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2010 ASSUMED CARRYOVER	<u>\$1,275,000.00</u>
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ATTACHMENT 1
 BRIDGE PROGRAM, LOCAL
 2010 FUNDING NEEDS FROM PARENT ACCOUNTS
 (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
B	Clybourn Street Lift Bridge over Milwaukee River Rehabilitation Construction	8,000	0	0	0	8,000
B	Pleasant Street Lift Bridge over Milwaukee River Painting & Structural Repairs Additional Preliminary Engineering	200	0	0	0	200
B	Clybourn Street Lift Bridge over Milwaukee River Rehabilitation Consultant Design Mechanical/Hydraulic/Electrical Pending Resolution	300	0	0	0	300
B	Juneau Avenue Bascule Bridge over Milwaukee River Bridge Replacement Consultant Design Pending Resolution	1,500	0	0	0	1,500
B	City Safety Bridge Inspection - 2010 Pending Resolution	175	0	0	0	175
B	Various Project Design & Constr. Shortfalls	150	0	0	0	150
TOTALS		10,325	0	0	0	10,325

INFRASTRUCTURES SERVICES DIVISION
2011 BRIDGE PROGRAM, LOCAL
(AMOUNTS SHOWN IN 1000'S OF DOLLARS)

Projects are listed in
construction funding order

PROJECT	2011	2012	2013	2014	2015	2016	REVENUE & GRANT	6 YEAR TOTAL	REMARKS
Bray & Plankinton Avenue Movable Bridges	200						0	200	Relocate submarine cable junction boxes above water level Project Risk: Low
West Michigan St. & West Wells St. Movable Bridges	275						0	275	Remote bridge operation Installation to Wells St. Lift Bridge Project Risk: Low
Misc. Fixed Bridges	500						0	500	Bridge painting, structural steel repair Project Risk: Low
North Holton Street Viaduct & Marsupial bridges over Milwaukee River	250						0	250	Install brid screen over Marsupial Bridge, paint as needed Project Risk: Low
Pleasant Street Lift Bridge over Milwaukee River		5000					0	5000	Bridge painting, partial deck repl., décor lighting, hydraulic cylinder rehab. Project Risk: Complex; Movable bridge rehab.
North Broadway Bascule over the Milwaukee River		1000					0	1000	Painting, replace sidewalk plates, décor lighting Project Risk: Complex; Movable bridge rehab.
16th Street Bascule over Menomonee River			3000				0	3000	Bridge painting, fender piling & other repairs, card access system, decor lighting Project Risk: Complex; Movable bridge rehab.
W. St. Paul Avenue Lift Bridge over Milwaukee River			2500				0	2500	Bridge painting, sidewalk plate repl., deck & counterweight repairs, hydraulic cylinder rehab., décor lighting Project Risk: Complex; Movable bridge rehab.
Sr 16th Street & Water St. B. Bridges			800				0	800	Remote bridge operation installation to Water St. Bascule Bridge Project Risk: Low
West Michigan Street over Milwaukee River				4000			0	4000	Bridge painting, cable repl., hydraulic cylinder rehab. Project Risk: Complex; Movable bridge rehab.
South Plankinton Avenue Bridge over Menomonee River				1200			0	1200	Painting, sidewalk plate repl., décor lighting Project Risk: Complex; Movable bridge rehab.
Cherry Street Bridge over Milwaukee River				2500			0	2500	Bridge painting, structural steel repair Project Risk: Complex; Movable bridge rehab.
Water Street Bascule Bridge over Milwaukee River					1500		0	1500	Painting, accent lighting for movable bridge Project Risk: Complex; Movable bridge rehab.
West Wells Street Lift Bridge over Milwaukee River					2000		0	2000	Painting, hydraulic cylinder rehab. Project Risk: Complex; Movable bridge rehab.
West Wells Street Lift Bridge over Milwaukee River					800		0	800	Remote system to Michigan Lift Bridge Project Risk: Low
North Holton Street Viaduct over Milwaukee River					4000		0	4000	Painting, structural steel repair Project Risk: Complex; Major viaduct rehab.
South 1st Street Bascule Bridge over Kinnickinnic River						6000	0	6000	Bridge painting, structural steel repair Project Risk: Complex; Movable bridge rehab.
West Emmer Lane Bascule Bridge over Menomonee River						2000	0	2000	Bridge painting, structural steel repair Project Risk: Complex; Movable bridge rehab.
Underwater Dive Inspection of Sr Critical Bridges			150				0	150	Dive inspections required every 5 years by federal & state regulations Project Risk: Low
City Safety Bridge Inspection	150	175	150	175	150	175	0	975	Perform inspections required for federal & state bridge funds for eligible bridges & all other city bridges Project Risk: Low

INFRASTRUCTURES SERVICES DIVISION
 2011 BRIDGE PROGRAM, LOCAL
 (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

Projects are listed in
 construction funding order

PROJECT	2011	2012	2013	2014	2015	2016	REVENUE & GRANT	6 YEAR TOTAL	REMARKS
Various Bridges Administration/Indirect Costs	100	100	100	100	100	100	0	600	Bridge Program engineering Project Risk: Low
TOTALS BRIDGE, LOCAL	1475	6275	6700	7975	8550	8275	0	39250	

Capital Improvement Request Form Part I

Street Improvements State/Federal Aid
2011 Budget

Project/Program Title: _____

Requesting Department: DPW Infrastructure

Prepared By/Phone Ext: Lois Grest X2453

Department Head Signature: _____

Account No: ST320100000

A) Department Priority _____ of _____ Useful Life 25 Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program

Project/Program Scope Fully Defined Partially Defined

B) Description

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation

Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility

ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other _____

C) Project/Program Duration

One Year Yes No

On-Going Program Yes No

Multi-Year Yes No Number of Years _____

D) Total Positions _____ Total FTEs _____

Position Title	No. of Positions	FTEs	Salaries
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification

Condition of asset, end of useful life, safety Hazard, Roadway Enhancements

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW Infrastructure Account No: ST320100000
 Project/Program Title: Street Improvements State/Federal Aid 2011 Budget

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010	\$0			\$1,000,000		\$1,000,000
2011 Budget Request	\$8,314,100	\$51,505,230		\$100		\$59,819,430
2012 Projection	\$7,487,630	\$32,558,940		\$884,000		\$40,930,570
2013 Projection	\$5,197,100	\$20,539,700		\$730,900		\$26,467,700
2014 Projection	\$5,557,685	\$19,161,590		\$1,380,200		\$26,099,475
2015 Projection	\$5,060,200	\$22,024,600		\$1,589,200		\$28,674,000
2016 Projection	\$4,460,000	\$17,740,000		\$1,265,000		\$23,465,000
Total Six Year Cost	\$36,076,715	\$163,530,060	\$0	\$5,849,400	\$0	\$205,456,175
Total Project Cost	\$36,076,715	\$163,530,060	\$0	\$6,849,400	\$0	\$206,456,175

Life to Date Expenditures (Project Only) \$0 \$0 \$0 \$0 \$0 \$0

Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source? Yes No Uncertain
 Are cost estimates based on industry standards? Yes No Uncertain
 Will city employees be performing any portion of the work? Yes No Uncertain
 Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____
 Estimated Completion Date: _____

Department Head Signature _____
 Prepared By/Phone Ext _____

ATTACHEMENT 2(2011 BUDGET)
FEDERAL AND/OR STATE AIDED PROJECTS
(2010 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)

2011 Major Street detail 2010 carryover 3-18-10 (2)

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
LOCAL JURISDICTION PROJECTS:								
STP-A	3.0	S. 2nd St. W. National Ave. to W. St. Paul Ave. QUIETZONE Preliminary Engineering QUIETZONE Construction	\$100,000 \$200,000			\$100,000 \$200,000	COMPLEX	RR Coordination
STP-A	2.50	S. 35th Street W. Burnham Ave. to W. Greenfield Ave. Preliminary Engineering	\$186,600	\$149,300		\$37,300	NA	
STP-A	2.70	W. Lloyd St. N. 47th St. to N. 60th St. Preliminary Engineering	\$350,000	\$280,000		\$70,000	NA	
STP-A	3.30	W. Morgan Ave. S. 68th St. to S. 84th St. Preliminary Engineering	\$549,000	\$439,200		\$109,800	NA	
STP-A	3.40	N. 91st. St. (N. Swan Rd) W. Hampton Ave. to W. Flagg Preliminary Engineering	\$547,000	\$437,600		\$109,400	NA	
STP-A	3.50	N. Port Washington Ave. N. DMLK to W. Fiebrantz Ave.. Preliminary Engineering	\$399,360	\$319,500		\$79,860	NA	
STP-A	3.00	W. Hampton Ave. N. Green Bay Ave to N. Teutonia Ave. Preliminary Engineering	\$320,400	\$256,300		\$64,100	NA	
SUBTOTAL (STP-A)			\$2,652,360	\$1,881,900	\$0	\$770,460		
LOCAL SYSTEM BRIDGE PROJECTS:								
STP-BR		N. 45th St. Bridge Over Menomonee River Construction	\$130,000	\$104,000		\$26,000	Complex	Landlocked address business
STP-BR		W. Granville Rd Little Menomonee River Bridge Construction	\$50,000	\$40,000		\$10,000	Low	Removal Only
STP-BR		E. Lincoln Ave. Bridge Over UPRR Construction	\$280,000	\$224,000		\$56,000	Complex	Deck Replace over RR
STP-BR		W. North Ave. Over Canadian Pacific Preliminary Engineering	\$100,000	\$80,000		\$20,000	Complex	Bridge Replace over RR
STP-BR		S. Howell Ave. Bridge Over UPRR Construction	\$150,000	\$120,000		\$30,000	LOW	
SUBTOTAL (STP-BR)			\$710,000	\$568,000	\$0	\$142,000		
COUNTY JURISDICTION PROJECTS:								
CO		N. 107th St. Brown Deer to North City Limits Preliminary Engineering	\$40,000			\$40,000		
CO		W. Mill Rd. N. Teutonia to N. 43rd Preliminary Engineering	\$50,000			\$50,000		
CO		W College Ave. Howell to Pennsylvania 2355-05-15 Real Estate Construction Lighting Conduit	\$30,000 \$220,000 \$50,000			\$30,000 \$220,000 \$50,000		

**ATTACHEMENT 2(2011 BUDGET)
FEDERAL AND/OR STATE AIDED PROJECTS
(2010 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)**

2011 Major Street detail 2010 carryover 3-18-10 (2)

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
CO		Estabrook Park Dr. Capitol Dr. to W. Hampton Construction	\$10,000			\$10,000		
CO		Lake Park Drive Over N Drainage Ravine Preliminary Engineering Construction	\$10,000 \$40,000			\$10,000 \$40,000		
CO		W. Silver Spring Bridges Over Menomonee River Preliminary Engineering SUBTOTAL(CO)	\$10,000 \$460,000	\$0	\$0	\$10,000 \$460,000		
STATE JURISDICTION PROJECTS:								
STP-CH	2.50	W. FDL Ave. N. 60th St. to W. Hampton Ave Preliminary Engineering	\$285,500	\$214,120		\$71,380	NA	
SUBTOTAL(STP-CH)			\$285,500	\$214,120	\$0	\$71,380		
STATE		Intersection of STH 145 and Fon du Lac Avenue Construction	\$465,000	\$460,000		\$5,000		
STATE	4.6	W. Brown Deer Rd(STH 100) N. 91st St to N. 124th St. Construction	\$2,325,000	\$2,300,000		\$25,000		
STATE		W. Hampton Bridge Over USH 45 Preliminary Engineering Construction Lighting Conduit	\$15,000 \$25,000 \$43,000			\$15,000 \$25,000 \$43,000		
STATE		Mayfair Rd(STH 100) Burleigh to Silver Spring Preliminary Engineering SUBTOTAL(STATE)	\$30,000 \$2,903,000	\$2,760,000	\$0	\$30,000 \$143,000		
OTHER PROJECTS								
CMAQ		Capitol, Atkinson, Teutonia 2984-13-74 Construction	\$420,000	\$420,000			LOW	
CMAQ		W. FonduLac 1360-02-78 Streetscaping Construction	\$460,000	\$460,000			Complex	DCD DEVELOPMENT
MSIP-D	4.20	E. Lincoln Ave. s. Lincoln Dr. to E. Bay St. Construction Lighting Conduit	\$780,000 \$50,000	\$355,000		\$425,000 \$50,000		
CMAQ		Milwaukee CBD Phase V &VI Engineering	\$600,000	\$480,000		\$120,000	LOW	
		Milwaukee CBD Streetscape Phase VII Preliminary Engineering	\$250,000	\$200,000		\$50,000		
HSIP		S. 27th St. RIDP Construction Traffic and St. Lighting	\$232,200 \$132,300	\$208,980 \$119,070		\$23,220 \$13,230	LOW	
HSIP		Forest Home , Oklahoma 27th St. Phase I(2984-02-99) Construction	\$320,000	\$256,000		\$64,000		

**ATTACHEMENT 2(2011 BUDGET)
FEDERAL AND/OR STATE AIDED PROJECTS
(2010 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)**

2011 Major Street detail 2010 carryover 3-18-10 (2)

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
CMAQ		North Ave. Bronzeville2135-04-70 Streetscape Construction	\$435,000	\$435,000			LOW	
TE		W. National Avenue 2410-12-70 Streetscape Construction	\$600,000	\$600,000			LOW	
CMAQ		S. Kimmickinnic Bike Trail Maple to W. Washington 2984-24-70 Construction Struct 2 Grnflld/KK	\$1,350,000	\$1,080,000		\$270,000	LOW	
TE		Hank Aaron State Trail 2984-43-70 Airline Yards Construction	\$624,700	\$624,700			LOW	
TE		Hank Aaron State Trail 2984-43-00 Airline Yards Preliminary Engineering	\$93,700	\$93,700			LOW	
HPP		Silver Spring Ave. 2090-12-02/70/90 Enhancements	\$240,000	\$240,000			LOW	
HPP		Bike/ Pedestrian Connection2984-23-Hank Aaron State Trail	\$2,700,000	\$2,700,000			LOW	
CMAQ		Bicycle Lane Installations2984-41-70 Constructon	\$470,000	\$376,000		\$94,000	LOW	
		KRM local match	\$20,000			\$20,000		
		Connector Study	\$3,000,000	\$2,700,000		\$300,000		
CMAQ		Bike Lane Installations Construction(1693-44-70)	\$330,000	\$264,000		\$66,000	LOW	
HSIP		Burleigh, Roosevelt and 60th St. Construction	\$200,000	\$180,000		\$20,000		
		Traffic Control	\$70,000	\$63,000		\$7,000		
		Carferry Drive On Ramp to 1794 1300-12-70 construction	\$676,000	\$250,000		\$426,000	Low	
HSIP		Lapham&13th St. Preliminary Engineering	\$25,000	\$20,000		\$5,000		
		Traffic Control	\$65,000	\$52,000		\$13,000		
HSIP		Wright & 35th St. Preliminary Engineering	\$25,000	\$20,000		\$5,000		
		Traffic Control	\$65,000	\$52,000		\$13,000		
HSIP		Pedestrian Countdown Ph 1&3 Indications Preliminary Engineering	\$225,000	\$202,500		\$22,500		
		Construction	\$2,250,000	\$2,025,000		\$225,000		
SRTS		Hopkins Elementary(1009-00-77) School Improvements Construction	\$47,000	\$47,000				
TE		Open Metal Grate Bike Lanes 2984-19-01/71 Preliminary Engineering	\$100,000	\$80,000		\$20,000		
		Construction	\$600,000	\$480,000		\$120,000		
TE		N. 27th St. Streetscape2265-17-00						

**ATTACHEMENT 2(2011 BUDGET)
 FEDERAL AND/OR STATE AIDED PROJECTS
 (2010 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)**

2011 Major Street detail 2010 carryover 3-18-10 (2)

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
HSIP		DCD funding Local Share						
		Preliminary Engineering	\$128,700	\$128,700				
HSIP		Construction	\$858,000	\$858,000				
		11 Intersections City Wide						
HSIP		Preliminary Engineering	\$14,000	\$12,600		\$1,400		
		Construction	\$127,000	\$114,300		\$12,700		
HSIP		Cesar Chavez Greenfield to National Signals	\$270,000	\$243,000		\$27,000		
HSIP		VEH and PED detection 9 Local Sreet Int						
HSIP		Preliminary Engineering	\$7,000	\$6,300		\$700		
		Signals	\$70,000	\$63,000		\$7,000		
HSIP		Burnham and 35th St. Intersection						
HSIP		Preliminary Engineering	\$4,000	\$3,600		\$400		
		Signals	\$25,000	\$22,500		\$2,500		
HSIP		2 CH Intersections Congress and 76th St., Wells and 35th St.						
HSIP		Preliminary Engineering	\$2,000	\$1,800		\$200		
		Signals	\$21,000	\$18,900		\$2,100		
HSIP		Capitol and 7th St., 76th and Grantosa						
HSIP		Preliminary Engineering	\$1,500	\$1,350		\$150		
		Signals	\$17,000	\$15,300		\$1,700		
HSIP		Kilbourn and 6th St.						
HSIP		Preliminary Engineering	\$25,000	\$22,500		\$2,500		
HSIP		Howell and Layton						
HSIP		Preliminary Engineering	\$30,000	\$27,000		\$3,000		
HSIP		North st 7th and 8th						
HSIP		Preliminary Engineering	\$14,000	\$12,600		\$1,400		
CMAQ		Congestion Mitigation & Air Quality Various Locations						
		Preliminary Engineering	\$500,000	\$400,000		\$100,000		
		City Comprehensive System Arterial Streets	\$150,000			\$150,000		
LRIP		Local Roads Improvement Program Various Locations						
		Construction	\$2,136,000	\$1,068,000		\$1,068,000		
		Transfer to Street Lighting	\$402,300			\$402,300		
		Various Engineering and Construction Shortfall Resolutions	\$4,000,000	\$3,200,000		\$800,000		
		Administration	\$600,000			\$600,000		
		SUBTOTAL	\$26,858,400	\$21,303,400	\$0	\$5,555,000		
YR TOTAL			\$33,869,260	\$26,727,420	\$0	\$7,141,840		

**ATTACHEMENT 2(2011 BUDGET)
 FEDERAL AND/OR STATE AIDED PROJECTS
 (2010 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)**

2011 Major Street detail 2010 carryover 3-18-10 (2)

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
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2010

	Assessable	Non-Assesable
Funds Available February 28,2010 In Parent Accounts (Unencumbered Carry Over)	\$1,277,101	\$2,539,464
Appropriation for 2010		
Cash	\$0	\$0
Borrowing	\$194,000	\$4,730,000
Subaccount Close-Outs (Estimated)	\$0	\$0
	\$1,471,101	\$7,269,464
Total 2010 Needs	\$300,000	\$7,141,840
Assumed 2010 Carryover	\$1,171,101	\$127,624

**MAJOR STREET IMPROVEMENTS
2011 BUDGET SUMMARY**

3/18/2010

TYPE	PQI	PROJECT	PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	
		LOCAL JURISDICTION PROJECTS:						
STP-A	2.5	S. 35th St. W. Burnham Ave. to W. Greenfield Ave. Construction Traffic Control Street Lighting	\$1,072,000 \$120,000 \$50,000	\$857,600 \$108,000	\$50,000	\$164,400 \$12,000 \$50,000	LOW	
STP-A	4	S. 68th St. W. Morgan Ave. to W. Cleveland Ave. Preliminary Engineering	\$450,000	\$360,000		\$90,000	NA	
STP-A	3.4	N. 91st St. (N. Swan Blvd) W. Hampton Ave. to W. Flagg Construction Traffic Control Lighting Conduit	\$2,900,000 \$130,000 \$60,000	\$2,610,000 \$104,000		\$290,000 \$26,000 \$60,000	LOW	
STP-A	3.2	Fond du Lac N. 91st St. to N. 107th St. Preliminary Engineering	\$600,000	\$480,000		\$120,000	NA	
STP-A	2.7	N. Hopkins St. W. Congress St. to W. Villard Ave. Preliminary Engineering	\$250,000	\$200,000		\$50,000	NA	
STP-A	3.8	W Howard Ave S 48th St to S 55th St Preliminary Engineering	\$110,000	\$88,000		\$22,000	NA	
STP-A	3.7	W. Locust St. N. Dr. MLK Jr Dr to N. 15th Lane Preliminary Engineering	\$183,000	\$146,400		\$36,600	NA	
STP-A	2.7	W. Lloyd Street N. 47th St. to N. 60th St. Construction Traffic Control Lighting Conduit	\$1,555,000 \$100,000 \$100,000	\$1,245,000 \$90,000	\$100,000	\$210,000 \$10,000 \$100,000	LOW	
STP-A	3.5	N. Port Washington Ave. N. Dr MLK Jr. Dr to W. Fiebrantz Ave Construction Traffic Control Street Lighting	\$1,927,100 \$90,000 \$30,000	\$1,542,000 \$81,000	\$50,000	\$335,100 \$9,000 \$30,000	LOW	Moveable Bridge Replac
		SUBTOTAL(STP-A)		\$9,727,100	\$7,912,000	\$200,000	\$1,615,100	
		LOCAL SYSTEM BRIDGE PROJECT:						
STP-BR		Juneau Ave. Bridge over Milwaukee River Construction	\$600,000	\$468,000		\$132,000	Complex	
STP-BR		S. Whitnall Ave. Bridge over UPRR Construction	\$130,000	\$104,000		\$26,000	LOW	
STP-BR		Local System Bridge Program Various Locations Preliminary Engineering	\$150,000	\$120,000		\$30,000		
		SUBTOTAL (STP-BR)		\$880,000	\$692,000	\$0	\$188,000	

**MAJOR STREET IMPROVEMENTS
2011 BUDGET SUMMARY**

3/18/2010

TYPE	PQI	PROJECT	PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	
COUNTY JURISDICTIONAL PROJECTS:								
CO		N. 107th St. Brown Deer Rd to W. County Line Rd. Construction Street Lighting	\$80,000 \$10,000		\$8,000	\$72,000 \$10,000		
CO		W. College Ave. S. 13th St. to S. 20th St. Preliminary Engineering	\$40,000			\$40,000		
CO		W. Mill Rd Teutonia to N. 43rd Construction	\$260,000		\$25,000	\$235,000		
CO		W. Mill Rd N. 84th St. to N. 93rd Preliminary Engineering	\$30,000			\$30,000		
CO		W. Oklahoma Ave. S. 76th St. to S. 99th Street Preliminary Engineering	\$30,000			\$30,000		
		SUBTOTAL(CO)	\$450,000	\$0	\$33,000	\$417,000		
STATE JURISDICTION PROJECTS:								
STP-CH	2.8	N. 20th St. W. Hopkins to W. Capitol Dr. Construction Traffic Control Lighting conduit	\$2,025,000 \$180,000 \$30,000	\$1,760,000 \$180,000	\$65,000	\$200,000 \$30,000	LOW	DCD DEVELOPMENT
STP-CH	3.1	W. Capitol Drive West City Limits to N. 60th St. Construction Traffic Control Water Services Lighting Conduit	\$8,095,000 \$300,000 \$75,000 \$100,000	\$7,505,000 \$300,000	\$175,000	\$415,000 \$75,000 \$100,000	COMPLEX	
		SUBTOTAL(STP-CH)	\$10,805,000	\$9,745,000	\$240,000	\$820,000		
STATE	2.8	Appleton Ave. (Hwy 41) W. Capitol Dr. to USH 45 Construction	\$10,600,000	\$9,925,000		\$675,000		
STATE		Mayfair Rd(STH 100) Burleigh to Silver Spring Construction	\$6,872,000	\$6,761,500		\$110,500		
		SUBTOTAL(STATE)	\$17,472,000	\$16,686,500	\$0	\$785,500		
OTHER PROJECTS:								
CMAQ		Bayview to Downtown 1302-06-01 Bike Route Construction	\$2,966,230	\$2,373,230		\$593,000	Complex	Variable route on streets
CMAQ		Milwaukee CBD Phase V & VI Construction St Lighting And Traffic	\$1,750,000 \$250,000	\$1,400,000 \$200,000		\$350,000 \$50,000		
CMAQ		Summerfest Advanced Parking Guidance Phase 2 1693-37-70 Construction	\$969,000	\$775,200		\$193,800	LOW	
TE		Hank Aaron State Trail 2984-23-70 44th Street Segment Construction	\$640,000	\$512,000		\$128,000	LOW	

**MAJOR STREET IMPROVEMENTS
2011 BUDGET SUMMARY**

3/18/2010

TYPE	PQI	PROJECT	PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	
CMAQ		S. Kinnickinnic Bike Trail 6th St to Lincoln Construction	\$325,000	\$260,000		\$65,000		
DEV		Pier Wisconsin/Summerfest Harbor Dr. upgrade Construction	\$1,100,000	\$500,000	\$300,000	\$300,000	Complex	Policy issues
HSIP		Semi Activation 10 CH Intersections Preliminary Engineering	\$15,000	\$12,000		\$3,000		
		Signals	\$187,000	\$149,600		\$37,400		
CMAQ		Various Preliminary Engineering	\$100,000	\$90,000		\$10,000		
		Signals	\$500,000	\$450,000		\$50,000		
SRTS		Various Preliminary Engineering	\$100,000	\$80,000		\$20,000		
		Signals	\$500,000	\$400,000		\$100,000		
HSIP		Various Preliminary Engineering	\$100,000	\$100,000				
		Signals	\$500,000	\$500,000				
HSIP		Kilbourn and 6th Construction	\$85,000	\$76,500		\$8,500		
		Signals	\$40,000	\$36,000		\$4,000		
HSIP		Howell and Layton Construction	\$212,000	\$190,800		\$21,200		
		Signals	\$63,000	\$50,400		\$12,600		
HSIP		North at 7th and 8th Construction	\$77,000	\$69,300		\$7,700		
		Signals	\$47,000	\$42,300		\$4,700		
HSIP		117 Loc St. Intersection Countdown Grant #4 Preliminary Engineering	\$85,000	\$76,500		\$8,500		
		Signals	\$825,000	\$742,500		\$82,500		
HSIP		119 loc. St Intersections Countdown Grant #5 Preliminary Engineering	\$85,000	\$76,500		\$8,500		
		Signals	\$875,000	\$787,500		\$87,500		
HSIP		129 CH. Intersections Countdown Grant #6 Preliminary Engineering	\$85,000	\$76,500		\$8,500		
		Signals	\$875,000	\$787,500		\$87,500		
HSIP		28 CH Int 12" signal Install Preliminary Engineering	\$15,000	\$13,500		\$1,500		
		Signals	\$129,000	\$112,500		\$16,500		
CMAQ		37 WC St. Int. 12" signal Install Preliminary Engineering	\$20,000	\$18,000		\$2,000		
		Signals	\$210,000	\$189,000		\$21,000		
CMAQ		Countdown Timers 41 Transit Transfer Preliminary Engineering	\$26,000	\$20,800		\$5,200		
		Signals	\$260,000	\$208,000		\$52,000		
CMAQ		Countdown Timers #2 Transit Transfer Preliminary Engineering	\$29,000	\$23,200		\$5,800		
		Signals	\$305,000	\$244,000		\$61,000		

**MAJOR STREET IMPROVEMENTS
2011 BUDGET SUMMARY**

3/18/2010

TYPE	PQI	PROJECT	PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK
CMAQ		103 Inter Capitol/Fondlac Retiming Preliminary Engineering	\$185,000	\$148,000		\$37,000	
CMAQ		34 Intersect - Bayview Retiming Preliminary Engineering	\$63,000	\$50,400		\$12,600	
STP-S		Semi Activation 32 Loc St Intersect Preliminary Engineering Signals	\$45,000 \$465,000	\$36,000 \$372,000		\$9,000 \$93,000	
SMIP		Various Safety Projects Various Locations Preliminary Engineering Construction	\$100,000 \$500,000	\$90,000 \$450,000		\$10,000 \$50,000	
		Various Statewide Multi-Modal Improvement Program Projects Various Locations Preliminary Engineering Construction	\$100,000 \$500,000	\$80,000 \$400,000		\$20,000 \$100,000	
		Misc Transportation Studies	\$100,000			\$100,000	
		Various Engineering and Construction Shortfall Resolutions	\$4,000,000	\$3,200,000		\$800,000	
		Pavement Management System Arterial Streets	\$150,000			\$150,000	
		Administration	\$700,000			\$700,000	
		SUBTOTAL	\$21,258,230	\$16,469,730	\$300,000	\$4,488,500	
		YEARLY TOTAL	\$60,592,330	\$51,505,230	\$773,000	\$8,314,100	

**MAJOR STREET IMPROVEMENTS
2012 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
	LOCAL JURISDICTION PROJECTS:						
STP-A	N. 6th St. W. McKinley Ave to W. Walnut St. Preliminary Engineering	\$240,000	\$192,000		\$48,000	NA	
STP-A	S. 6th St. W. College Ave. to W. Grange Ave. Preliminary Engineering	\$360,000	\$288,000		\$72,000	NA	
STP_A	S. 60th St. W. Waterford Ave. to W. Forest Home Ave. Preliminary Engineering	\$106,000	\$84,800		\$21,200	NA	
STP-A	N. 91st St. W. Mill Rd to W. Good Hope Rd Preliminary Engineering	\$150,000	\$120,000		\$30,000	NA	
STP-A	N. 91st St. (N> Swan Rd) W. Brown Deer Rd to W. County Line Rd. Preliminary Engineering	\$200,000	\$160,000		\$40,000	NA	
STP-A	N. 92nd St. W. Capitol Dr. to W. Hampton Ave. Preliminary Engineering	\$450,000	\$360,000		\$90,000	NA	
STP-A	W FDL Ave. N. 91st St. to N. 107th St. Preliminary Engineering	\$600,000	\$480,000		\$120,000	NA	
STP-A	W. Hampton Ave. Green Bay Ave. to N Teutonia Construction Traffic Control	\$4,340,000 \$120,000	\$3,470,000 \$96,000	\$100,000	\$770,000 \$24,000	LOW	
STP-A	N. Humboldt Blvd from E. North Ave. to E. Locust St Preliminary Engineering	\$380,000	\$304,000		\$76,000	NA	
STP_A	W. Morgan Ave. S. 68th St. to S. 84th St. Construction Traffic Control Lighting Conduit	\$2,508,480 \$135,000	\$2,006,780 \$108,000	\$150,000	\$351,700 \$27,000	LOW	
STP-A	W. Morgan Ave. W. Forest Home Ave. to S. 68th Preliminary Engineering	\$475,000	\$380,000		\$95,000	NA	
STP-A	W. Oklahoma Ave. S. 49th St. to S. 60th St. Preliminary Engineering	\$380,000	\$304,000		\$76,000	NA	
STP-A	N. Swan Rd from W. Brown Deer Rd to W. County Line Rd Preliminary Engineering	\$250,000	\$200,000		\$50,000	NA	
STP-A	W. Vliet St. to N. 12th St. to N. 27th St. Preliminary Engineering	\$280,000	\$224,000		\$56,000	NA	

**MAJOR STREET IMPROVEMENTS
2012 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
STP-A	W. Wisconsin Ave. N. 21st St. to 35th St. Preliminary Engineering	\$382,000	\$305,000		\$77,000	NA	
STP-A	N. Teutonia Ave. W. Burleigh Ave to W. Capitol Dr. Preliminary Engineering	\$340,000	\$272,000		\$68,000	NA	
STP-A	N. Teutonia Ave. W. Center to W. Burleigh St. Preliminary Engineering	\$145,000	\$116,000		\$29,000	NA	
	SUBTOTAL (STP-A)	\$11,841,480	\$9,470,580	\$250,000	\$2,120,900		
LOCAL SYSTEM BRIDGE PROJECTS:							
STP-BR	North Ave. Bridge Over CPRR Construction	\$600,000	\$480,000		\$120,000	Complex	Bridge Replacement
STP-BR	W. Wisconsin Ave. Lift Bridge Over Milwaukee River Construction	\$600,000	\$450,000		\$150,000	COMPLEX	Moveable Bridge
STP-BR	S. 6th St. Over Kinnickinnic River Construction	\$90,000	\$72,000		\$18,000	COMPLEX	Bridge Replacement
	SUBTOTAL (STP-BR)	\$1,290,000	\$1,002,000	\$0	\$288,000		
COUNTY JURISDICTIONAL PROJECTS:							
CO	N. Teutonia Ave. W. Silver Spring to W. Mill Rd Construction Lighting Conduit	\$100,000 \$20,000			\$100,000 \$20,000		
CO	College Ave. S. 13th St to S. 20th St Construction	\$100,000			\$100,000		
CO	College Ave. S. 20th Street to S. 27th Street Preliminary Engineering	\$14,000			\$14,000		
CO	W. Mill Rd East City Limits to N. 43rd Construction Lighting Conduit	\$260,000 \$20,000		\$25,000	\$235,000 \$20,000		
CO	W. Oklahoma Ave. S. 99th Street to STH 100 Preliminary Engineering	\$20,000			\$20,000		
	SUBTOTAL (CO)	\$534,000	\$0	\$25,000	\$509,000		
STATE JURISDICTION PROJECTS:							
STP_CH	N. 27th St. W. St. Paul Ave. to W. Highland Blvd. Construction Traffic Control Lighting Conduit	\$2,500,000 \$340,000 \$120,000	\$2,125,000 \$340,000	\$50,000	\$325,000 \$120,000	Complex	DCD Developments

**MAJOR STREET IMPROVEMENTS
2012 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
STP-CH	S. 27th Street W. Howard Ave. to W. Oklahoma Ave. Construction Traffic Control Lighting Conduit	\$6,000,000 \$100,000 \$60,000	\$4,600,000 \$100,000	\$300,000	\$1,100,000 \$60,000	COMPLEX	Access Issues
STP-CH	W. Capitol Dr. N. 84th St. to WCL /Mayfair Rd Construction Traffic Control Water Services Lighting Conduit SUBTOTAL (STP-CH)	\$8,095,000 \$300,000 \$75,000 \$100,000 \$17,690,000	\$7,505,000 \$300,000	\$175,000	\$415,000 \$75,000 \$100,000 \$2,195,000	Complex	Coord w/Bridge, Wauwatosa
STP-CH BR	W. Capitol Dr. Bridge Over Menomonee River Construction Traffic Control Lighting Conduit SUBTOTAL(STP-CH BR)	\$400,000 \$75,000 \$50,000 \$525,000	\$400,000 \$75,000 \$50,000 \$525,000	\$0	\$0	Complex	Bridge Replacement
STATE	N. 76th St.(Hwy 181)2140-13-00 W. Grantosa to W. Florist Construction Lighting Conduit SUBTOTAL (STATE)	\$3,600,000 \$6,000 \$4,656,000	\$3,400,000	\$0	\$200,000 \$6,000 \$206,000		
OTHER PROJECTS:							
HSIP	S. 27th St. Intersection KK to Howard Construction Lighting Conduit	\$193,730 \$30,000	\$174,360 \$27,000		\$19,370 \$3,000		
LRIP	Local Roads Improvement Program Various Locations Construction	\$2,135,000	\$1,067,000	\$84,000	\$984,000		
CMAQ	Various Congestion Mitigation Air Quality Projects Various Locations Preliminary Engineering Various Engineering and Construction shortfall Resolut MiscellaneousTransp Studies Pavement Management System Arterial Streets Administration SUBTOTAL (OTHER)	\$500,000 \$2,500,000 \$100,000 \$150,000 \$600,360 \$6,209,090	\$400,000 \$2,000,000	\$84,000	\$100,000 \$500,000 \$100,000 \$150,000 \$600,360 \$2,456,730		
YEARLY TOTAL		\$40,930,570	\$32,558,940	\$884,000	\$7,487,630		

**MAJOR STREET IMPROVEMENTS
2013 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
LOCAL JURISDICTIONAL PROJECTS:							
STP-A	N. 27th St. W. Hopkins St. W. Capitol Dr. Preliminary Engineering	\$200,000	\$160,000		\$40,000	NA	
STP-A	N. 35th St. W. Florist Ave. to W. Douglas Ave. Preliminary Engineering	\$110,000	\$88,000		\$22,000	NA	
STP-A	S. 68th W. Morgan Ave. to W. Cleveland Ave. Construction Traffic Control Lighting Conduit	\$2,950,000 \$75,000	\$2,360,000 \$60,000	\$90,000	\$500,000 \$15,000	LOW	
STP-A	N. 68th St. W. Capitol Dr. to W. Hampton Ave. Preliminary Engineering	\$395,000	\$316,000		\$79,000	NA	
STP-A	N. 124th St. Pt. North of W. Brown Deer Rd to W. Fairy Chasm Rd (extd) Preliminary Engineering	\$75,000	\$60,000		\$15,000	NA	
STP-A	W. Center St. N. 12th St. to N. 27th St. Preliminary Engineering	\$450,000	\$360,000		\$90,000	NA	
STP-A	W. Center St. N. 27th St. to N. 35th St. Preliminary Engineering	\$230,000	\$184,000		\$46,000	NA	
STP-A	W. FDL Ave. N.91st St. to N. 107th St. Construction Traffic Control Lighting Conduit	\$1,573,000 \$20,000	\$1,258,400 \$16,000	\$78,600	\$236,000 \$4,000	LOW	
STP-A	W. Forest Home Ave. S. 16th St. to W. Lincoln Ave. Preliminary Engineering	\$360,000	\$288,000		\$72,000	LOW	
STP-A	W. Highland Ave. N. 12th St to N. 27th St. Preliminary Engineering	\$665,000	\$532,000		\$133,000	NA	
STP-A	N. Hopkins St. W. Congress St. to W. Villard Ave. Construction Traffic Control Lighting Conduit	\$2,030,700 \$20,000	\$1,624,600 \$16,000	\$101,500	\$304,600 \$4,000	LOW	
STP-A	W. Howard Ave. S. 48th St. to S. 55th St. Construction Traffic Control Lighting Conduit	\$954,000 \$75,000	\$763,200 \$60,000	\$90,800	\$100,000 \$15,000	LOW	
STP-A	N. Humboldt Blvd E. Auer to E. Keefe Avc Preliminary Engineering	\$210,000	\$168,000		\$42,000	NA	
STP-A	N. Jefferson Ave. E. Clybourn St. to E. Kilbourn Ave. Preliminary Engineering	\$200,000	\$160,000		\$40,000	NA	

**MAJOR STREET IMPROVEMENTS
2013 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
STP-A	W. Locust St. N. Dr. MLK Jr. Dr to N. 15th St.						
	Construction	\$1,150,000	\$908,000	\$70,000	\$172,000	LOW	
	Traffic Control	\$60,000	\$48,000		\$12,000		
Lighting Conduit							
STP-A	W. Oklahoma S. 49th St to S. 60th ST					LOW	
	Construction	\$2,700,000	\$2,160,000		\$540,000		
	Traffic Control	\$130,000	\$117,000		\$13,000		
	Lighting Conduit						
STP-A	W. State St. N. 27th St. To N. 35th St.					NA	
	Preliminary Engineering	\$230,000	\$184,000		\$46,000		
STP-A	N. Teutonia Ave. W. Capitol Dr. to W. Ruby Ave.					LOW	
	Construction	\$1,700,000	\$1,360,000	\$100,000	\$240,000		
	Traffic Control	\$50,000	\$40,000		\$10,000		
	Lighting Conduit	\$50,000			\$50,000		
	SUBTOTAL (STP-A)	\$16,662,700	\$13,291,200	\$530,900	\$2,840,600		
LOCAL SYSTEM BRIDGE PROJECTS:							
STP-BR	W. North Ave. Bridge over UPRR						
	Construction	\$300,000	\$240,000		\$60,000		
STP-BR	Local System Bridge Program Various Locations						
	Preliminary Engineering	\$150,000	\$120,000		\$30,000		
	SUBTOTAL (STP-BR)	\$450,000	\$360,000	\$0	\$90,000		
COUNTY JURISDICTIONAL PROJECT:							
CO	W. Mill Rd N. 84th St. to N 93rd						
	Construction	\$80,000			\$80,000		
CO	Oklahoma S. 76th St. to S. 99th St.						
	Construction	\$150,000			\$150,000		
	SUBTOTAL (CO)	\$230,000	\$0	\$0	\$230,000		
STATE JURISDICTION PROJECTS:							
STP-CH	W. Broadway St. (STH32)					NA	
	East St. Paul Ave. to East State St.						
	Preliminary Engineering	\$170,000	\$136,000		\$34,000		
STP-CH	S. Chase Ave. W. Oklahoma Ave. To W. Lincoln Ave.					NA	
	Preliminary Engineering	\$690,000	\$517,500		\$172,500		
STP-CH	S. Howell Ave.					LOW	
	E. Layton Ave. to Howard Ave.						
	Construction	\$3,600,000	\$3,130,000	\$200,000	\$270,000		
	Traffic Control	\$75,000	\$75,000				
	Lighting Conduit	\$40,000			\$40,000		
	SUBTOTAL (STP-CH)	\$4,575,000	\$3,858,500	\$200,000	\$516,500		

**MAJOR STREET IMPROVEMENTS
2013 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
	OTHER PROJECTS:						
STP-S	Various Safety Projects						
	Various Locations						
	Preliminary Engineering	\$100,000	\$90,000		\$10,000		
	Construction	\$500,000	\$450,000		\$50,000		
SMIP	Various Statewide Multi-Modal Improvements Program Projects						
	Various Locations						
	Preliminary Engineering	\$100,000	\$90,000		\$10,000		
	Construction	\$500,000	\$400,000		\$100,000		
	Pavement Management System	\$150,000			\$150,000		
	Miscellaneous Transportation Studies	\$100,000			\$100,000		
	Various Engineering and Construction Shortfall Resolutions	\$2,500,000	\$2,000,000		\$500,000		
Administration	\$600,000			\$600,000			
	SUBTOTAL	\$4,550,000	\$3,030,000	\$0	\$1,520,000		
	YEARLY TOTAL	\$26,467,700	\$20,539,700	\$730,900	\$5,197,100		

**MAJOR STREET IMPROVEMENTS
2014 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
LOCAL JURISDICTIONAL PROJECTS:							
STP-A	N. 6th St. W. Mckinley Ave. to W. Walnut Construction Traffic Control Lighting Conduit	\$1,700,000 \$100,000	\$1,360,000 \$80,000	\$140,000	\$200,000 \$20,000	LOW	
STP-A	N. 60th St. W. Vliet St. to W. Center St. Construction Traffic Control Lighting Conduit	\$1,180,335 \$20,000	\$944,270 \$16,000	\$59,000	\$177,065 \$4,000	LOW	
STP-A	N. 91st (N. Swan Rd) W. Brown Deer Rd to W. County Line Rd. Construction Traffic Control Lighting Conduit	\$2,000,000 \$25,000	\$1,600,000 \$20,000	\$100,000	\$300,000 \$5,000	COMPLEX	HIGH TRAFFIC VOLUME NEAR FREEWAY
STP_A	N. 91st (N. Swan RD) W. Mill Road to W. Good Hope Rd. Construction Traffic Control Lighting Conduit	\$995,000 \$60,000	\$796,000 \$48,000	\$80,000	\$119,000 \$12,000	LOW	
STP-A	N. 92nd St. W. Capitol Dr. to W. Hampton Ave Construction Traffic Control Lighting Conduit	\$3,000,140 \$20,000	\$2,400,120 \$16,000	\$150,000	\$450,020 \$4,000	LOW	
STP-A	W. Lisbon Ave. N. 92nd St. to N. 100th St Preliminary Engineering	\$430,000	\$344,000		\$86,000	NA	
STP-A	W. Morgan Forest Home Ave. to S. 68th St. Construction Traffic Control Lighting Conduit	\$75,000			\$75,000		
STP-A	W. Wisconsin Ave. N. 21st St. to N. 35th St. Construction Traffic Control Lighting Conduit	\$3,360,000 \$150,000	\$2,688,000 \$120,000	\$272,000	\$400,000 \$30,000	LOW	
	SUBTOTAL (STP-A)	\$13,115,475	\$10,432,390	\$801,000	\$1,882,085		
LOCAL SYSTEM BRIDGE PROJECTS:							
STP-BR	Local System Bridge Program Various Locations Preliminary Engineering	\$150,000	\$120,000		\$30,000		
	SUBTOTAL (STP-BR)	\$150,000	\$120,000	\$0	\$30,000		

**MAJOR STREET IMPROVEMENTS
2014 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
COUNTY JURISDICTIONAL PROJECT:							
CO	W. College Ave. S. 20th Street to S. 27th Street Construction	\$90,000			\$90,000		
CO	W. Oklahoma Ave. S. 99th St. to STH 100 Construction	\$200,000			\$200,000		
	SUBTOTAL (CO)	\$290,000	\$0	\$0	\$290,000		
STATE JURISDICTION PROJECTS:							
STP-CH	W. FDL Ave. N. 60th St. to W. Hampton Construction Traffic Control Lighting Conduit	\$1,904,000 \$80,000	\$1,523,200 \$64,000	\$95,200	\$285,600 \$16,000	LOW	
STP-CH	S. Howell Ave. E. Grange to E. Layton Ave. Construction Traffic Control Lighting Conduit	\$4,200,000 \$75,000 \$50,000	\$3,360,000 \$75,000	\$400,000	\$440,000 \$50,000	COMPLEX	AIRPORT DEVELOPMENT
TP-CH	W. State St.(USH18) N. 12th St. to Old World Third Preliminary Engineering	\$150,000	\$120,000		\$30,000	NA	
	SUBTOTAL (STP-CH)	\$6,459,000	\$5,142,200	\$495,200	\$821,600		
OTHER PROJECTS:							
LRIP	Local Roads Improvement Program Various Locations Construction	\$2,135,000	\$1,067,000	\$84,000	\$984,000		
CMAQ	Various Congestion Mitigation Air Quality Projects Various Locations Preliminary Engineering	\$500,000	\$400,000		\$100,000		
	Various Engineering and construction Shortfall Resolution	\$2,500,000	\$2,000,000		\$500,000		
	Pavement Management System Arterial Streets	\$150,000			\$150,000		
	Miscellaneous Transportation Studies	\$100,000			\$100,000		
	Administration	\$700,000			\$700,000		
	SUBTOTAL	\$6,085,000	\$3,467,000	\$84,000	\$2,534,000		
YEARLY TOTAL		\$26,099,475	\$19,161,590	\$1,380,200	\$5,557,685		

**MAJOR STREET IMPROVEMENTS
2015 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
LOCAL JURISDICTIONAL PROJECTS:							
STP-A	S. 6th St. W. Howard Ave. to W. Morgan Preliminary Engineering	\$250,000	\$200,000		\$50,000	NA	
STP-A	S. 6th St. W. College Ave. to W. Grange Construction Traffic Control Lighting Conduit	\$2,462,000 \$150,000	\$1,969,000 \$120,000	\$200,000	\$293,000 \$30,000	LOW	
STP-A	S. 6th St. W. Howard to W. Morgan Construction Traffic Control Lighting Conduit	\$1,280,000 \$100,000	\$1,024,000 \$80,000	\$106,000	\$150,000 \$20,000	LOW	
STP-A	S. 60th St. W. Waterford Ave. to W. Forest Home Ave. Construction Traffic Control Water Services Lighting Conduit	\$582,000 \$25,000 \$20,000	\$465,600 \$20,000	\$35,000	\$81,400 \$5,000 \$20,000	LOW	
STP-A	W. Forest Home Ave. S. 16th St. to W. Lincoln Ave. Construction Traffic Control Lighting Conduit	\$2,517,000 \$100,000	\$2,013,600 \$80,000	\$126,000	\$377,400 \$20,000	LOW	
STP-A	N. Humboldt Blvd E. North Ave. to E. Locust St Construction Traffic Control Lighting Conduit	\$2,056,000 \$50,000	\$1,644,800	\$150,000	\$261,200 \$50,000	LOW	
STP-A	W. Morgan Ave. W. Forest Home Ave. to S. 68th St. Construction Traffic Control Lighting Conduit	\$2,608,000 \$75,000	\$2,086,400	\$200,000	\$321,600 \$75,000	LOW	
STP-A	N. Teutonia Ave. W. Center St. to Burleigh St. Construction Traffic Construction Lighting Conduit	\$504,000 \$20,000	\$403,200 \$16,000	\$25,200	\$75,600 \$4,000	LOW	
STP-A	N. Swan Rd W. Brown Deer Rd to W. County Line Rd Construction Traffic Control Lighting Conduit	\$1,300,000 \$60,000	\$1,040,000	\$100,000	\$160,000 \$60,000	LOW	

**MAJOR STREET IMPROVEMENTS
2015 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
STP-A	W. Vliet Street N. 12th Street to N. 27th Street Construction Traffic Control Lighting Conduit	\$2,575,000 \$150,000	\$2,060,000 \$120,000	\$215,000	\$300,000 \$30,000	LOW	CHANGE IN TRAFFIC FLOW
STP-A	N. Teutonia Ave. Burleigh St. to Capitol Dr. Construction Traffic Construction Lighting Conduit	\$3,710,000 \$150,000	\$2,968,000 \$120,000	\$292,000	\$450,000 \$30,000	LOW	
STP-A	W. State St. N. 27th St. To N. 35th St. Construction Traffic Control Lighting Conduit	\$1,000,000 \$50,000	\$800,000 \$40,000	\$50,000	\$150,000 \$10,000	COMPLEX	
SUBTOTAL (STP-A)		\$21,794,000	\$17,270,600	\$1,499,200	\$3,024,200		
LOCAL SYSTEM BRIDGE PROJECTS:							
STP-BR	Local System Bridge Program Various Locations Preliminary Engineering	\$150,000	\$120,000		\$30,000		
SUBTOTAL (STP-BR)		\$150,000	\$120,000	\$0	\$30,000		
COUNTY JURISDICTIONAL PROJECT:							
SUBTOTAL (CO)		\$0	\$0	\$0	\$0		
STATE JURISDICTION PROJECTS:							
STP-CH	W. Broadway St. (STH32) East St. Paul to East State Construction Traffic Control Lighting Conduit	\$1,140,000 \$40,000	\$912,000 \$32,000	\$90,000	\$138,000 \$8,000	LOW	
SUBTOTAL (STP-CH)		\$1,180,000	\$944,000	\$90,000	\$146,000		
STATE JURISDICTIONAL PROJECTS							
STATE	W. Loomis Rd(STH 36) S. 51st to Fardale Ave. Construction	\$11,000,000	\$10,925,000		\$75,000		
SUBTOTAL (STATE)		\$11,000,000	\$10,925,000	\$0	\$75,000		
OTHER PROJECTS:							
STP-S	Various Safety Projects Various Locations Preliminary Engineering Construction	\$100,000 \$500,000	\$90,000 \$450,000		\$10,000 \$50,000		

**MAJOR STREET IMPROVEMENTS
2015 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON- ASSESSABLE	RISK	JUSTIFICATION
SMIP	Various Statewide Multi-Modal Improvements Program Projects Various Locations						
	Preliminary Engineering	\$100,000	\$90,000		\$10,000		
	Construction	\$500,000	\$400,000		\$100,000		
	Pavement Management System	\$150,000			\$150,000		
	Miscellaneous Transportaton Studies	\$100,000			\$100,000		
	Various Engineering and Construction Shortfall Resolutions	\$4,000,000	\$3,200,000		\$800,000		
	Administration	\$700,000			\$700,000		
	SUBTOTAL	\$5,550,000	\$3,690,000	\$0	\$1,860,000		
YEARLY TOTAL	\$28,674,000	\$22,024,600	\$1,589,200	\$5,060,200			

**MAJOR STREET IMPROVEMENTS
2016 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
	LOCAL JURISDICTIONAL PROJECTS:						
STP-A	N. 27th St. W. Hopkins St. to W. Capitol Dr. Construction Traffic Control Lighting Conduit	\$1,007,000 \$100,000	\$805,600	\$75,000	\$126,400 \$100,000	LOW	
STP-A	N. 35th St. W. Florist Ave. to W. Douglas Ave. Construction Traffic Control	\$970,000	\$776,000	\$70,000	\$124,000	LOW	
STP-A	N. 68th St. W. Capitol Dr. to W Hampton Ave. Construction Traffic Control Lighting Conduit	\$2,135,000	\$1,708,000	\$150,000	\$277,000	LOW	
STP-A	N. 124th St. Pt North of W. Brown Deer Rd to W. Fairy Chasm(extd) Construction Traffic Control Lighting Conduit	\$1,000,000 \$25,000	\$800,000 \$20,000	\$50,000	\$150,000 \$5,000	LOW	
STP-A	W. Center St N. 12th to N. 27th ST Construction Traffic Control Lighting Conduit	\$2,475,000 \$100,000	\$1,980,000	\$180,000	\$315,000 \$100,000	LOW	
STP-A	W. Center St. N. 27th St. to N. 35th St. Construction Traffic Control Lighting Conduit	\$1,200,000 \$100,000	\$960,000	\$80,000	\$160,000 \$100,000	LOW	
STP-A	N. Jefferson Ave. E. Clybourn St to E. Kilbourn Ave. Construction Traffic Control Lighting Conduit	\$2,000,000 \$100,000	\$1,600,000	\$150,000	\$250,000 \$100,000	Low	
STP-A	W. Highland Ave. N. 12th St. to N. 27th St Construction Traffic Control	\$3,690,000	\$2,952,000	\$250,000	\$488,000	LOW	
STP-A	N. Humboldt Blvd E. Auer Ave to E. Keefe Ave Construction Traffic Control Lighting Conduit	\$2,000,000 \$20,000	\$1,600,000	\$150,000	\$250,000 \$20,000	LOW	
STP-A	W. Lisbon Ave. N. 92nd St to N. 100th Construction Traffic Control Lighting Conduit	\$2,355,000 \$20,000	\$1,884,000	\$175,000	\$296,000 \$20,000	LOW	

**MAJOR STREET IMPROVEMENTS
2016 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
STP-A	W. State St. N. 27th St. To N. 35th St. Construction	\$1,000,000	\$800,000	\$50,000	\$150,000	COMPLEX	CHANGE IN TRAFFIC FLOW
	Traffic Control Lighting Conduit SUBTOTAL (STP-A)	\$50,000 \$16,135,000	\$40,000 \$12,636,000	\$1,085,000	\$10,000 \$2,414,000		
LOCAL SYSTEM BRIDGE PROJECTS:							
STP-BR	Local System Bridge Program Various Locations Preliminary Engineering	\$150,000	\$120,000		\$30,000		
	SUBTOTAL (STP-BR)	\$150,000	\$120,000	\$0	\$30,000		
COUNTY JURISDICTIONAL PROJECT:							
	SUBTOTAL (CO)	\$0	\$0	\$0	\$0		
STATE JURISDICTION PROJECTS:							
STP-CH	W. State Street (USH 18) N. 12th St. to Old World Third Construction	\$1,020,000	\$816,000	\$90,000	\$114,000	LOW	
	Traffic Control Lighting Conduit	\$30,000	\$24,000		\$6,000		
STP-CH	W. Broadway St. (STH32) East St. Paul to East State Construction	\$1,140,000	\$912,000	\$90,000	\$138,000	LOW	
	Traffic Control Lighting Conduit	\$40,000	\$32,000		\$8,000		
STP-CH	S. Chase Ave. W. Lincoln Ave. to E. Olkahoma Ave Construction	\$3,810,000	\$3,048,000	\$250,000	\$512,000	Low	
	Traffic Control Lighting Conduit SUBTOTAL (STP-CH)	\$75,000 \$2,230,000	\$1,784,000	\$180,000	\$266,000		
OTHER PROJECTS:							
CMAQ	Congestion Mitigation & Air Quality Various Locations Preliminary Engineering	\$500,000	\$400,000		\$100,000		
HSIP	Miscellaneous Safety Improvem Preliminary Engineering	\$30,000	\$27,000		\$3,000		
	Construction	\$200,000	\$180,000		\$20,000		
LRIP	Local Roads Improvement Program Various Locations Construction	\$2,135,000	\$1,068,000	\$50,000	\$1,017,000		

**MAJOR STREET IMPROVEMENTS
2016 BUDGET SUMMARY**

3/19/2010

TYPE	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
	Pavement Management System	\$150,000			\$150,000		
	Miscellaneous Transportaton Studies	\$100,000			\$100,000		
	Various Engineering and Construction Shortfall Resolutions	\$4,000,000	\$3,200,000		\$800,000		
	Administration	\$700,000			\$700,000		
	SUBTOTAL	\$4,950,000	\$3,200,000	\$0	\$1,750,000		
	YEARLY TOTAL	\$23,465,000	\$17,740,000	\$1,265,000	\$4,460,000		

Capital Improvement Request Form Part I

Project/Program Title: New street construction **Requesting Department:** DPW/ISD
Prepared By/Phone Ext: M. Dziewiontkoski -2460 4/4/09 **Department Head Signature:** _____
Account No: ST210110000

A) Department Priority _____ of _____ **Useful Life** 50 **Years** **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
One Year Yes No
On-Going Program Yes No
Multi-Year Yes No **Number of Years** _____

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries \$
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2008-2013 2009-2014 Yes, Modified New Request

F) Project/Program Justification
 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.

G) Additional Comments
 At this time, we don't have a specific request for any new streets, historically a request is made by the adjacent property owners prior to the budget approval.

Capital Improvement Request Part II

Requesting Department: Department of Public Works
 Project/Program Title: New Street construction

Account No: ST210110000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2011				\$100,000		\$100,000
2011 Budget Request	\$200,000			\$50,000		\$250,000
2012 Projection	\$200,000			\$150,000		\$350,000
2013 Projection	\$200,000			\$150,000		\$350,000
2014 Projection	\$200,000			\$150,000		\$350,000
2015 Projection	\$200,000			\$150,000		\$350,000
2016 Projection	\$200,000			\$150,000		\$350,000
Total Six Year Cost	\$1,200,000	\$0	\$0	\$800,000	\$0	\$2,000,000
Total Project Cost	\$1,200,000	\$0	\$0	\$900,000	\$0	\$2,100,000

Life to Date Expenditures (Project Only)

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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- Available Cost Estimate:
- Thorough Cost Estimate
 - Limited Information
 - Based on Cost of Similar Projects
 - Unsupported
- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: _____
 Estimated Completion Date: _____

Department Head Signature _____
 Prepared By/Phone Ext M. Dzwionikoski -2460

Capital Improvement Request Form Part I

Project/Program Title: Street resurface/reconstruction **Requesting Department:** Department of Public Works

Prepared By/Phone Ext: M. Dziejwontkoski -2460 **Department Head Signature:** _____

Account No: ST211110000

A) Department Priority _____ of _____ **Useful Life** 35 **Years** **Level of Need** Essential Important Desired

Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined

On-Going Program

B) Description

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation

Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility

ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other _____

C) Project/Program Duration

One Year Yes No

On-Going Program Yes No

Multi-Year Yes No **Number of Years** _____

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification

The street reconstruction and resurfacing program is a listing of those streets for which pavement or curb and gutter are in need of rehabilitation. The objective of this program is to maintain a street system at such a standard that streets are safe for motorists and pedestrians while holding the annual maintenance costs at a reasonable level. Given the City's investment in its street infrastructure (1.5 Billion estimated replacement costs) and its responsibility for providing a means for transporting vehicles, people and commodities safely and efficiently while minimizing adverse impacts upon the environment, the City's level of effort in its commitment to preserve the street system becomes increasingly important. The program will allow for a continuing annual reconstructions/resurface street improvement plan with an appropriation of funds sufficient to allow the rehabilitation of pavement facilities to assure retention of a reasonable good street system.

G) Additional Comments

Based on a recent audit by the Comptrollers office, up to 200 miles of local streets are beyond their intended life spans. One analysis was that more than 17 miles of streets should be replaced each year to maintain the infrastructure. There are approximately 1050 miles of local and collector streets that are funded by this program. Fourteen million in expenditure on rehabilitation should be sufficient to meet this goal. The recently approved Vehicle Registration Fee has replaced the assessment for the pavement items, the only assessment is for sidewalk and driveway replacement. The previous opposition to the replacement of the street by the property owners has virtually been eliminated. Included in this request is \$2.0 million for maintenance operations such as sealing, crackfilling and overlays of streets.

Capital Improvement Request Part II

Requesting Department: Department of Public Works **Account No.:** ST2111100000
Project/Program Title: Street resurface/reconstruction

Year	Special Assessment			Enterprise	Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue		
Remaining Balance for 2010			\$1,750,000		\$1,750,000
2011 Budget Request	\$15,300,000		\$100		\$15,300,100
2012 Projection	\$13,300,000		\$100		\$13,300,100
2013 Projection	\$15,300,000		\$100		\$15,300,100
2014 Projection	\$13,300,000		\$700,000		\$14,000,000
2015 Projection	\$15,300,000		\$700,000		\$16,000,000
2016 Projection	\$13,300,000		\$700,000		\$14,000,000
Total Six Year Cost	\$85,800,000	\$0	\$2,100,300	\$0	\$87,900,300
Total Project Cost	\$85,800,000	\$0	\$3,850,300	\$0	\$89,650,300

Life to Date Expenditures (Project Only) \$0 \$0 \$0 \$0 \$0

Available Cost Estimate:

Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
 Limited Information
 Based on Cost of Similar Projects
 Unsupported

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

Will city employees be performing any portion of the work? Yes No Uncertain

Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: ongoing engineering
 Estimated Completion Date: ongoing

Department Head Signature _____
 Prepared By/Phone Ext _____

2009 Service Life Estimate

Existing pavements of Local streets :

Type:	Miles	% of total	Estimated life (years)	Replacement rate (miles/yr)	Replacement pavement	Cost per mile	Amount needed per year
Composite (asphalt over concrete):	90	9%	45	2.0	reconstruct(45%)	\$ 1,450,000	\$ 2,900,000
Composite (asphalt over concrete):	110	11%	45	2.4	asphalt (55%)	\$ 725,000	\$ 1,772,222
Flexible (asphalt)	240	25%	55	4.36	asphalt	\$ 725,000	\$ 3,163,636
Macadam	90	9%	100	0.90	asphalt	\$ 750,000	\$ 675,000
Rigid (concrete)	430	45%	70	6.14	asphalt	\$ 700,000	\$ 4,300,000
Totals	960	100%		15.85			\$ 12,810,859

* = number of miles/assumed life

Existing pavements of collector streets :

Type:	Miles	% of total	Estimated life (years)	Replacement rate (miles/yr)	Replacement pavement	Cost per mile	Amount needed per year
Composite (asphalt over concrete):	27	30%	45	0.6	concrete (50%)	\$ 1,450,000	\$ 870,000
Composite (asphalt over concrete):	28	31%	45	0.6	asphalt (50%)	\$ 725,000	\$ 451,111
Macadam	4	4%	100	0.04	asphalt	\$ 750,000	\$ 30,000
Rigid (concrete)	31	34%	70	0.44	asphalt	\$ 700,000	\$ 310,000
Totals	90	100%		1.71			\$ 1,661,111

Total Locals and Collectors

\$ 14,471,970

* = number of miles/assumed life
1/25/07 MLD
Updated by CAW 8/13/09
updated 1-22-2010 with collectors

(local street replacement analysis updated for 2011 budget)

weighted cost per mile = \$ 774,000.00

Capital Improvement Request Form Part I

Project/Program Title: Alley Reconstruction **Requesting Department:** Department of Public Works
Prepared By/Phone Ext: M. Dziejwontkoski -2460 **Department Head Signature:** _____
Account No: ST212110000

A) Department Priority _____ of _____ **Useful Life** 50 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** _____

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries \$
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 This is a listing City sponsored alleys which are in need of replacement with a portion of the cost being recovered by special assessments levied against abutting properties. The recently approved Vehicle Registration Fee lowered the recovery from 90% to 60% of the costs. One of the objectives is holding the annual maintenance costs at a reasonable level. Give the historical life expectancy of alleys is approximately 50 years, and that approximately 125 miles of the existing network falls within this category, and that preservation efforts, based on budget allocations permits achievement of less than 2 miles annually, this program is needed to acheive the City's objective. Lack of funding will permit an old system to get older resulting in more advanced deteriorated facilities which will require significantly higher maintenance expenditures and ultimately higher construction costs if delayed. In terms of cost savings and future cost avoidance, the effectiveness of improvements can perhaps be measured on less routine maintenance operations.

G) Additional Comments
 From 2000-2005 based on the funds budgeted for the alley program, approximately 2 miles or 22 projects have been replaced per year. The alley system is comprised of approximately 400 miles of alleys and 4000 alleys. Based on this data, we have a replacement cycle of nearly 200 years. In 2009 only 7 alleys were able to be constructed based on the available funding. If it is desirable to maintain a replacement of 50 years, we need to budget at least \$2.5M per year. Current special assessment rates are anticipated to recover approximately 40% of the total cost of the alleys program-wide.

Capital Improvement Request Part II

Requesting Department: Department of Public Works **Account No.:** ST212110000
Project/Program Title: Alley reconstruction

Year	Special Assessment				Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	Enterprise	
Remaining Balance for 2010			\$0		\$0
2011 Budget Request	\$1,500,000		\$1,000,000		\$2,500,000
2012 Projection	\$1,800,000		\$1,200,000		\$3,000,000
2013 Projection	\$2,100,000		\$1,400,000		\$3,500,000
2014 Projection	\$2,100,000		\$1,400,000		\$3,500,000
2015 Projection	\$2,100,000		\$1,400,000		\$3,500,000
2016 Projection	\$2,100,000		\$1,400,000		\$3,500,000
Total Six Year Cost	\$11,700,000	\$0	\$7,800,000	\$0	\$19,500,000
Total Project Cost	\$11,700,000	\$0	\$7,800,000	\$0	\$19,500,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source? Yes No Uncertain
 Are cost estimates based on industry standards? Yes No Uncertain
 Will city employees be performing any portion of the work? Yes No Uncertain
 Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: ongoing engineering
 Estimated Completion Date: ongoing

Department Head Signature _____
 Prepared By/Phone Ext _____

Capital Improvement Request Form Part I

Project/Program Title: SIDEWALK REPLACEMENT CONTRACT Requesting Department: DPW / INFRASTRUCTURE

Prepared By/Phone Ext: Dale Mejaki x3437 Department Head Signature: _____

Account No: 0333-4926-ST230100000

A) Department Priority _____ of _____ Useful Life 50 Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program

Project/Program Scope Fully Defined Partially Defined

B) Description

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation

Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility

ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other _____

C) Project/Program Duration

One Year Yes No

On-Going Program Yes No

Multi-Year Yes No Number of Years _____

D) Total Positions _____ Total FTEs _____

Position Title	No. of Positions	FTEs	Salaries
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification

A goal of the City's strategic plan includes the improvement of existing infrastructure. To achieve this goal, sidewalks within the City's street system must be kept in a safe condition for the general public. Sidewalk replacement by contract is an existing program for the replacement of defective sidewalk throughout the City. Its purpose is to eliminate cracked, spalled and out-of-grade walk slabs in the public way. Replacements are scheduled within specific areas. In 2007 a detailed field sidewalk survey was completed which represented 5% of all sidewalks in random streets throughout the City and indicated of the existing 68 million square feet of walk in the City, as much as 18% or 12 million square feet may be defective.

G) Additional Comments

The Milwaukee Charter mandates the Commissioner of Public Works "to cause the sidewalks in the City to be kept in proper repair" (11-25). This program has resulted in the effective maintenance of the City's sidewalk since 1963 and serves to enhance the restoration of neighborhoods and improvement of the infrastructure system. The program's goal is the annual replacement of 300-350,000 square feet of sidewalk. Project scope include sidewalk, curb and gutter and handicap ramp replacements by contract and at scattered sites

Capital Improvement Request Part II

Requesting Department: DPW / INFRASTRUCTURE **Account No.:** 0333-4926-ST230100000
Project/Program Title: SIDEWALK REPLACEMENT PROGRAM

Year	Special Assessment				Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	Enterprise	
Remaining Balance for 2010	\$0	\$0	\$0	\$0	\$0
2011 Budget Request	\$1,190,000			\$410,000	\$1,600,000
2012 Projection	\$1,250,000			\$450,000	\$1,700,000
2013 Projection	\$1,320,000			\$480,000	\$1,800,000
2014 Projection	\$1,380,000			\$520,000	\$1,900,000
2015 Projection	\$1,450,000			\$550,000	\$2,000,000
2016 Projection	\$1,530,000			\$570,000	\$2,100,000
Total Six Year Cost	\$8,120,000	\$0	\$0	\$2,980,000	\$11,100,000
Total Project Cost	\$8,120,000	\$0	\$0	\$2,980,000	\$11,100,000

Life to Date Expenditures (Project Only)

\$0	\$0	\$0	\$0
-----	-----	-----	-----

Available Cost Estimate:

Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source?

Are cost estimates based on industry standards?

Will city employees be performing any portion of the work?

Did you perform a cost/benefit analysis?

How will this project impact city operating expenditures?

Increase Decrease None

Estimated Start Date: May 2011

Estimated Completion Date: Dec 2011

Department Head Signature

Prepared By/Phone Ext

Dale Mejaki x3437

Capital Improvement Request Form Part I

Project/Program Title: Developer Agreement Paving Requesting Department: DPW/ISD

Prepared By/Phone Ext: M. Dziejwiontkoski -2460 4/04/09 Department Head Signature: _____

Account No: ST214110000

A) Department Priority _____ of _____ Useful Life 50 Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program

Project/Program Scope Fully Defined Partially Defined

B) Description

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation

Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility

ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other _____

C) Project/Program Duration

One Year Yes No

On-Going Program Yes No

Multi-Year Yes No Number of Years _____

D) Total Positions _____ Total FTEs _____

Position Title	No. of Positions	FTEs	Salaries
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes 2008-2013 2009-2014 Yes, Modified New Request

F) Project/Program Justification

Installation of public improvements for new residential and commercial developments is covered by out-of-program agreements in accordance with the Milwaukee Code of Ordinances. This program provides for the construction of streets and alleys required to serve platted subdivisions and planned developments with funds provided by the developer. The objective of the program is to provide permanent pavement facilities to serve new developments in the City.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: Department of Public Works **Account No.:** ST214110000
Project/Program Title: Developer Agreement paving

Year	Special Assessment			Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	
Remaining Balance for 2010	\$0		\$1,000,000	\$1,000,000
2011 Budget request	\$0		\$0	\$0
2012 Projection	\$0		\$400,000	\$400,000
2013 Projection	\$0		\$400,000	\$400,000
2014 Projection	\$0		\$400,000	\$400,000
2015 Projection	\$0		\$400,000	\$400,000
2016 Projection	\$0		\$400,000	\$400,000
Total Six Year Cost	\$0	\$0	\$2,000,000	\$2,000,000
Total Project Cost	\$0	\$0	\$3,000,000	\$3,000,000

Life to Date Expenditures (Project Only) \$0 \$0 \$0 \$0 \$0

Available Cost Estimate:	2009	2010	2011	2012	2013	2014
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source? Yes No Uncertain
 Are cost estimates based on industry standards? Yes No Uncertain
 Will city employees be performing any portion of the work? Yes No Uncertain
 Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____
 Estimated Completion Date: _____

Department Head Signature _____
 Prepared By/Phone Ext M. Dzwiontkoski -2460

Capital Improvement Request Form Part I

Project/Program Title: Street Lighting Program **Requesting Department:** DPW/Infrastructure Services
Prepared By/Phone Ext: Robert W. Brson; ext. 3244 **Department Head Signature:** _____
Account No: ST240110000

A) Department Priority _____ of _____ **Useful Life** 40 **Years** **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
One Year Yes No
On-Going Program Yes No
Multi-Year Yes No **Number of Years** _____

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries	\$
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 The Department of Public Works strives to maintain adequate lighting in neighborhoods and business districts to preserve a sense of safety and security for residents, and to support business growth. It is also necessary to maintain sufficient lighting levels on roadways to meet minimum national lighting standards, and to support safe vehicular and pedestrian circulation. The street lighting system is continuously monitored to assess system adequacy, to evaluate age of equipment with respect to average useful service life, and to determine need for operational improvements and upgrades to improve system reliability. The resources requested are necessary to replace deteriorated poles, defective cable, outdated circuitry, aging electrical substations and other lighting equipment, modernize the street lighting control system, and to preserve adequate residential and business district lighting levels during periods of roadway and other utility construction.

G) Additional Comments
 Investment in these street lighting programs continues to preserve and improve lighting levels, as well as increasing system reliability, which promotes the livability and attractiveness of City neighborhoods while supporting a sense of security for residents. Provision of adequate lighting levels also serves to support local business growth by increasing the visibility and security of commercial business districts, while providing a sense of safety and security for patrons of businesses in these districts. Pedestrian and vehicular traffic safety during nighttime hours is enhanced through both high level and pedestrian scale lighting on City streets, which in turn reduces costs related to traffic crashes and promotes a nighttime pedestrian presence. Maintaining street lighting levels which meet minimum national standards also reduces the City's exposure to liability. Additionally, the continued incorporation of advances in electronic and electrical system technology into the street lighting system can more effectively and efficiently preserve system integrity and reliability of operation.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure Services **Account No:** ST240110000
Project/Program Title: Street Lighting Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010	\$0					\$0
2011 Budget Request	\$7,500,000					\$7,500,000
2012 Projection	\$8,750,000					\$8,750,000
2013 Projection	\$9,150,000					\$9,150,000
2014 Projection	\$9,550,000					\$9,550,000
2015 Projection	\$9,550,000					\$9,550,000
2016 Projection	\$9,200,000					\$9,200,000
Total Six Year Cost	\$53,700,000	\$0	\$0	\$0	\$0	\$53,700,000
Total Project Cost	\$53,700,000	\$0	\$0	\$0	\$0	\$53,700,000

Life to Date Expenditures (Project Only)

	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:

Thorough Cost Estimate	2011	2012	2013	2014	2015	2016
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source? Yes No Uncertain
 Are cost estimates based on industry standards? Yes No Uncertain
 Will city employees be performing any portion of the work? Yes No Uncertain
 Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: 01/01/11
 Estimated Completion Date: 12/31/11

Department Head Signature _____
 Prepared By/Phone Ext Robert W. Bryson, ext. 3244

**Six Year
Capital Improvement Program**

Street Lighting

Sec. Project Description	Labor, Wages and Materials	2011 Fringe Benefits	Total	Cumulative
A. Paving Program				
1 Improvements Related to Paving	\$3,650,000	\$550,300	\$4,200,300	
Subtotal, Section A	\$3,650,000	\$550,300	\$4,200,300	\$4,200,300
B. Street Lighting Substations				
1 Substation Repair and Enclosure Maint.	\$95,000	\$14,500	\$109,500	
2 Street Lighting Control Circuit Replacement	\$400,000	\$0	\$400,000	
Subtotal, Section B	\$495,000	\$14,500	\$509,500	\$4,709,800
C. Neighborhood Lighting Program				
1 Upgrade Street and Alley Lighting	\$55,000	\$8,000	\$63,000	
2 Excavation Repairs	\$55,000	\$8,000	\$63,000	
3 Remove Series Circuitry	\$867,300	\$132,700	\$1,000,000	
4 Pole, Cable and Misc. Equipment Upgrades	\$250,000	\$38,500	\$288,500	
5 Uncollectable Pole Knockdown Repair	\$520,382	\$79,618	\$600,000	
Subtotal, Section C	\$1,747,682	\$266,818	\$2,014,500	\$6,724,300
D. Engineering				
1 Street Lighting Engineering	\$335,000	\$120,700	\$455,700	
2 Electrical Facilities Digitizing Project	\$235,000	\$85,000	\$320,000	
Subtotal, Section E	\$570,000	\$205,700	\$775,700	\$7,500,000
Total	\$6,462,682	\$1,037,318	\$7,500,000	\$7,500,000

March 15, 2010

**Six Year
Capital Improvement Program**

Street Lighting

Sec. Project Description	Labor, Wages and Materials	2012 Fringe Benefits	Total	Cumulative
A. Paving Program				
1 Improvements Related to Paving	\$3,953,000	\$604,809	\$4,557,809	
Subtotal, Section A	\$3,953,000	\$605,200	\$4,558,200	\$4,558,200
B. Street Lighting Substations				
1 Substation Repair and Enclosure Maint.	\$100,000	\$15,300	\$115,300	
2 Street Lighting Control Circuit Replacement	\$1,250,000	\$0	\$1,250,000	
Subtotal, Section B	\$1,350,000	\$15,300	\$1,365,300	\$5,923,500
C. Neighborhood Lighting Program				
1 Upgrade Street and Alley Lighting	\$55,000	\$8,000	\$63,000	
2 Excavation Repairs	\$55,000	\$8,000	\$63,000	
3 Remove Series Circuitry	\$867,300	\$132,700	\$1,000,000	
4 Pole, Cable and Misc. Equipment Upgrades	\$250,000	\$38,500	\$288,500	
5 Uncollectable Pole Knockdown Repair	\$546,400	\$83,600	\$630,000	
Subtotal, Section C	\$1,773,700	\$270,800	\$2,044,500	\$7,968,000
D. Engineering				
1 Street Lighting Engineering	\$345,000	\$124,200	\$469,200	
2 Electrical Facilities Digitizing Project	\$230,000	\$82,800	\$312,800	
Subtotal, Section E	\$575,000	\$207,000	\$782,000	\$8,750,000
Total	\$7,651,700	\$1,098,300	\$8,750,000	\$8,750,000

March 15, 2010

**Six Year
Capital Improvement Program**

Street Lighting

Sec. Project Description	Labor, Wages and Materials	2013 Fringe Benefits	Total	Cumulative
A. Paving Program				
1 Improvements Related to Paving	\$4,222,000	\$645,900	\$4,867,900	
Subtotal, Section A	\$4,222,000	\$645,900	\$4,867,900	\$4,867,900
B. Street Lighting Substations				
1 Substation Repair and Enclosure Maint.	\$120,000	\$18,400	\$138,400	
2 Street Lighting Control Circuit Replacement	\$1,250,000	\$0	\$1,250,000	
Subtotal, Section B	\$1,370,000	\$18,400	\$1,388,400	\$6,256,300
C. Neighborhood Lighting Program				
1 Upgrade Street and Alley Lighting	\$59,000	\$9,000	\$68,000	
2 Excavation Repairs	\$59,000	\$9,000	\$68,000	
3 Remove Series Circuitry	\$867,300	\$132,700	\$1,000,000	
4 Pole, Cable and Misc. Equipment Upgrades	\$250,000	\$38,500	\$288,500	
5 Uncollectable Pole Knockdown Repair	\$572,400	\$87,600	\$660,000	
Subtotal, Section C	\$1,807,700	\$276,800	\$2,084,500	\$8,340,800
D. Engineering				
1 Street Lighting Engineering	\$360,000	\$129,600	\$489,600	
2 Electrical Facilities Digitizing Project	\$235,000	\$84,600	\$319,600	
Subtotal, Section E	\$595,000	\$214,200	\$809,200	\$9,150,000
Total	\$7,994,700	\$1,155,300	\$9,150,000	\$9,150,000

March 15, 2010

**Six Year
Capital Improvement Program**

Street Lighting

Sec. Project Description	Labor, Wages and Materials	2014 Fringe Benefits	Total	Cumulative
A. Paving Program				
1 Improvements Related to Paving	\$4,500,000	\$686,400	\$5,186,400	
Subtotal, Section A	\$4,500,000	\$686,400	\$5,186,400	\$5,186,400
B. Street Lighting Substations				
1 Substation Repair and Enclosure Maint.	\$135,000	\$20,700	\$155,700	
2 Street Lighting Control Circuit Replacement	\$1,250,000	\$0	\$1,250,000	
Subtotal, Section B	\$1,385,000	\$20,700	\$1,405,700	\$6,592,100
C. Neighborhood Lighting Program				
1 Upgrade Street and Alley Lighting	\$62,000	\$9,500	\$71,500	
2 Excavation Repairs	\$62,000	\$9,500	\$71,500	
3 Remove Series Circuitry	\$867,300	\$132,700	\$1,000,000	
4 Pole, Cable and Misc. Equipment Upgrades	\$250,000	\$38,500	\$288,500	
5 Uncollectable Pole Knockdown Repair	\$598,400	\$91,600	\$690,000	
Subtotal, Section C	\$1,839,700	\$281,800	\$2,121,500	\$8,713,600
D. Engineering				
1 Street Lighting Engineering	\$375,000	\$135,000	\$510,000	
2 Electrical Facilities Digitizing Project	\$240,000	\$86,400	\$326,400	
Subtotal, Section E	\$615,000	\$221,400	\$836,400	\$9,550,000
Total	\$8,339,700	\$1,210,300	\$9,550,000	\$9,550,000

March 15, 2010

**Six Year
Capital Improvement Program**

Street Lighting

Sec. Project Description	Labor, Wages and Materials	2015 Fringe Benefits	Total	Cumulative
A. Paving Program				
1 Improvements Related to Paving	\$4,777,000	\$731,200	\$5,508,200	
Subtotal, Section A	\$4,777,000	\$731,200	\$5,508,200	\$5,508,200
B. Street Lighting Substations				
1 Substation Repair and Enclosure Maint.	\$150,000	\$22,500	\$172,500	
2 Street Lighting Control Circuit Replacement	\$850,000	\$0	\$850,000	
Subtotal, Section B	\$1,000,000	\$22,500	\$1,022,500	\$6,530,700
C. Neighborhood Lighting Program				
1 Upgrade Street and Alley Lighting	\$65,000	\$9,500	\$74,500	
2 Excavation Repairs	\$65,000	\$9,500	\$74,500	
3 Remove Series Circuitry	\$867,300	\$132,700	\$1,000,000	
4 Pole, Cable and Misc. Equipment Upgrades	\$250,000	\$38,500	\$288,500	
5 Uncollectable Pole Knockdown Repair	\$628,800	\$96,200	\$725,000	
Subtotal, Section C	\$1,876,100	\$286,400	\$2,162,500	\$8,693,200
D. Engineering				
1 Street Lighting Engineering	\$390,000	\$140,400	\$530,400	
2 Electrical Facilities Digitizing Project	\$240,000	\$86,400	\$326,400	
Subtotal, Section E	\$630,000	\$226,800	\$856,800	\$9,550,000
Total	\$8,283,100	\$1,266,900	\$9,550,000	\$9,550,000

March 15, 2010

**Six Year
Capital Improvement Program**

Street Lighting

Sec. Project Description	Labor, Wages and Materials	2016 Fringe Benefits	Total	Cumulative
A. Paving Program				
1 Improvements Related to Paving	\$5,044,000	\$771,800	\$5,815,800	
Subtotal, Section A	\$5,044,000	\$771,800	\$5,815,800	\$5,815,800
B. Street Lighting Substations				
1 Substation Repair and Enclosure Maint.	\$165,000	\$25,300	\$190,300	
2 Street Lighting Control Circuit Replacement	\$0	\$0	\$0	
Subtotal, Section B	\$165,000	\$25,300	\$190,300	\$6,006,100
C. Neighborhood Lighting Program				
1 Upgrade Street and Alley Lighting	\$65,000	\$9,500	\$74,500	
2 Excavation Repairs	\$65,000	\$9,500	\$74,500	
3 Remove Series Circuitry	\$867,300	\$132,700	\$1,000,000	
4 Pole, Cable and Misc. Equipment Upgrades	\$250,000	\$38,500	\$288,500	
5 Uncollectable Pole Knockdown Repair	\$650,477	\$99,523	\$750,000	
Subtotal, Section C	\$1,897,777	\$289,723	\$2,187,500	\$8,193,600
D. Engineering				
1 Street Lighting Engineering	\$490,000	\$176,400	\$666,400	
2 Electrical Facilities Digitizing Project	\$250,000	\$90,000	\$340,000	
Subtotal, Section E	\$740,000	\$266,400	\$1,006,400	\$9,200,000
Total	\$7,846,777	\$1,353,223	\$9,200,000	\$9,200,000

March 15, 2010

Capital Improvement Request Form Part I

Project/Program Title: Traffic Control Facilities Program **Requesting Department:** DPW/Infrastructure Services
Prepared By/Phone Ext: Robert W. Bryson; ext. 3244 **Department Head Signature:** _____
Account No: ST220110000

A) Department Priority _____ of _____ **Useful Life** 40 **Years** **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
One Year Yes No
On-Going Program Yes No
Multi-Year Yes No **Number of Years** _____

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries	\$
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 This program provides for upgrade, replacement and installation of traffic control devices as needed to implement City Ordinances, accommodate traffic pattern changes, meet Statutory mandates, provide conformity with national standards, and utilize technological advances to improve traffic flow. This provides for safe, economical and efficient movement of pedestrian and vehicular traffic, and supports commerce in the City. Traffic signs, signals and other traffic control systems provide safe and efficient operation by assigning right-of-way, providing guidance, advising motorists of hazards or unusual roadway conditions, and informing motorists of speed limits and other restrictions and regulations. As required by Wisconsin State Statutes, traffic control devices are installed and maintained in conformance with the federal "Manual on Uniform Traffic Control Devices" (MUTCD) to provide clear and consistent application of traffic control on City streets, and to ensure understanding of these devices by motorists.

G) Additional Comments
 Technology based improvements and techniques are constantly being incorporated into City traffic control systems to improve traffic flow and reduce vehicle emissions which will, in turn, enhance the health and safety of City residents and visitors, and provide for more efficient movement of goods and services to support growth of business and industry in the City. This program also supports the upgrade or installation of new traffic control signs and signals in response to continually changing traffic patterns, and in response to ongoing traffic ordinance updates enacted by the Common Council. In December, 2009, the Federal Highway Administration issued a final rule adopting changes to the 2003 MUTCD, which became effective in the United States on January 15, 2010. It is anticipated that these changes will be adopted and incorporated by the State of Wisconsin into State Statutes by the end of 2010. These changes mandate upgrades and improvements to traffic control signs, signals and pavement marking systems in the City, with some of the prescribed changes allowed to be implemented over a prescribed phase-in period. These mandatory changes are included in this Cap

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure Services **Account No.:** ST220110000
Project/Program Title: Traffic Control Facilities Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request	\$2,366,000					\$2,366,000
2012 Projection	\$2,316,000					\$2,316,000
2013 Projection	\$2,370,000					\$2,370,000
2014 Projection	\$2,374,500					\$2,374,500
2015 Projection	\$2,032,000					\$2,032,000
2016 Projection	\$1,865,000					\$1,865,000
Total Six Year Cost	\$13,323,500	\$0	\$0	\$0	\$0	\$13,323,500
Total Project Cost	\$13,323,500	\$0	\$0	\$0	\$0	\$13,323,500

Life to Date Expenditures (Project Only) \$0 \$0 \$0 \$0 \$0 \$0

Available Cost Estimate:

Thorough Cost Estimate 2011 2012 2013 2014 2015 2016

Limited Information

Based on Cost of Similar Projects

Unsupported

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

Will city employees be performing any portion of the work? Yes No Uncertain

Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: January 1, 2011

Estimated Completion Date: December 31, 2011

Department Head Signature _____
 Prepared By/Phone Ext Robert W. Bryson; ext. 3244

2009 MUTCD Required Upgrades: 2011 to 2018

	2011	2012	2013	2014	2015	2016	2017	2018	Total
Traffic Signs									
Regulatory Signs									
Keep Right Signs - Median Divided Roadways	\$23,000	\$23,000	\$23,000	\$23,000	\$23,000	\$23,000	\$23,000		\$161,000
Push Button for Walk Signs	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000		\$210,000
Overhead Lane Control Signs	\$55,000	\$55,000	\$55,000	\$55,000	\$45,000				\$265,000
Replace 4-Way Placards at AWSC	\$55,000	\$55,000							\$110,000
Subtotal	\$163,000	\$163,000	\$108,000	\$108,000	\$98,000	\$53,000	\$53,000	\$0	\$746,000
Retroreflectivity Standard Compliance	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000				\$800,000
Street Name Sign Replacement	\$350,000	\$350,000	\$350,000	\$350,000					\$1,400,000
Total Traffic Sign Upgrades	\$673,000	\$673,000	\$618,000	\$618,000	\$258,000	\$53,000	\$53,000	\$0	\$2,946,000
Sign Engineering	\$100,950	\$100,950	\$92,700	\$92,700	\$38,700	\$7,950	\$7,950	\$0	\$441,900
Total Sign Costs	\$773,950	\$773,950	\$710,700	\$710,700	\$296,700	\$60,950	\$60,950	\$0	\$3,387,900
Traffic Signals									
Overhead Signals w/backplates	\$75,000	\$75,000	\$75,000	\$75,000	\$80,000	\$80,000	\$80,000	\$80,000	\$620,000
Battery Backup - RR Preempt	\$45,000								\$45,000
Median Mounted Pedestrian Indications	\$20,000								\$20,000
Left Lane Post Mount Location Changes	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$960,000
Audible Pedestrian Signal Upgrades	\$35,000								\$35,000
Total Signal Upgrades	\$295,000	\$195,000	\$195,000	\$195,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,680,000
Signal Engineering	\$30,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$170,000
Total Signal Costs	\$325,000	\$215,000	\$215,000	\$215,000	\$220,000	\$220,000	\$220,000	\$220,000	\$1,850,000

Capital Improvement Request Form Part I

Project/Program Title: Underground Conduit Manhole Reconstruction **Requesting Department:** DPW/Infrastructure Services
Prepared By/Phone Ext: Clark Wantoch/2401 **Department Head Signature:** _____
Account No: ST285110000

A) Department Priority _____ of _____ **Useful Life** 75 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodelling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** _____

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries	\$
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 The reconstruction of electrical manholes located in street right-of-way provides the necessary secure and safe entrance network for all of the communications, traffic control and street lighting cable circuits that serve the City of Milwaukee's governmental buildings and agencies. Since the underground communications and electrical manholes are located in street pavement, constant vehicle traffic along with weather conditions of rain, snow salt, freezing and thawing, have caused structural damage, and are a seasonal repair problem. Also age and type of material of the manhole are factors of damages. The older brick constructed manholes built at the turn of the century along with many of the block constructed manholes built in the 1950's and 60's need immediate repair and reconstruction. If funding is not available for this program, the manholes will continue to the point of failure.

G) Additional Comments
 A manhole plan has been developed to clean, survey, repair and/or reconstruct as necessary existing communications and electrical service manholes in the City. Presently there are 7,507 active manholes in the system.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure Services

Project/Program Title: Underground Conduit Manhole Reconstruction Program

Account No.: ST285110000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request	\$200,000					\$200,000
2012 Projection	\$200,000					\$200,000
2013 Projection	\$200,000					\$200,000
2014 Projection	\$200,000					\$200,000
2015 Projection	\$200,000					\$200,000
2016 Projection	\$200,000					\$200,000
Total Six Year Cost	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
Total Project Cost	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000

Life to Date Expenditures (Project Only)

	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:

- Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
- Limited Information 2011 2012 2013 2014 2015 2016
- Based on Cost of Similar Projects 2011 2012 2013 2014 2015 2016
- Unsupported 2011 2012 2013 2014 2015 2016

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: _____

Estimated Completion Date: _____

Department Head Signature _____

Prepared By/Phone Ext _____

Capital Improvement Request Form Part I

Project/Program Title: City Hall Foundation Restoration **Requesting Department:** DPW/Infrastructure: Facilities Development & Management
Prepared By/Phone Ext: Facilities Development and Mgmt/X3409 **Department Head Signature:** _____
Account No: BU110080800

A) Department Priority SP-1 of SP-6 **Useful Life** 100 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** 2

D) Total Positions 3 **Total FTEs** 1.4

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>3</u>	<u>1.4</u>	\$ <u>120,000</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 This program addresses the deteriorated condition of City Hall's foundation primarily on the north side and the hollow sidewalks on the east and west sides of the building. The program restores the pile foundation to ensure the building is structurally sound and rebuilds the hollow sidewalks to provide a safe and a water tight condition. This funding will prevent further physical deterioration of the building. Funding in 2008 was provided for the project's professional design services. Funding for construction is being requested in 2009-12.
 Note: Bonding authority required for total project cost to award construction contract.

G) Additional Comments
 See Attached.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Facilities Development & Management
Project/Program Title: City Hall Foundation & Restoration
Account No.: BU110080800

Year	Tax Levy/Borrowing		Grant & Aid		Revenue		Special Assessment		Enterprise		Total Cost
Remaining Balance for 2010	\$0										\$0
2011 Budget Request	\$4,500,000										\$4,500,000
2012 Projection	\$4,500,000										\$4,500,000
2013 Projection	\$0										\$0
2014 Projection	\$0										\$0
2015 Projection	\$0										\$0
2016 Projection	\$0										\$0
Total Six Year Cost	\$9,000,000		\$0		\$0		\$0		\$0		\$9,000,000
Total Project Cost	\$9,000,000		\$0		\$0		\$0		\$0		\$9,000,000

Life to Date Expenditures (Project Only)

\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:

Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
 Limited Information
 Based on Cost of Similar Projects
 Unsupported

Were cost estimates confirmed by another source? Yes No Uncertain
 Are cost estimates based on industry standards? Yes No Uncertain
 Will city employees be performing any portion of the work? Yes No Uncertain
 Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: In Progress
Estimated Completion Date: 12/31/12

Department Head Signature _____
Prepared By/Phone Ext Facilities Development & Management Ext 3409

City Hall Foundation & Hollow Walk Repairs
Attachment 1 – page 1

The 112 year old Milwaukee City Hall is in need of significant repair/restoration work to the foundation, sidewalks, hollow sidewalk areas, and associated interior walls supporting them. The repair/restoration work is needed to address aging related deterioration of key exterior elements such as the wood foundation piles, pile caps, below grade hollow sidewalk walls, and structural concrete beams and sidewalk. Funding for the project is critical for the long term stability of the structure.

On completion of the recommended repair/restoration work, it is anticipated that Milwaukee City Hall's building foundation will continue to perform well in supporting this unique historic structure. The repair/restoration of the hollow sidewalk area on the east and west sides of City Hall will continue to provide additional needed building storage/operational space. A cyclical maintenance plan has been developed and will be required to maintain the performance of the building elements.

An associated benefit from this program is that the City is taking the lead in maintaining the City's aging infrastructure and preserving historically significant structures in our community.

Fringe benefit costs have been included in the capital projects costs for work associated with the City project team labor hours.

The specific project consists of the following in 2011:

<u>Building</u>	<u>Description</u>	<u>Cost</u>
City Hall	Foundation & Restoration Construction	\$4,500,000

Note: Bonding Authority required for total project cost to award construction contract.

Capital Improvement Request Form Part I

Project/Program Title: MacArthur Square Plaza Remediation **Requesting Department:** DPW/Infrastructure: Facilities Development & Mgmt
Prepared By/Phone Ext: Facilities Development & Mgmt/X3409 **Department Head Signature:** _____
Account No: BU110080900

A) Department Priority SP-6 of SP-6 **Useful Life** 10 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No Number of Years _____

D) Total Positions 2 **Total FTEs** 0.4

Position Title	No. of Positions	FTEs	Salaries
_____	<u>2</u>	<u>0.4</u>	\$ <u>29,804</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 The MacArthur Square Plaza was constructed in 1966-68. Since that time no significant changes were made, except for sidewalk replacement in the early 1980's. 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. The financial needs for this work range between \$16 million to \$19.2 million. The waterproofing beneath the soil overburden has failed and leaking causing operational problems for parking section and needs to be replaced.

G) Additional Comments
 This public space is under-utilized, and discussions with the Department of City Development have taken place emphasizing enhancing this area and making better use of this public space.

NOTE: 2005 engineering condition report available on request.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Facilities Development and Management

Project/Program Title: MacArthur Square Plaza Remediation

Account No: BU110080900

Year	Special Assessment			Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	
Remaining Balance for 2010	\$0			\$0
2011 Budget Request	\$247,000			\$247,000
2012 Projection	\$251,000			\$251,000
2013 Projection	\$255,000			\$255,000
2014 Projection	\$259,000			\$259,000
2015 Projection	\$263,000			\$263,000
2016 Projection	\$267,000			\$267,000
Total Six Year Cost	\$1,542,000	\$0	\$0	\$1,542,000
Total Project Cost	\$1,542,000	\$0	\$0	\$1,542,000

Life to Date Expenditures (Project Only)

\$0	\$0	\$0	\$0
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Available Cost Estimate:

- Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
- Limited Information 2011 2012 2013 2014 2015 2016
- Based on Cost of Similar Projects 2011 2012 2013 2014 2015 2016
- Unsupported 2011 2012 2013 2014 2015 2016

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: _____ In Progress

Estimated Completion Date: _____ On Going

Department Head Signature

Prepared By/Phone Ext

Facilities Development and Management/X3409

Capital Improvement Request Form Part I

Project/Program Title: Environmental Program **Requesting Department:** DPW/Facilities Develop & Mgmt
Prepared By/Phone Ext: Facilities Development & Mgmt Ext 3295 **Department Head Signature:** _____
Account No: BU11091500

A) Department Priority 1 of 10 **Useful Life** N/A Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No Number of Years _____

D) Total Positions 2 **Total FTEs** 0.8

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>2</u>	<u>0.8</u>	\$ <u>57,550</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 This is an ongoing program to provide a safe environment for the public and employees that use City-owned buildings by removing hazardous asbestos and lead containing building materials during maintenance, that becomes damaged, or that will be disturbed during any construction activity. The program also provides funding for monitoring as required by code for closed landfills and sites contaminated from past leaking underground storage tanks. This program is also used to provide monitoring and repairs to petroleum storage tanks and dispensing equipment in order to avoid future contamination and as required by code. Additionally, this program supports the upgrades and repairs to stormwater management systems and equipment.

G) Additional Comments
 The projects for 2011 are:

Asbestos Abatement & Hazardous Waste	\$75,000
Soil & Groundwater Remediation	\$75,000
CRG Curb And Gutter - SWPP	\$110,000
Total	\$260,000

Capital Improvement .it Request Part II

Requesting Department: DPW Operations: Facilities Development and Management
Project/Program Title: Environmental Program
Account No.: BU11091500

Year	Special Assessment				Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	Enterprise	
Remaining Balance for 2010					\$0
2011 Budget Request	\$260,000				\$260,000
2012 Projection	\$319,000				\$319,000
2013 Projection	\$324,000				\$324,000
2014 Projection	\$329,000				\$329,000
2015 Projection	\$334,000				\$334,000
2016 Projection	\$339,000				\$339,000
Total Six Year Cost	\$1,905,000	\$0	\$0	\$0	\$1,905,000
Total Project Cost	\$1,905,000	\$0	\$0	\$0	\$1,905,000

Life to Date Expenditures (Project Only)

2011	2012	2013	2014	2015	2016
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

Thorough Cost Estimate: 2011 2012 2013 2014 2015 2016

Limited Information: 2011 2012 2013 2014 2015 2016

Based on Cost of Similar Projects: 2011 2012 2013 2014 2015 2016

Unsupported: 2011 2012 2013 2014 2015 2016

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

Will city employees be performing any portion of the work? Yes No Uncertain

Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: In-Progress

Estimated Completion Date: On-going

Department Head Signature _____
 Prepared By/Phone Ext Facilities Development & Management/Ext 3295

Capital Improvement Request Form Part I

Project/Program Title: ADA Compliance Program **Requesting Department:** DPW/Infrastructure: Facilities Development & Mgmt
Prepared By/Phone Ext: Facilities Development & Mgmt/Ext3409 **Department Head Signature:** _____
Account No: BU110010500

A) Department Priority 2 of 10 **Useful Life** 20 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No Number of Years _____

D) Total Positions 4 **Total FTEs** 0.4

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>2</u>	<u>0.2</u>	\$ <u>13,927</u>
<u>Construction Trades</u>	<u>2</u>	<u>0.2</u>	\$ <u>12,661</u>
			\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 This program responds to new and updated regulations and to improve access to our facilities for the disabled and/or handicapped. The Federal government enacted the "Americans with Disabilities Act Accessibility Guidelines" (ADAAG) in 1991. To date many deficiencies remain in the City Hall Complex and outlying facilities. All government buildings were required to be in compliance with ADAAG by mid-1995. Contracted architectural services are in place to do this work and to evaluate/identify existing City facilities requiring ADAAG improvements as part of this program.

G) Additional Comments
 See Attached.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Facilities Development & Management
 Project/Program Title: ADA Compliance Program Account No: BU110010500

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010	\$0					\$0
2011 Budget Request	\$307,200					\$307,200
2012 Projection	\$190,000					\$190,000
2013 Projection	\$190,000					\$190,000
2014 Projection	\$295,400					\$295,400
2015 Projection	\$295,400					\$295,400
2016 Projection	\$374,000					\$374,000
Total Six Year Cost	\$1,652,000	\$0	\$0	\$0	\$0	\$1,652,000
Total Project Cost	\$1,652,000	\$0	\$0	\$0	\$0	\$1,652,000

Life to Date Expenditures (Project Only) \$0 \$0 \$0 \$0 \$0

Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source? Yes No Uncertain
 Are cost estimates based on industry standards? Yes No Uncertain
 Will city employees be performing any portion of the work? Yes No Uncertain
 Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____ In-Progress
 Estimated Completion Date: _____ On-Going

Department Head Signature _____
 Prepared By/Phone Ext Facilities Development & Management/Ext 3409

ADA Compliance Program
Attachment 1 – page 1

This program provides the funding for building alteration projects to meet the new guidelines for ADAAG. It provides required ADAAG access to City government buildings. These alteration projects would provide access to building entrances, restrooms, public telephones, drinking fountains, lobbies, meeting rooms and office space in the City Hall Complex and at outlying City facilities. These alterations improve the quality of life for persons with disabilities by installing proper door hardware, plumbing fixtures, towel dispensers, etc. and many other improvements.

We continue to review and revise our scheduled projects for the City Hall Complex to coordinate this work with related remodeling to minimize the inconvenience to City employees. The following is a list of projects for 2011:

Building	Description	Cost
City Hall	8 th Floor Restrooms	\$307,200

This project is planned to coincide with the City Hall-8th Floor City Attorney's Office Remodeling Project. If funding for this office remodeling project is not approved for 2011, then we would recommend doing the ADA remodeling of the 809 Building's-3rd Floor Restroom at a cost of \$190,000 for 2011 or doing this project over two years at a cost of \$95,000 per year.

Capital Improvement Request Form Part I

Project/Program Title: Facilities Exterior Program **Requesting Department:** DPW/Infrastructure: Facilities Development & Management
Prepared By/Phone Ext: Facilities Development & Mgmt X3409 **Department Head Signature:** _____
Account No: BU11091300

A) Department Priority 3 of 10 **Useful Life** 20 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** _____

D) Total Positions 4 **Total FTEs** 0.9

Position Title	Professional/Inspection	No. of Positions	FTEs	Salaries	\$
		<u>2</u>	<u>0.55</u>		<u>40,000</u>
		<u>2</u>	<u>0.76</u>		<u>45,872</u>
					\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 This program maintains City facilities in a watertight, energy efficient, and safe condition. Building materials deteriorate over time and allow water penetration into the structure causing damage to the interior finishes, structural elements, and building contents. Yard and parking lot pavements become deteriorated by weather and heavy use. There is also a need to upgrade existing site lighting and pave unimproved areas of yards to provide needed working space and/or parking.

G) Additional Comments
 See Attached.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Facilities Development & Management

Project/Program Title: Facilities Exterior Program **Account No:** BU11091300

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010	\$0					\$0
2011 Budget Request	\$1,200,000					\$1,200,000
2012 Projection	\$1,200,000					\$1,200,000
2013 Projection	\$1,200,000					\$1,200,000
2014 Projection	\$1,200,000					\$1,200,000
2015 Projection	\$1,200,000					\$1,200,000
2016 Projection	\$1,200,000					\$1,200,000
Total Six Year Cost	\$7,200,000	\$0	\$0	\$0	\$0	\$7,200,000
Total Project Cost	\$7,200,000	\$0	\$0	\$0	\$0	\$7,200,000

Life to Date Expenditures (Project Only)

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:

- Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
- Limited Information 2011 2012 2013 2014 2015 2016
- Based on Cost of Similar Projects 2011 2012 2013 2014 2015 2016
- Unsupported 2011 2012 2013 2014 2015 2016

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

Will city employees be performing any portion of the work? Yes No Uncertain

Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____ In-Progress _____
 Estimated Completion Date: _____ On-Going _____

Department Head Signature _____

Prepared By/Phone Ext _____

Facilities Development and Management /X3409

Facilities Exterior Program

Attachment 1 – pag

This program provides for tuckpointing masonry, recaulking precast concrete, sealing curtainwall construction, building reroofing, window, doors and overhead door replacements, yard and lot paving, exterior lighting improvements, and other miscellaneous facility exterior maintenance items. Also included are structural elements such as floors and foundations.

Operating savings reductions are minimal for building elements and paving. Energy reductions are also minimal since most roof and window replacements are of systems which are already energy efficient but have deteriorated or reached the end of their useful life. Repair funds are needed to keep the facilities functional by extending their useful lives.

Significant cost avoidance will result from this work. Maintenance of exterior building materials is essential in protecting City buildings' internal structure, interior finishes, contents, and occupants from the damaging effects of weather. Building materials have a limited life span. When they age past their useful life, failures occur resulting in extensive damage to building exteriors and internal structures. Exterior materials including yard and parking lot paving deteriorate at an accelerated rate once they exceed their useful life. Repair/replacement of these materials at this time will avoid additional costs.

No revenues will be generated. Fringe benefit costs have been included in the capital projects costs.

The following is a list of projects for 2011:

<u>Building</u>	<u>Description</u>	<u>Cost</u>
Reroofing	Central Repair Garage Heavy Side-West Roof #1	\$823,400
Reroofing	Anderson Tower and Municipal Building	\$176,600
General	Various Sites-Emergency Repairs	<u>\$200,000</u>
		\$1,200,000

NOTE: Condition reports available on request.

Capital Improvement Request Form Part I

Project/Program Title: City Hall Complex Remodeling Program **Requesting Department:** DPW/Infrastructure: Facilities Development and Management
Prepared By/Phone Ext: Facilities Development & Mgmt Ext 3409 **Department Head Signature:** _____
Account No: BU11083900

A) Department Priority 4 of 10 **Useful Life** 20 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No Number of Years _____

D) Total Positions 2 **Total FTEs** 0.5

Position Title	Professional/Inspection	No. of Positions	FTEs	Salaries	\$
		<u>2</u>	<u>0.0</u>		<u>3,348</u>
					\$ _____
					\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 This program provides the funding to address the architectural and mechanical remodeling work needed in the City Hall Complex. This remodeling work will create functional, efficient, and safe working environments, meet the new State of Wisconsin energy (lighting, mechanical equipment/controls), and safety (sprinkler and life/safety) building code requirements and the environment concerns such as asbestos identified floor fill material. In addition, this program will address interior building restoration work and departments' office reorganizational changes.

G) Additional Comments
 This program is essential in providing quality working environments and functional operating improvements. The current strategy is to suspend this program's projects in years 2007-2010; however, this delays planned remodeling projects such as the Mayor's Office which hasn't been remodeled in over 30 years, as well as the City Clerks office. The Department of City Development's office on the 2nd and 3rd Floors and DOA-Information and Technology Management office on the 4th Floor of the 809 Building are also in need of remodeling, not haven't been remodeled since their occupancy in the early 1980's. A Long-Term Balanced-Funding Strategy for remodeling the City Hall complex which has 22 floors would need funding of \$2-4 million annually based upon a 20-year useful life.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Facilities Development and Management **Account No.:** BU11063900
Project/Program Title: City Hall Complex Remodeling Program

Year	Special Assessment			Enterprise			Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost	
Remaining Balance for 2010	\$0					\$0	
2011 Budget Request	\$50,000					\$50,000	
2012 Projection	\$138,000					\$138,000	
2013 Projection	\$1,804,000					\$1,804,000	
2014 Projection	\$3,223,000					\$3,223,000	
2015 Projection	\$3,577,000					\$3,577,000	
2016 Projection	\$3,577,000					\$3,577,000	
Total Six Year Cost	\$12,369,000	\$0	\$0	\$0	\$0	\$12,369,000	
Total Project Cost	\$12,369,000	\$0	\$0	\$0	\$0	\$12,369,000	

Life to Date Expenditures (Project Only) \$0 \$0 \$0 \$0 \$0 \$0

Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source? Yes No Uncertain
 Are cost estimates based on industry standards? Yes No Uncertain
 Will city employees be performing any portion of the work? Yes No Uncertain
 Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____ In Progress
 Estimated Completion Date: _____ On-Going

Department Head Signature _____
 Prepared By/Phone Ext Facilities Development & Management Ext 3409

City Hall Complex Remodeling Program
Attachment 1 – page

The existing carpeting in the City Hall Complex varies in age, with some being over 30 years old. After time this carpeting wears which can cause it to lift, roll or buckle. This creates an unsafe walking condition. Funding for this project would allow us to address this concern in the City Hall Complex.

The City Hall Complex Remodeling Program consists of the following projects for 2011:

<u>Building</u>	<u>Description</u>	<u>Cost</u>
City Hall Complex	Carpet Replacement various locations	\$50,000

Capital Improvement Request Form Part I

Project/Program Title: Municipal Garages/Outlying Facilities Remodeling
 Requesting Department: DPW/Infrastructure: Facilities Development and Management
Prepared By/Phone Ext: Facilities Development & Mgmt Ext 3409
 Department Head Signature: _____
Account No: BU110030300

A) Department Priority 5 of 10
 Useful Life 25 Years
 Level of Need
 Essential
 Important
 Desired
Type of Project
 New
 Replacement
 Repair
 Project/Program Scope
 Fully Defined
 Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related
 Sewer
 Water
 Street Lighting
 Communications
 Recreation
 Sidewalks
 Alleys
 Bridge
 Environmental
 Port
 Parking
Building
 Roof
 Windows
 HVAC
 Electrical
 Restroom
 Security
 Exterior
 Entire Facility
 ADA
 Office Remodeling
 New Building
 Elevators
 Garage
 Mechanical
Miscellaneous Development
 Economic
 Information Systems
 Equipment
 Other _____

C) Project/Program Duration
 One Year
 Yes
 No
 On-Going Program
 Yes
 No
 Multi-Year
 Yes
 No
 Number of Years _____

D) Total Positions 3
 Total FTEs 2.2

Position Title	No. of Positions	FTEs	Salaries
Professional/Inspection	1	1.0	\$ 75,350
Trades	2	1.2	\$ 71,500
			\$

E) In Six Year Capital Improvement Plan
 Yes
 2009-2014
 2010-2015
 Yes, Modified
 New Request

F) Project/Program Justification
 This program was initiated to address the functional needs of DPW's aged and outmoded municipal garage facilities. At the time of their construction, these facilities were not built with today's modern diagnostic and repair environment in mind. Current layouts preclude movement of equipment, repair bays are cramped, and major operational and associated repair systems are outdated or have reached and, in many cases, surpassed their useful life. This program will also address the functional and operational needs of other outlying facilities not covered by other programs.

G) Additional Comments
 See Attached.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Facilities Development and Management **Account No.:** BU110030300
Project/Program Title: Municipal Garages/Outlying Facilities Remodeling Program

Year	Special Assessment			Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	
Remaining Balance for 2010	\$0			\$0
2011 Budget Request	\$1,700,000			\$1,700,000
2012 Projection	\$1,500,000			\$1,500,000
2013 Projection	\$500,000			\$500,000
2014 Projection	\$500,000			\$500,000
2015 Projection	\$500,000			\$500,000
2016 Projection	\$1,500,000			\$1,500,000
Total Six Year Cost	\$6,200,000	\$0	\$0	\$6,200,000
Total Project Cost	\$6,200,000	\$0	\$0	\$6,200,000

Life to Date Expenditures (Project Only) \$0 \$0 \$0 \$0 \$0

Available Cost Estimate:

Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
 Limited Information
 Based on Cost of Similar Projects
 Unsupported

Were cost estimates confirmed by another source? Yes No Uncertain
 Are cost estimates based on industry standards? Yes No Uncertain
 Will city employees be performing any portion of the work? Yes No Uncertain
 Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____ In-Progress _____
 Estimated Completion Date: _____ On-Going _____

Department Head Signature _____
 Prepared By/Phone Ext _____ Facilities Development and Management/Ext 3409

MUNICIPAL GARAGES/OUTLYING FACILITIES REMODELING

The following projects are for 2011:

Northwest Municipal Garage Upgrades (Construction)	\$1,600,000
--	-------------

The FCIS report indicates many of the items which require attention at this facility some of the major component upgrades are \$400,000 for high efficiency boilers the existing were installed in 1991 and are not energy efficient, \$400,000 for make-up air handling units the existing are original to the building which was built in 1950, and \$200,000 for fire protection. The design work for this project was approved in the 2010 budget.

NOTE: A major investment was recently completed by buying the land adjacent to this property and construction of a new salt dome in 2009.

Lincoln Avenue Municipal Garage Upgrades (Design)	\$100,000
---	-----------

The FCIS report indicates many items in need of upgrades which need to be designed for future construction. Some of the major components that will require upgrades are \$450,000 Electrical Distribution, \$900,000 heating and ventilating systems, and \$400,000 vehicle lifts.

TOTAL	\$1,700,000
--------------	--------------------

Note: Facilities Condition Studies and Facilities Condition Inspection System reports for Northwest and Lincoln Garages available upon request.

Capital Improvement Request Form Part I

Project/Program Title: Facilities Systems Program **Requesting Department:** DPW/Operations: Facilities Development & Management
Prepared By/Phone Ext: Facilities Development & Mgmt/Ext 3295 **Department Head Signature:** _____
Account No: BU11091200

A) Department Priority 6 of 10 **Useful Life** 30 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** _____

D) Total Positions 6 **Total FTEs** 3.8

Position Title	No. of Positions	FTEs	Salaries \$
<u>Professional/Inspection</u>	<u>2</u>	<u>0.9</u>	<u>63,050</u>
<u>Trades</u>	<u>4</u>	<u>2.9</u>	<u>171,875</u>
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 This is an ongoing program to keep the City's buildings in good operating condition to properly serve the public and to provide suitable facilities for City employees. The program includes information gathered from our FCIS (Facilities Condition Information System) Program for installing new equipment or replacing existing equipment necessary for the proper up to date operation of various building systems. Facility system include heating, ventilating, and air conditioning (HVAC), plumbing, fire protection, electrical distribution, lighting, chillers, boilers, computerized facility management, security and life/safety.

G) Additional Comments
 See Attached.

Capital Improvement Request Part II

Requesting Department: DPW/Operations: Facilities Development and Management

Project/Program Title: Facilities Systems Program Account No: BU11091200

Year	Special Assessment			Enterprise	Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue		
Remaining Balance for 2010	\$0				\$0
2011 Budget Request	\$1,020,000				\$1,020,000
2012 Projection	\$2,800,000				\$2,800,000
2013 Projection	\$2,800,000				\$2,800,000
2014 Projection	\$2,800,000				\$2,800,000
2015 Projection	\$2,800,000				\$2,800,000
2016 Projection	\$2,800,000				\$2,800,000
Total Six Year Cost	\$15,020,000	\$0	\$0	\$0	\$15,020,000
Total Project Cost	\$15,020,000	\$0	\$0	\$0	\$15,020,000

Life to Date Expenditures (Project Only)

\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:

- Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
- Limited Information 2011 2012 2013 2014 2015 2016
- Based on Cost of Similar Projects 2011 2012 2013 2014 2015 2016
- Unsupported 2011 2012 2013 2014 2015 2016

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: _____ In-Progress _____

Estimated Completion Date: _____ On-Going _____

Department Head Signature _____

Prepared By/Phone Ext _____

Facilities Development and Management/Ext 3295

FACILITIES SYSTEMS PROGRAM

This program is used to sustain the operating system including heating, ventilating and air-conditioning (HVAC), plumbing, fire protection, life safety, security, electrical distribution, lighting, and computerized building management systems in proper and efficient operating condition.

Buildings and Fleet Services is responsible for the upkeep of the systems in approximately 95 buildings. While we strive to keep these buildings operating under code compliance and as efficiently as possible this continues to be a challenge with the recent and current budgetary restrictions.

The following projects are for 2011:

City Hall Complex - Annual Electrical Switchgear Maintenance and Repair	\$60,000
Maintain and repair electrical systems on a regular schedule so that shutdowns are scheduled not emergencies.	
City Hall - Electrical Distribution and Code Compliance – Phase 3	\$250,000
Two new 1000 KVA Transformers were installed in the basement of City Hall in 2008 as Phase 1 of this electrical distribution and code compliance project and distribution up to the 4 th floor for Phase 2 is being completed in 2010.	
Zeidler Municipal Building – Emergency Egress Lighting	\$210,000
Provide new circuiting per floor that is required by code to provide necessary emergency lighting for all floors.	
Various locations – Block Heater repairs	\$30,000
Facilities Development and Management operates 400 engine block heaters, the heaters themselves, the distribution conduit and the support bollards are all subject to the harsh winter conditions causing regular replacement of this equipment.	
Various Sites – CCTV and Access Control Upgrades	\$140,000
Replace existing obsolete analog equipment with new digital technology	
Various Sites – Emergency Mechanical Repairs	\$150,000
Facilities Development and Management operates 256 air handling units, 212 heating units, 195 pumps, and 198 exhaust fans.	
Various Sites – Emergency Electrical Repairs	\$100,000
Facilities Development and Management operates 200 electrical switchgear and 400 electrical transformers.	
809 building – 4th Floor ERS Electrical Upgrades	\$80,000
The Employee Retirement System maintains critical computing equipment on the 4 th floor of the 809 building which requires redundant systems.	
Total	\$1,020,000

Capital Improvement Request Form Part I

Project/Program Title: Recreational Facilities Program **Requesting Department:** DPW/Infrastructure: Facilities Development and Management
Prepared By/Phone Ext: Facilities Development & Mgmt Ext 3409 **Department Head Signature:** _____
Account No: PR11111000

A) Department Priority 7 of 10 **Useful Life** 20 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** _____

D) Total Positions 2 **Total FTEs** _____

Position Title	Professional/Inspection	No. of Positions	FTEs	Salaries	\$
		<u>2</u>	<u>1.0</u>		<u>100,500</u>
_____		_____	_____		\$ _____
_____		_____	_____		\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 Milwaukee's strength lies in its neighborhoods and neighborhood recreational facilities can be the backbone of these neighborhoods. Through the improvement of neighborhood recreational facilities, which include DPW play areas, stand alone recreational sites owned by the City but operated and maintained by MPS and the neighborhood schools, the City can provide a positive outlet for youthful energy and social interaction.

G) Additional Comments
 See Attached.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Facilities Development and Management
Project/Program Title: Recreational Facilities Program

Account No.: PR11111000

Year	Special Assessment			Enterprise	Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue		
Remaining Balance for 2010					\$0
2011 Budget Request	\$489,500				\$489,500
2012 Projection	\$500,000				\$500,000
2013 Projection	\$500,000				\$500,000
2014 Projection	\$500,000				\$500,000
2015 Projection	\$500,000				\$500,000
2016 Projection	\$500,000				\$500,000
Total Six Year Cost	\$2,989,500	\$0	\$0	\$0	\$2,989,500
Total Project Cost	\$2,989,500	\$0	\$0	\$0	\$2,989,500

Life to Date Expenditures (Project Only)

\$0	\$0	\$0	\$0
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Available Cost Estimate:

Thorough Cost Estimate 2011 2012 2013 2014 2015 2016

Limited Information 2011 2012 2013 2014 2015 2016

Based on Cost of Similar Projects 2011 2012 2013 2014 2015 2016

Unsupported 2011 2012 2013 2014 2015 2016

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

Will city employees be performing any portion of the work? Yes No Uncertain

Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: In-Progress
 Estimated Completion Date: On-Going

Department Head Signature _____
 Prepared By/Phone Ext Facilities Development & Management/Ext 3409

Milwaukee's strength lies in its neighborhoods and neighborhood recreational facilities can be the backbone of these neighborhoods. Through the improvement of neighborhood recreation facilities, which include DPW play areas, stand alone recreation sites owned by the City but operated and maintained by MPS and the neighborhood schools, the City can provide a positive outlet for youthful energy and social interaction.

The City has 381 acres of recreational land worth approximately \$59 million (at \$150,000 per acre). The value of improvements to these sites is as follows:

34 Playfields = \$25.8 million (Includes 11 Comfort Stations, 22 Fieldhouses, 1 Recreation Center)
48 Neighborhood Play Areas = \$4.8 million

Land value = \$59 million

Total Value = \$92.4 million

The function of the play area is in constant flux created by changing recreation values and activities as the demographics of an area change. The use and age of the recreation site needs to be taken into account and the changes mandated by various governmental agencies.

Mandatory – Mandates and standards for Recreational Facilities concerning ADA compliance require that recreation sites be handicapped accessible. Field houses need to be remodeled and play areas need to be reconstructed to accommodate the mandates. The mandates and standards have been incorporated into the recreation sites being updated since 1992. The remodeling of the field houses and reconstruction of the play areas need to be programmed systematically to conform to these mandates and standards.

The CPSC guidelines and ADA requirements are being incorporated into the design of the play areas constructed to provide a safer site and to reduce the City's liability. The life span of paved sports areas (basketball courts, tennis courts, playgrounds) is approximately 15 – 20 years. After this time, these areas cannot be maintained by patching and must be reconstructed. The improvements need to be done and a systematic program has been developed to meet the needs. The cost of the improvements has increased because of the Federal guidelines and mandates.

The Recreational Facilities Program consists of the following projects for 2011:

Recreational Facilities Program
 Attachment 1 – page 2 of 2

Location	Description	Age Last Construction	Cost
Allis Street	Equipment Upgrade	1993	\$97,000
31 st & Lloyd	Reconstruction (ADA)	1993	\$79,000
Columbia (P-1)	Playground Reconstruction	1982	\$113,000
Auer Avenue	Basketball Court Reconstruction	1978	\$123,000
Various Sites	Non-Programmed		\$25,000
Engineering			<u>\$52,500</u>
			\$489,500

Facilities condition reports for the four locations where work is proposed are available upon request.

Capital Improvement Request Form Part I

Project/Program Title: Space Planning, Alterations & Engineering **Requesting Department:** DPW/Infrastructure: Facilities Development and Management
Prepared By/Phone Ext: Facilities Development & Mgmt Ext 3409 **Department Head Signature:** _____
Account No: BU110010800

A) Department Priority 9 of 10 **Useful Life** _____ **Years** **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
One Year Yes No
On-Going Program Yes No
Multi-Year Yes No **Number of Years** _____

D) Total Positions 4 **Total FTEs** 1.2

Position Title	No. of Positions	FTEs	Salaries
Professional/Inspection	2	0.9	\$ 66,286
Construction Trades	2	0.3	\$ 15,198
			\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 This program provides funds for architectural and engineering services related to office space studies, including preparation of preliminary plans and cost-estimates for proposed projects, unscheduled interior office alterations for City departments, and facility inspections.

G) Additional Comments
 See attached.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Facilities Development and Management

Project/Program Title: Space Planning, Alterations & Engineering

Account No.: BU110010800

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010	\$0					\$0
2011 Budget Request	\$166,000					\$166,000
2012 Projection	\$172,000					\$172,000
2013 Projection	\$178,000					\$178,000
2014 Projection	\$184,000					\$184,000
2015 Projection	\$190,000					\$190,000
2016 Projection	\$196,000					\$196,000
Total Six Year Cost	\$1,086,000	\$0	\$0	\$0	\$0	\$1,086,000
Total Project Cost	\$1,086,000	\$0	\$0	\$0	\$0	\$1,086,000

Life to Date Expenditures (Project Only)

	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:

- Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
- Limited Information 2011 2012 2013 2014 2015 2016
- Based on Cost of Similar Projects 2011 2012 2013 2014 2015 2016
- Unsupported 2011 2012 2013 2014 2015 2016

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

Will city employees be performing any portion of the work? Yes No Uncertain

Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____ In-Progress _____

Estimated Completion Date: _____ On-Going _____

Department Head Signature _____

Prepared By/Phone Ext _____

Facilities Development and Management/Ext 3409

Space Planning, Alterations & Engineering
Attachment 1 – page 1

This program provides funds for architectural and engineering services related to office space studies, including preparation of preliminary plans and cost estimates for proposed projects; unscheduled interior office alterations for City departments; and facility inspections.

This program consists of the following project areas:

1. Space Planning \$12,000

This fund provides for unprogrammed planning activities to study general office space needs and proposed alterations in various City facilities. Alteration funds necessary to accomplish proposed space needs changes are requested by various City agencies in Capital Improvements and O & M Budgets. This project area also provides funding to do a minimum level of updating of space usage plans and information updates which are used by DPW/Buildings and Fleet Services and other various City agencies. This information, for example, is used by the Comptroller's Office to establish rental rates for various City functions.

While no direct cost savings from the above items can be shown, an associated benefit to long term planning and budgeting is better market conditions when borrowing funds for the major City Hall Complex alterations.

2. General Departmental Reorganization Alterations \$84,000

This fund provides for unprogrammed office alterations generated by adjustments to agencies' needs due to personnel or equipment changes incorporated in their annual budgets. Since the Capital Program estimates are completed before detailed requests are available, alteration costs to accommodate these changes cannot be included in the Capital Program as specific projects.

Since specific projects are unknown at this time, no specific operating savings can be determined as efficiencies, however, by making the minor changes in a timely fashion, the savings as projected by the operating agencies can be realized at the earliest possible date. The types of projects usually undertaken from this fund do not produce any revenue.

3. General Engineering and Facilities Inspections \$70,000

This fund provides for unprogrammed engineering services we provide to various City agencies. Engineering services are often requested during the course of the year. In the past we would charge this time to our programmed projects or various operation and maintenance work. This practice takes away valued engineering time from our regularly scheduled work and projects. This fund provides a minimum level of engineering time spent by our staff for unscheduled projects.

An associated benefit from this fund is a long term commitment to our infrastructure and needed expenditures which will assist in City fiscal planning.

This fund provides for the salaries and consultant fees that are used to develop our facilities programs and provide the important supporting data for our Facilities Condition Information System. (FCIS) These inspections are required by the financial reporting model GASB 34. The Department has 95 buildings for which it is directly responsible.

Capital Improvement Request Form Part I

Project/Program Title: ZMB-Lower Parking Floor Restoration **Requesting Department:** DPW/Infrastructure: Facilities Development and Management
Prepared By/Phone Ext: Facilities Development & Mgmt/Ext 3409 **Department Head Signature:** _____
Account No: _____

A) Department Priority SP-3 of SP-6 **Useful Life** 50 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** _____

D) Total Positions 2 **Total FTEs** 0.7

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>2</u>	<u>0.7</u>	\$ <u>49,003</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 In 2008 DPW Infrastructure's structural engineers investigated the condition of the Zeidler Municipal Building's Lower Parking garage floor. Their report indicated that the garage floor (an 8" structural concrete slab covered with a waterproofing membrane and a topping slab ranging from 2-7 inches in thickness) is beginning to deteriorate structurally because the topping slab/waterproofing are not in good condition. The report states that the garage slab needs to be restored at this time to prevent any further structural degradation. Funding in 2010 was for the projects profession design services. Fund for construction is being requested in 2011.

G) Additional Comments
 NOTE: Condition Report available on request.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Facilities Development and Management

Project/Program Title: ZMB-Lower Parking Floor Restoration **Account No.:** _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010	\$0					\$0
2011 Budget Request	\$1,530,000					\$1,530,000
2012 Projection	\$0					\$0
2013 Projection	\$0					\$0
2014 Projection	\$0					\$0
2015 Projection	\$0					\$0
2016 Projection	\$0					\$0
Total Six Year Cost	\$1,530,000	\$0	\$0	\$0	\$0	\$1,530,000
Total Project Cost	\$1,530,000	\$0	\$0	\$0	\$0	\$1,530,000

Life to Date Expenditures (Project Only)

	2011	2012	2013	2014	2015	2016
Available Cost Estimate:						
Thorough Cost Estimate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were cost estimates confirmed by another source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Uncertain
Are cost estimates based on industry standards?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Uncertain
Will city employees be performing any portion of the work?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Uncertain
Did you perform a cost/benefit analysis?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Uncertain
How will this project impact city operating expenditures?	<input type="checkbox"/> Increase	<input type="checkbox"/> Decrease	<input type="checkbox"/> None	<input type="checkbox"/> None	<input type="checkbox"/> None	<input type="checkbox"/> None

Available Cost Estimate:

- Thorough Cost Estimate
 - Limited Information
 - Based on Cost of Similar Projects
 - Unsupported
- Were cost estimates confirmed by another source?
 Are cost estimates based on industry standards?
 Will city employees be performing any portion of the work?
 Did you perform a cost/benefit analysis?

How will this project impact city operating expenditures?

Estimated Start Date: 01/01/11

Estimated Completion Date: 12/31/11

Department Head Signature _____

Prepared By/Phone Ext _____

Facilities Development and Management/X3409

Capital Improvement Request Form Part I

Project/Program Title: Energy Efficiency & Renewable Energy **Requesting Department:** DPW/Infrastructure: Facilities Development & Mgmt
Prepared By/Phone Ext: Facilities Development & Mgmt Ext 3409 **Department Head Signature:** _____
Account No: _____

A) Department Priority SP-4 of SP-6 **Useful Life** 20 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** **Ongoing**

D) Total Positions 3 **Total FTEs** 0.7

Position Title	Professional/Inspection	No. of Positions	FTEs	Salaries	\$
	2	0.5		32,975	
	1	0.2		13,100	
					\$

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 This program will be used for projects identified by previously conducted energy audits. The projects highlighted in the energy audits for immediate implementation (Tier 1) have been completed. The next phase of the energy audits (Tier 2) will capture additional energy savings required to meet our 15% energy reduction goal. Other energy reduction initiatives and renewable energy projects will also be put into service. Buildings and Fleet will use this funding for grant matching funding where grants can be secured.

G) Additional Comments
 The following projects are for 2011:
 809 Building Heat Pump Chiller and electrical efficiency upgrades yielding up to a 10 year payback. Preliminary Facilities Report available upon request. \$950,000
 Central Repair Garage - 30 KW Photovoltaic (Solar Power) System \$150,000
 This site has the unobstructed rooftop space available and energy usage needs to support this project. This is the City's portion of the cost after Focus on Energy and WE energies grants for a \$350,000 project.
Total **\$1,100,000**

Capital Improvement Request Part II

Requesting Department: DPE/Infrastructure: Facilities Development and Management
Project/Program Title: Energy Efficiency & Renewable Energy Initiative Program **Account No.:** _____

Year	Special Assessment			Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	
Remaining Balance for 2010				\$0
2011 Budget Request	\$1,100,000			\$1,100,000
2012 Projection	\$800,000			\$800,000
2013 Projection	\$850,000			\$850,000
2014 Projection	\$900,000			\$900,000
2015 Projection	\$950,000			\$950,000
2016 Projection	\$1,000,000			\$1,000,000
Total Six Year Cost	\$5,600,000	\$0	\$0	\$5,600,000
Total Project Cost	\$5,600,000	\$0	\$0	\$5,600,000

Life to Date Expenditures (Project Only) \$0 \$0 \$0 \$0 \$0

Available Cost Estimate:

Thorough Cost Estimate 2011 2012 2013 2014 2015 2016

Limited Information 2011 2012 2013 2014 2015 2016

Based on Cost of Similar Projects 2011 2012 2013 2014 2015 2016

Unsupported 2011 2012 2013 2014 2015 2016

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

Will city employees be performing any portion of the work? Yes No Uncertain

Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____ In Progress

Estimated Completion Date: _____ On-Going

Department Head Signature _____
 Prepared By/Phone Ext Facilities Development & Management Ext 3409

Capital Improvement Request Form Part I

Project/Program Title: Building Exterior Façade Restoration **Requesting Department:** DPW/Infrastructure: Facilities Development and Management
Prepared By/Phone Ext: Facilities Development & Mgmt X3409 **Department Head Signature:** _____
Account No: _____

A) Department Priority SP-5 of SP-6 **Useful Life** 20 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** 5

D) Total Positions 2 **Total FTEs** 0.4

Position Title	Professional/Inspection	No. of Positions	FTEs	Salaries	\$
		<u>2</u>	<u>0.4</u>		<u>26,100</u>
					\$ _____
					\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 In 2001 the City's Department of Neighborhood Services(DNS) enacted City Ordinance #275-32-13 requiring the In owner of any building in the City of Milwaukee that is 5 stories or greater to have a critical exam completed to determine if the facade of their building is in a safe condition. In 2006 Buildings & Fleet Services had a consulting firm (INSPEC) do a critical exam of the exterior facade of the Anderson Tower/Municipal Building(ATMB), the Zeidler Municipal Building(ZMB) and the Police Administration Building(PAB). In addition, INSPEC also inspected the 809 Broadway Building's(809) exterior facade. The results of these exams showed that the ATMB and ZMB had unsafe conditions that needed to be addressed immediately and that all four buildings' exterior facade needed repair/restoration work done to prevent further deterioration and future unsafe conditions.

G) Additional Comments
 In 2008 we corrected the ZMB's unsafe condition and provided temporary protection at the ATMB while awaiting 2009 approved funding to correct the condition. This program would address the repair/restoration work that is still needed on the ZMB, 809 and PAB buildings. Funding for this program is requested to begin in 2011 with the Zeidler Municipal Building Exterior Façade Restoration.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Facilities Development and Management

Project/Program Title: Building Exterior Façade Restoration

Account No.:

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010	\$0					\$0
2011 Budget Request	\$385,400					\$385,400
2012 Projection	\$584,900					\$584,900
2013 Projection	\$521,300					\$521,300
2014 Projection	\$494,600					\$494,600
2015 Projection	\$173,100					\$173,100
2016 Projection	\$0					\$0
Total Six Year Cost	\$2,159,300	\$0	\$0	\$0	\$0	\$2,159,300
Total Project Cost	\$2,159,300	\$0	\$0	\$0	\$0	\$2,159,300

Life to Date Expenditures (Project Only)

2011	2012	2013	2014	2015	2016
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
- Limited Information 2011 2012 2013 2014 2015 2016
- Based on Cost of Similar Projects 2011 2012 2013 2014 2015 2016
- Unsupported 2011 2012 2013 2014 2015 2016

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: 01/01/11

Estimated Completion Date: 12/31/15

Department Head Signature

Prepared By/Phone Ext

Facilities Development & Management/Ext 3409

Capital Improvement Request Form Part I

Project/Program Title: Information Technology Equipment Room **Requesting Department:** DPW/Infrastructure: Facilities Development and Management
Prepared By/Phone Ext: Facilities Development & Mgmt X3409 **Department Head Signature:** _____
Account No: _____

A) Department Priority SP-2 of SP-6 **Useful Life** 10 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** _____

D) Total Positions 3 **Total FTEs** 0.4

Position Title	No. of Positions	FTEs	Salaries
Professional/Inspection	<u>2</u>	<u>0.2</u>	\$ <u>15,105</u>
Trades	<u>1</u>	<u>0.2</u>	\$ <u>13,000</u>
			\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 Throughout the City Hall Complex and possibly in other City buildings small data closets or computer rooms have morphed into full scale Information Technology Data Rooms. Recent building codes have identified these rooms for special and specific construction, power, fire suppression, and ventilation requirements. This program will investigate the current definition of an information technology equipment room, determine which rooms throughout the City that meet this definition, and make the necessary upgrades to these rooms to bring them within code compliance. **DPW Buildings and Fleet Services will partner with DPW Administrative Services In this Investigation.**
 Issue: Most data rooms are near capacity or will no longer be able to meet the power and cooling requirements of the IT systems.

G) Additional Comments
 "Power consumption of a rack fully equipped with blade servers will increase from 15KW (2005) TO APPROACHING 52KW (2011). Resulting in higher power demands both for hardware and cooling needs" (The Gartner Group)

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Facilities Development and Management

Project/Program Title: Information Technology Equipment Room Compliance Program

Account No.: _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request	\$150,000					\$150,000
2012 Projection	\$250,000					\$250,000
2013 Projection	\$50,000					\$50,000
2014 Projection						\$0
2015 Projection						\$0
2016 Projection						\$0
Total Six Year Cost	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Total Project Cost	\$450,000	\$0	\$0	\$0	\$0	\$450,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Were cost estimates confirmed by another source?
 Yes No Uncertain
- Are cost estimates based on industry standards?
 Yes No Uncertain
- Will city employees be performing any portion of the work?
 Yes No Uncertain
- Did you perform a cost/benefit analysis?
 Yes No Uncertain

How will this project impact city operating expenditures?
 Increase Decrease None

Estimated Start Date: 01/15/11
 Estimated Completion Date: 09/15/13

Department Head Signature _____
 Prepared By/Phone Ext _____ Facilities Development and Management/Ext 3409

DATA ROOM BEST PRACTICES

- Lower the carbon footprint of IT environment.
- Green design that includes sealed cabinets and ultrasonic humidification can yield major reduction in energy consumption.
- Work with Facilities to incorporate High Density Data Rooms while optimizing cooling equipment and strategies
 - High density data rooms using virtualization technologies (results in three times more computing capacity per square foot than average data room).
 - Virtualization helps one server do the work of two or more machines by running multiple copies of operating systems and application programs. That could save money on space, **Electrical power both from Server Operation and cooling needs, and IT Tech Staff.**
- Utilizing Cold Isle – Hot Isle arrangements, free-cooling bypass.

Capital Improvement Request Form Part I

Project/Program Title: Environmental Services Facility Mods **Requesting Department:** DPW - Operations - Sanitation

Prepared By/Phone Ext: Wanda Booker - X2332 **Department Head Signature:** _____

Account No: BU11091100

A) Department Priority _____ of _____ **Useful Life** _____ **Years** **Level of Need** Essential Important Desired

Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined

On-Going Program

B) Description

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation

Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility

ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other _____

C) Project/Program Duration

One Year Yes No

On-Going Program Yes No

Multi-Year Yes No **Number of Years** _____

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries \$
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification

The 2006 Environmental Services facility study outlined renovation to several City sites that could net savings of approx. \$2 million from cost avoidance and sale of vacated properties. Funding of \$2.8 million requested in 2011 will renovate the former Water Works facility at 37th & Lincoln. The Forestry yard at 21st & Holt and the Sanitation yard at 35th & Hayes would be consolidated into a joint Environmental Services facility at 37th & Lincoln. Once the consolidation is complete, the Forestry yard at 21st & Holt would be declared surplus and made available for sale. Appraised value of 21st & Holt site is \$1 million.

G) Additional Comments

If this project does not move forward, the Sanitation yard at 35th & Hayes is in dire need of upgrade. There is currently deferred maintenance in excess of \$400,000 at this site and it is not conducive to efficient operation, especially the general office area where space is limited. The out year requests are place holders for facility improvements at Sanitation's six district yards.

Capital Improvement Request Part II

Requesting Department: DPW Operations - Sanitation Account No: BU11091100
Project/Program Title: Environmental Services Facility Modifications

Year	Special Assessment			Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	
Remaining Balance for 2010	\$470,000			\$470,000
2011 Budget Request	\$2,800,000			\$2,800,000
2012 Projection	\$1,000,000			\$1,000,000
2013 Projection	\$1,000,000			\$1,000,000
2014 Projection	\$1,000,000			\$1,000,000
2015 Projection	\$1,000,000			\$1,000,000
2016 Projection	\$1,000,000			\$1,000,000
Total Six Year Cost	\$7,800,000	\$0	\$0	\$7,800,000
Total Project Cost	\$8,270,000	\$0	\$0	\$8,270,000

Life to Date Expenditures (Project Only)

\$0	\$0	\$0	\$0
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Available Cost Estimate:

Thorough Cost Estimate	2011	2012	2013	2014	2015	2016
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source? Yes No Uncertain
 Are cost estimates based on industry standards? Yes No Uncertain
 Will city employees be performing any portion of the work? Yes No Uncertain
 Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____
 Estimated Completion Date: _____

Department Head Signature _____
 Prepared By/Phone Ext _____

Capital Improvement Request Form Part I

Project/Program Title: Facility Relocation Requesting Department: DPW - Operations - Sanitation
 Prepared By/Phone Ext: Wanda Booker X2332 Department Head Signature: _____

A) **Account No:** _____

A) Department Priority 1 of 1 Useful Life _____ Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program Project/Program Scope Fully Defined Partially Defined

B) **Description**

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other _____

C) **Project/Program Duration**

One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No Number of Years 3

D) **Total Positions** _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries	\$
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

E) **In Six Year Capital Improvement Plan**

Yes 2009-2014 2010-2015 Yes, Modified New Request

F) **Project/Program Justification**

The City (DCD) has agreed to relocate the combined Sanitation/Forestry facility, self help and transfer station from 67th & Industrial Road to a suitable site not yet determined to accommodate expansion plans of Direct Supply, Inc. At any time from now through December 13, 2014, Direct Supply can exercise the option to relocate us. Preliminary estimates of relocating the facility are \$13,500,000. The City is responsible for 50% of the relocation costs. DPW is including \$1.7 million in 2011 request for site acquisition, planning and design and approximately \$5.1 million in 2012 for construction of a new facility.

G) **Additional Comments**

Capital Improvement Grant Request Part II

Requesting Department: DPW - Operations - Sanitation

Project/Program Title: Facility Relocation

Account No: _____

Year	Tax Levy/Borrowing		Grant & Aid		Revenue		Special Assessment		Enterprise		Total Cost
Remaining Balance for 2010											\$0
2011 Budget Request	\$1,700,000										\$1,700,000
2012 Projection	\$5,100,000										\$5,100,000
2013 Projection											\$0
2014 Projection											\$0
2015 Projection											\$0
2016 Projection											\$0
Total Six Year Cost	\$6,800,000		\$0				\$0			\$0	\$6,800,000
Total Project Cost	\$6,800,000		\$0				\$0			\$0	\$6,800,000

Life to Date Expenditures (Project Only)

2011	2012	2013	2014	2015	2016
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
- Limited Information 2011 2012 2013 2014 2015 2016
- Based on Cost of Similar Projects 2011 2012 2013 2014 2015 2016
- Unsupported 2011 2012 2013 2014 2015 2016

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: 01/01/11

Estimated Completion Date: 12/31/12

Department Head Signature

Prepared By/Phone Ext

Wanda Booker X2332

Capital Improvement Request Form Part I

Project/Program Title: Self Help Scales Requesting Department: DPW - Operations - Sanitation
 Prepared By/Phone Ext: Wanda Booker - X2332 Department Head Signature: _____

A. Budget No: _____

A) Department Priority _____ of _____ Useful Life _____ Years Level of Need Essential Important Desired
 Type of Project New Replacement Repair On-Going Program Project/Program Scope Fully Defined Partially Defined

B) Description

Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking

Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodelling New Building Elevators Garage Mechanical

Miscellaneous Development
 Economic Information Systems Equipment Other site improvements

C) Project/Program Duration

One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No Number of Years _____

D) Total Positions _____ Total FTEs _____

Position Title	No. of Positions	FTEs	Salaries \$
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 The 2010 budget directs Sanitation to implement a charge for construction debris brought to self help stations. Phase 1 involves charging a flat fee per load (\$15). Phase 2 involves charging each load based on weight. The installation of inbound and outbound scales at our two self help sites will enable a fair cost recovery for construction debris. We anticipate once the scales are in, we can charge for all landfill waste.

G) Additional Comments

Capital Improvement Budget Request Part II

Requesting Department: DPW Operations - Sanitation

Project/Program Title: Self Help Scales Account No: _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010	\$470,000					\$470,000
2011 Budget Request	\$530,000					\$530,000
2012 Projection						\$0
2013 Projection						\$0
2014 Projection						\$0
2015 Projection						\$0
2016 Projection						\$0
Total Six Year Cost	\$530,000	\$0	\$0	\$0	\$0	\$530,000
Total Project Cost	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000

Life to Date Expenditures (Project Only)

2011	2012	2013	2014	2015	2016
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate
- Limited Information
- Based on Cost of Similar Projects
- Unsupported

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: _____

Estimated Completion Date: _____

Department Head Signature _____

Prepared By/Phone Ext _____

Capital Improvement Request Form Part I

Project/Program Title: Concealed Irrigation/General Landscaping **Requesting Department:** DPW Operations - Env. Services Forestry
Prepared By/Phone Ext: David Sivyer, x3729 **Department Head Signature:** _____
Account No: _____

A) Department Priority 2 of 3 **Useful Life** 40 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other Directly tied to the City's Paving Program

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** _____

D) Total Positions 7 **Total FTEs** 3.5

Position Title	No. of Positions	FTEs	Salaries
<u>Irrigation Professionals</u>	<u>2</u>	<u>1.5</u>	\$ <u>153,545</u>
<u>Urban Forestry Specialists</u>	<u>2</u>	<u>1.0</u>	\$ <u>73,567</u>
<u>Urban Forestry Manager</u>	<u>3</u>	<u>1.0</u>	\$ <u>125,660</u>

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 This program replaces infrastructure related to irrigation and landscaped boulevard medians in conjunction with the City's Paving Program.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW Operations - Environmental Services - Forestry

Project/Program Title: Concealed Irrigation and General Landscaping

Account No.: PR581080300

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request	\$460,000					\$460,000
2012 Projection	\$750,000					\$750,000
2013 Projection	\$750,000					\$750,000
2014 Projection	\$750,000					\$750,000
2015 Projection	\$750,000					\$750,000
2016 Projection	\$750,000					\$750,000
Total Six Year Cost	\$4,210,000	\$0	\$0	\$0	\$0	\$4,210,000
Total Project Cost	\$4,210,000	\$0	\$0	\$0	\$0	\$4,210,000

Life to Date Expenditures (Project Only)

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:

- Thorough Cost Estimate 2011 2012 2013 2014 2015 2016
- Limited Information 2011 2012 2013 2014 2015 2016
- Based on Cost of Similar Projects 2011 2012 2013 2014 2015 2016
- Unsupported 2011 2012 2013 2014 2015 2016

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

Will city employees be performing any portion of the work? Yes No Uncertain

Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: 03/01/01

Estimated Completion Date: 12/01/01

Department Head Signature

Prepared By/Phone Ext

David Sivyer, X3729

Capital Improvement Request Form Part I

DPW Operations - Env. Serv. -
Forestry

Project/Program Title: Tree Planting and Production

Requesting Department: _____

Prepared By/Phone Ext: David Sivyer, X3729

Department Head Signature: _____

Account No: _____

A) Department Priority 1 of 3 Useful Life N/A Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program

Project/Program Scope Fully Defined Partially Defined

B) Description

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation

Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility

ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other Directly tied to City's Paving and Street Tree Replacement programs

C) Project/Program Duration

One Year Yes No

On-Going Program Yes No

Multi-Year Yes No Number of Years _____

D) Total Positions 38 Total FTEs 12.5

Position Title	No. of Positions	FTEs	Salaries
Urban Forestry Staff	30	7.5	\$ 630,679.00
Technician	1	1.0	\$ 88,669.00
Nursery Staff	7	4.0	\$ 287,748.00

E) In Six Year Capital Improvement Plan

Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification

This request for 5,905 trees includes the replacement of 211 street trees removed in street construction projects completed in 2009; replacement of 3,244 diseased or dead street trees removed in 2009, and 2,450 new trees to be planted on boulevards in conjunction with the Sustainable Boulevard Plan. The Environmental Services section of the Operation's Division has identified a 98% street tree stocking goal and improved street tree diversity to protect the City against catastrophic street tree losses from Emerald Ash Borer and other threatening pests and diseases as a short and long range outcome. Reductions in this program will result in a loss of urban tree canopy, reduced property values and neighborhood quality, and increases in storm water runoff, energy consumption, and air pollution. Reductions will also eliminate trees and other landscape improvements that have been promised during construction discussions with property owners, neighborhood associations and respective aldermen.

G) Additional Comments

Year 2011 request includes \$332,500 for the planting of 950 trees reduced from 2010 request for the Sustainable Boulevard Plan, plus \$525,000 for the scheduled planting of 1,500 boulevard trees in 2011. Year 2012 - 2016 projection includes \$577,500 annually for the planting of an additional 1,650 trees to replace the projected removal of 5% of the City's 33,000 ash street trees (1,650 trees) annually in conjunction with the City's Emerald Ash Borer management strategy.

Capital Improvement Request Part II

Requesting Department: DPW Operations - Environmental Services - Forestry

Project/Program Title: Tree Planting and Production

Account No: PR58181000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request	\$2,300,000					\$2,300,000
2012 Projection	\$2,077,500					\$2,077,500
2013 Projection	\$2,077,500					\$2,077,500
2014 Projection	\$2,077,500					\$2,077,500
2015 Projection	\$2,077,500					\$2,077,500
2016 Projection	\$2,077,500					\$2,077,500
Total Six Year Cost	\$12,687,500	\$0	\$0	\$0	\$0	\$12,687,500
Total Project Cost	\$12,687,500	\$0	\$0	\$0	\$0	\$12,687,500

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: 03/01/11

Estimated Completion Date: 12/01/11

Department Head Signature _____

Prepared By Phone Ext David Sivyer, X3729

Capital Improvement Request Form Part I

Project/Program Title: Emerald Ash Borer Readiness and Response **Requesting Department:** DPW Operations - Env. Serv - Forestry
Prepared By/Phone Ext: David Sivyer, X3729 **Department Head Signature:** _____
Account No: PR58180600

A) Department Priority 3 of 3 **Useful Life** N/A Years **Level of Need** Essential Important Desired

Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other Prevents increases in stormwater runoff and energy use and decreases in property values and air quality.

C) Project/Program Duration

One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** _____

D) Total Positions 15 **Total FTEs** 5.0

Position Title	No. of Positions	FTEs	Salaries
<u>Urban Forestry Specialists</u>	<u>12</u>	<u>4.0</u>	<u>\$ 282,515.00</u>
<u>Urban Forestry Manager</u>	<u>3</u>	<u>1.0</u>	<u>\$ 125,660.00</u>
			<u>\$ _____</u>

E) In Six Year Capital Improvement Plan

Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification

Milwaukee's 193,000 street trees constitute a 280 million dollar capital asset. Emerald Ash Borer has been confirmed in Milwaukee County and is responsible for killing over 50 million ash trees in the Midwest. Risk assessment work completed by the Forestry Section has identified 33,000 ash street trees having a capital asset value of \$47 million and representing 17% of Milwaukee's street tree population, plus an additional 540,000 ash trees city wide at risk to Emerald Ash Borer. To manage public risk associated with an EAB infestation, the Forestry Section plans to inject 1/2 of the ash street tree population annually while transitioning to resistant species over time. Biannual pesticide injections in advance of EAB attack have proven highly effective in protecting ash trees.

G) Additional Comments

The cost to remove and replace the city's 33,000 ash street trees approximates \$23 million. In the absence of treatment, an estimated 3,600 ash street trees will be killed annually by EAB. The removal and replacement costs for 3,600 trees annually would approximate \$2.7 million.

Capital Improvement Request Part II

Requesting Department: DPW Operations - Environmental Services - Forestry

Project/Program Title: Emerald Ash Borer Readiness and Response

Account No: PR58180600

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request	\$830,000					\$830,000
2012 Projection	\$850,000					\$850,000
2013 Projection	\$850,000					\$850,000
2014 Projection	\$850,000					\$850,000
2015 Projection	\$850,000					\$850,000
2016 Projection	\$850,000					\$850,000
Total Six Year Cost	\$5,080,000	\$0	\$0	\$0	\$0	\$5,080,000
Total Project Cost	\$5,080,000	\$0	\$0	\$0	\$0	\$5,080,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: 02/01/10

Estimated Completion Date: 10/01/10

Department Head Signature _____

Prepared By/Phone Ext David Sivyer, X3729

Capital Improvement Request Form Part I

Project/Program Title: Major Capital Equipment Replacement **Requesting Department:** DPW/Operations: Fleet Services Section
Prepared By/Phone Ext: Fleet Operations Manager, x2459 **Department Head Signature:** _____
Account No: BU110101100

A) Department Priority _____ of _____ **Useful Life** _____ **Years** **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** _____

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries \$
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2011-2016 2012-2017 Yes, Modified New Request

F) Project/Program Justification
 This project replaces fleet equipment that are of sufficient age and wear that their annual cost of maintenance exceeds their annual cost of replacement. All fleet vehicles have been evaluated for condition and age and a fleet replacement schedule has been developed. Implementation of this schedule minimizes down time and achieves the most affordable balance of maintenance and replacement costs.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW/Operations: Fleet Services Section

Project/Program Title: Major Capital Equipment Replacement

Account No: BU110101100

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request	\$12,982,000					\$12,982,000
2012 Projection	\$11,949,350					\$11,949,350
2013 Projection	\$11,651,925					\$11,651,925
2014 Projection	\$13,206,950					\$13,206,950
2015 Projection	\$14,108,540					\$14,108,540
2016 Projection	\$13,776,150					\$13,776,150
Total Six Year Cost	\$77,674,915	\$0	\$0	\$0	\$0	\$77,674,915
Total Project Cost	\$77,674,915	\$0	\$0	\$0	\$0	\$77,674,915

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: In-Progress

Estimated Completion Date: On-Going

Department Head Signature _____

Prepared By/Phone Ext Fleet Operations Manager, x2459

6-Year Capital Plan Fleet Services Section

Equipment Name	Units	2011 Dollars
Backhoe/Loader	3	330,000.00
Sweeper	3	510,000.00
Tractor, Light, Multi-Purpose	6	510,000.00
Tractor, Front-End Wheel Loader	5	625,000.00
Tractor, Trencher w/Breaker, Trailer	1	60,000.00
Truck, Aerial, 36 Foot	3	480,000.00
Truck, Aerial, 50 Foot, Utility Body	1	165,000.00
Truck, Aerial, 50 Foot, Chip Box	1	165,000.00
Truck, Digger-Derrick	1	200,000.00
Truck, Dump, 2-Yard w/Compressor	2	220,000.00
Truck, Dump, 5 Yard	4	440,000.00
Truck, Dump, 5 Yard, Crew Cab	2	190,000.00
Truck, Dump, 5 Yard w/Underbody Plow	8	1,280,000.00
Truck, Dump, 16 Yard	5	700,000.00
Truck, Log Loader	1	180,000.00
Truck, Packer, 20 Yard Rear Load Container	2	260,000.00
Truck, Packer, 25 Yard Rearload	8	2,080,000.00
Truck, Packer, 25 Yard Rearload w/Ramp Lift Arm	3	795,000.00
Truck, Packer, 25 Yard Recycle	7	1,820,000.00
Truck, Packer, 31 Yard Top Load	2	480,000.00
Truck, Pickup, Utility	8	432,000.00
Truck, Platform/Compressor/Salter/Plow	3	240,000.00
Truck, Roll-Off	4	640,000.00
Truck, Van, Step	2	180,000.00
 Capital Plan - 2011	 <hr style="width: 100%; border: 0.5px solid black;"/>	 <hr style="width: 100%; border: 0.5px solid black;"/>
	85	12,982,000

6-Year Capital Plan Fleet Services Section

Equipment Name	Units	2012 Dollars
Backhoe/Loader	2	226,600.00
Street Sweeper	4	700,400.00
Tractor, Trencher w/Breaker, Trailer	2	123,600.00
Tractor, Wheel Loader	2	257,500.00
Truck, Aerial, 24 Foot Lift	2	288,400.00
Truck, Aerial, 36 Foot Lift	3	494,400.00
Truck, Aerial, 50 Foot Lift	3	509,850.00
Truck, Derrick-Digger	1	206,000.00
Truck, Dump, 5 Yard	3	339,600.00
Truck, Dump, 5 Yard, Crew Cab	2	195,700.00
Truck, Dump, 5 Yard w/Underbody Plow	10	1,648,000.00
Truck, Dump, 16 Yard Tri-Axle	3	434,600.00
Truck, Log Loader	1	185,400.00
Truck, Packer, 25 Yard Rearload	12	3,213,600.00
Truck, Packer, 25 Yard w/Ramp Lift Arm	2	545,900.00
Truck, Packer, 25 Yard Recycle	6	1,606,800.00
Truck, Packer, 31 Yard Top Load	2	494,400.00
Truck, Platform, Stake	4	340,000.00
Truck, Road Patcher	1	225,000.00
Truck, Roll-Off	1	164,800.00
Truck, Tree Spade	1	80,000.00
Truck, Vac-All	1	225,000.00
Truck, Van, Step/Cube	4	370,800.00
 Capital Plan - 2012	 <hr style="width: 100%; border: 0.5px solid black;"/>	 <hr style="width: 100%; border: 0.5px solid black;"/>
	72	11,949,350.00

6-Year capital Plan Fleet Services Section

Equipment Name	Units	2013 Dollars
Backhoe/Loader	2	233,400.00
Crane, Sidewalk Excavating	1	360,700.00
Street Sweeper	3	540,000.00
Tractor, Light, Multi-Purpose	5	450,800.00
Tractor, Trencher w/Breaker, Trailer	3	190,900.00
Tractor, Wheel Loader	2	265,225.00
Truck, Aerial, 24 Foot Lift	1	150,500.00
Truck, Aerial, 36 Foot Lift	2	340,500.00
Truck, Aerial, 50 Foot Lift	2	350,000.00
Truck, Dump, 2 Yard	6	605,700.00
Truck, Dump, 2 Yard w/Compressor	1	116,700.00
Truck, Dump, 5 Yard	3	350,000.00
Truck, Dump, 5 Yard w/Underbody Plow	10	1,700,450.00
Truck, Dump, 5 Yard, Crew Cab	2	201,500.00
Truck, Dump, 16 Yard Tri-Axle	3	445,500.00
Truck, Log Loader	1	190,950.00
Truck, Packer, 25 Yard Rearload	12	3,310,000.00
Truck, Packer, 25 Yard w/Ramp Lift Arm	2	560,300.00
Truck, Packer, 25 Yard Recycle	6	1,650.00
Truck, Platform/Compressor/Salter/Plow	2	170,750.00
Truck, Platform, Stake	2	170,000.00
Truck, Roll-Off	2	340,500.00
Truck, Vac-All	1	225,000.00
Truck, Van, Step/Cube	4	380,900.00
 Capital Plan - 2013	 <hr/> 78	 <hr/> 11,651,925.00

6-Year Capital Plan Fleet Services Section

Equipment Name	Units	2014 Dollars
Backhoe/Loader	2	240,400.00
Street Sweeper	3	560,000.00
Tractor, Trencher w/Breaker, Trailer	3	196,700.00
Tractor, Wheel Loader	2	275,000.00
Truck, Aerial, 24 Foot Lift	1	153,000.00
Truck, Aerial, 36 Foot Lift	2	350,000.00
Truck, Aerial, 50 Foot Lift	3	540,000.00
Truck, Derrick-Digger	1	220,000.00
Truck, Dump, 2 Yard	6	622,950.00
Truck, Dump, 2 Yard w/Compressor	2	240,400.00
Truck, Dump, 5 Yard	4	480,800.00
Truck, Dump, 5 Yard w/Underbody Plow	10	1,750,400.00
Truck, Dump, 16 Yard Tri-Axle	2	306,000.00
Truck, Packer, 20 Yard Rear Load Container	1	145,000.00
Truck, Packer, 25 Yard Rearload	12	3,400,300.00
Truck, Packer, 25 Yard w/Ramp Lift Arm	2	580,000.00
Truck, Packer, 25 Yard Recycle	5	1,400,500.00
Truck, Platform/Compressor/Salter/Plow	6	525,500.00
Truck, Platform, Stake	4	340,000.00
Truck, Roll-Off	1	175,000.00
Truck, Vac-All	1	225,000.00
Truck, Van, Step/Cube	4	395,000.00
File Server	1	85,000.00
 Capital Plan - 2014	 <hr style="width: 100%;"/>	 <hr style="width: 100%;"/>
	78	13,206,950.00

6-Year Capital Plan Fleet Services Section

Equipment Name	Units	2015 Dollars
Street Sweeper	2	385,000.00
Tractor, Light, Multi-Purpose	8	765,350.00
Tractor, Trencher w/Breaker, Trailer	2	135,000.00
Truck, Aerial, 36 Ft Personnel Lift	2	360,000.00
Truck, Aerial, 50 Foot Lift	3	560,000.00
Truck, Derrick-Digger	1	225,000.00
Truck, Dump, 2 Yard	6	641,540.00
Truck, Dump, 2 Yard w/Compressor	2	250,600.00
Truck, Dump, 5 Yard	3	371,500.00
Truck, Dump, 5 Yard, Crew Cab	1	106,900.00
Truck, Dump, 5 Yard w/Underbody Plow	9	1,620,750.00
Truck, Dump, 16 Yard Tri-Axle	2	315,000.00
Truck, Packer, 25 Yard Rearload	12	3,500,500.00
Truck, Packer, 25 Yard w/Ramp Lift Arm	2	600,500.00
Truck, Packer, 25 Yard Recycle	6	1,755,900.00
Truck, Packer, 20Yd Rear Load Container	2	900,000.00
Truck, Pickup, Utility	6	365,000.00
Truck, Platform/Compressor/Salter/Plow	4	360,000.00
Truck, Roll-Off	2	360,000.00
Truck, Vac-All	1	225,000.00
Truck, Van, Step/Cube	3	305,000.00
 Capital Plan - 2015	 <hr style="width: 100%; border: 0.5px solid black;"/>	 <hr style="width: 100%; border: 0.5px solid black;"/>
	79	14,108,540.00

6-Year Capital Plan Fleet Services Section

Equipment Name	Units	2016 Dollars
Street Sweeper	2	395,000.00
Tractor, Light, Multi-Purpose	5	495,000.00
Tractor, Trencher w/Breaker, Trailer	2	140,000.00
Truck, Aerial, 24 Foot Lift	2	325,500.00
Truck, Aerial, 36 Foot Lift	2	370,900.00
Truck, Aerial, 50 Foot Lift	3	575,000.00
Truck, Derrick-Digger	1	232,000.00
Truck, Dump, 2 Yard	6	660,800.00
Truck, Dump, 5 Yard	3	382,600.00
Truck, Dump, 5 Yard, Crew Cab	2	225,000.00
Truck, Dump, 5 Yard w/Underbody Plow	9	1,670,350.00
Truck, Dump, 16 Yard Tri-Axle	2	325,000.00
Truck, Log Loader	1	210,000.00
Truck, Packer, 25 Yard Rearload	12	3,620,000.00
Truck, Packer, 25 Yard w/Ramp Lift Arm	2	615,500.00
Truck, Packer, 25 Yard Recycle	6	1,808,500.00
Truck, Pickup, Utility	6	375,600.00
Truck, Platform/Compressor/Salter/Plow	4	370,900.00
Truck, Platform, Stake	3	255,000.00
Truck, Road Patcher	1	225,000.00
Truck, Roll-Off	1	185,500.00
Truck, Van, Step/Cube	3	313,000.00
 Capital Plan - 2016	 <hr/> 78	 <hr/> 13,776,150.00

Capital Improvement Request Form Part I

Project/Program Title: 2-Way Radio Replacement & AVL/GPS Initiative
 Requesting Department: DPW/Operations: Fleet Services Section
Prepared By/Phone Ext: Fleet Operations Manager, x2459
 Department Head Signature: _____
Account No: BU110050200

A) Department Priority 10 of 10
 Useful Life 15 Years
 Level of Need Essential
 Important
 Desired
Type of Project
 New
 Replacement
 Repair
 On-Going Program
Project/Program Scope
 Fully Defined
 Partially Defined

B) Description
Infrastructure
 Street Related
 Sewer
 Water
 Street Lighting
 Communications
 Recreation
 Sidewalks
 Alleys
 Bridge
 Environmental
 Port
 Parking
Building
 Roof
 Windows
 HVAC
 Electrical
 Restroom
 Security
 Exterior
 Entire Facility
 ADA
 Office Remodeling
 New Building
 Elevators
 Garage
 Mechanical
Miscellaneous Development
 Economic
 Information Systems
 Equipment
 Other
Public Safety

C) Project/Program Duration
 One Year
 Yes
 No
 On-Going Program
 Yes
 No
 Multi-Year
 Yes
 No
 Number of Years
2

D) Total Positions 0
Total FTEs 0.0

Position Title	No. of Positions	FTEs	Salaries
_____	<u>0</u>	<u>0.0</u>	\$ <u>0.00</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes
 2011-2016
 2012-2017
 Yes, Modified
 New Request

F) Project/Program Justification
 This program will continue the funding to strategically replace all obsolete two-way radio equipment so that it utilizes the Milwaukee Police Department's new M/A-COM Communication Infrastructure. The program will enhance the deployment and optimization of the department's resources (equipment and operators) on a daily basis. This radio system will serve as a major communication and productivity tool and enhance public safety. Rapid coordinated response in any crisis is crucial. Public safety is all about having the right people and equipment in the right place at the right time, with the ability to access critical information quickly and efficiently.

G) Additional Comments
 The Department of Public Works will utilize the capabilities of the Milwaukee Police Department's new M/A-COM, Open Sky Communication System. This will allow digital and radio interoperability with systems of any type; efficient use of radio frequencies by allowing four simultaneous conversations on each radio frequency channel; provide a global positioning system (GPS) for tracking capabilities for increased safety; and remote software reconfiguration for easy up-grades. These new radios will connect communications among all city and surrounding agencies including the Police, Fire and Public Works departments. These new radios will allow Public Works personnel to inter-operate with other local, state and federal agencies to manage and respond to emergencies.

Capital Improvement Request Part II

Requesting Department: DPW/Operations: Buildings & Fleet Services

Project/Program Title: 2-Way Radio Replacement & AVL/GPS Initiative Program

Account No: BU110050200

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2009						\$0
2010 Budget Request	\$0					\$0
2011 Projection	\$450,000					\$450,000
2012 Projection	\$452,300					\$452,300
2013 Projection	\$0					\$0
2014 Projection	\$0					\$0
2015 Projection	\$0					\$0
Total Six Year Cost	\$902,300	\$0	\$0	\$0	\$0	\$902,300
Total Project Cost	\$902,300	\$0	\$0	\$0	\$0	\$902,300

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2010	2011	2012	2013	2014	2015
Thorough Cost Estimate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: In-Progress

Estimated Completion Date: On-Going

Department Head Signature _____

Prepared Phone Ext Fleet Operations Manager, x2459

**PARKING FUND _J11 TO 2016
CAPITAL IMPROVEMENT PROJECT PLAN**

PROJECT	2011	2012	2013	2014	2015	2016
arking Facility Maintenance	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
00 N. Water						
d and Plankinton						
ab Repairs/ Membrane (Construction in 2012)	\$325,000	\$330,000				
inting					\$465,000	
ater Repellant Sealer at Helix and Concrete pairs		\$210,000				
n & Highland						
caulk Joint Sealants, Sewer/Pavement Markings						
ncrete Repairs, Water Repellant Sealer, vement Marking, Membrane Reapplication			\$500,000			
inting of Parking Garage Components					\$310,000	
ansion Joint Replacement						\$125,000
icArthur Square						
embrane Repairs, 9th and 7th Level				\$415,000		
ab Repairs, 9th and 7th Level						\$760,000
lwaukee and Michigan						
inting			\$440,000	\$440,000		
ulti-space Meters						
tall meters at MU/Mt Sinai	\$600,000					
TOTAL	\$1,175,000	\$790,000	\$1,190,000	\$1,105,000	\$1,025,000	\$1,135,000

Capital Improvement Request Form Part I

Project/Program Title: MacArthur Square Parking Structure Repairs **Requesting Department:** DPW - Parking
Prepared By/Phone Ext: C Angelos / x2404 **Department Head Signature:** _____
Account No: _____

A) Department Priority _____ of _____ **Useful Life** 15 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** 2

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries	\$
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 2014 - Funding to be used for membrane application to 9th Street level to prevent water and chlorides from causing structural degradation to concrete. If membrane is not applied, this could result in closing public parking access on part or all of the 9th Street level.
 2016 - Slab Repairs: Funding will repair concrete delaminations, crack repairs, and repairs to worn deck surface. Requested funds will repair deficiencies near the end of their useful life.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW - Parking

Project/Program Title: MacArthur Square Parking Structure Repairs

Account No: _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request						\$0
2012 Projection						\$0
2013 Projection						\$0
2014 Projection					\$415,000	\$415,000
2015 Projection						\$0
2016 Projection					\$760,000	\$760,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$1,175,000	\$1,175,000
Total Project Cost	\$0	\$0	\$0	\$0	\$1,175,000	\$1,175,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: 05/01/14

Estimated Completion Date: 11/30/16

Department Head Signature _____

Prepared By/Phone Ext C Angelos / x2404

Capital Improvement Request Form Part I

Project/Program Title: Parking Facility Maintenance **Requesting Department:** DPW - Parking

Prepared By/Phone Ext: C Angelos / x2404 **Department Head Signature:** _____

Account No: _____

A) **Department Priority** _____ of _____ **Useful Life** 15 **Years** **Level of Need** Essential Important Desired

Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined

On-Going Program

B) **Description**

Infrastructure

Street Related Sewer Water Street Lighting Communications Recreation

Sidewalks Alleys Bridge Environmental Port Parking

Building

Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility

ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development

Economic Information Systems Equipment Other _____

C) **Project/Program Duration**

One Year Yes No

On-Going Program Yes No

Multi-Year Yes No **Number of Years** 6

D) **Total Positions** _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries \$
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) **In Six Year Capital Improvement Plan**

Yes 2009-2014 2010-2015 Yes, Modified New Request

F) **Project/Program Justification**

Funding for general facility maintenance is used to provide necessary repairs structural, mechanical and electrical deficiencies of a non-emergency nature that when left uncorrected lead to structural, mechanical and electrical deterioration. By grouping smaller, planned repair and renovation projects into a single capital project, this allows Parking Operations to bid similar work across structures to obtain lower prices, thereby creating efficiencies when compared to bidding smaller, individual projects on a per structure basis. Funding is also used to correct unplanned deficiencies identified by violation reports issued by building code inspectors that are time-sensitive in nature.

G) **Additional Comments**

Capital Improvemer. Request Part II

Requesting Department: DPW - Parking

Project/Program Title: Parking Facility Maintenance

Account No: _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request					\$250,000	\$250,000
2012 Projection					\$250,000	\$250,000
2013 Projection					\$250,000	\$250,000
2014 Projection					\$250,000	\$250,000
2015 Projection					\$250,000	\$250,000
2016 Projection					\$250,000	\$250,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000
Total Project Cost	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
--	-----	-----	-----	-----	-----	-----

Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: 01/02/11

Estimated Completion Date: 12/30/16

Department Head Signature _____

Prepared By/Phone Ext _____

Capital Improvement Request Form Part I

Project/Program Title: Multi-space Meter Purchase and Installation **Requesting Department:** DPW - Parking
Created By/Phone Ext: C Angelos x2404 **Department Head Signature:** _____
Account No: _____

A) Department Priority _____ of _____ **Useful Life** 20 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No Number of Years _____

D) Total Positions 0 **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries \$
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 2011 - Replace Marquette and Mt. Sinai area single-space meters with multi-space electronic meters that accept credit/debit card payments. Install appropriate signage. As part of the 2010 budget, the Common Council legislated an increase in parking meter rates in these areas from \$0.50 to \$1.00 per hour, the minimum hourly rate that is considered when determining whether to install multi-space. Approximately 50 multi-space meters will replace 425 single-space meters, thereby resulting in significantly (90%+) lower meter collection costs. The multi-space meters send wireless messages to the meter shop when there is a malfunction, thus creating quicker response times and lower revenue losses due to malfunctions.

G) Additional Comments
 In the multi-space currently installed in the downtown and the Historic Third Ward, credit card revenue composes approximately 53% of the revenue generated, yet only account for 37% of the transactions, because people tend to pay for a longer period with a credit card than with cash. Credit card revenue as a percentage of all revenue at the meter has steadily increased since the first year in which multi-space meters were installed.

Capital Improve. Request Part II

Requesting Department: DPW - Parking

Project/Program Title: Multi-space Meter Purchase and Installation

Account No: _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request					\$600,000	\$600,000
2012 Projection						\$0
2013 Projection						\$0
2014 Projection						\$0
2015 Projection						\$0
2016 Projection						\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$600,000	\$600,000
Total Project Cost	\$0	\$0	\$0	\$0	\$600,000	\$600,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: 02/01/11

Estimated Completion Date: 10/31/12

Department Head Signature _____

Prepared By/Phone Ext C Angelos / x2404

Capital Improvement Request Form Part I

Project/Program Title: Milwaukee Michigan Parking Structure Repairs **Requesting Department:** DPW - PARKING
Prepared By/Phone Ext: C Angelos x2404 **Department Head Signature:** _____
Account No: _____

A) Department Priority _____ of _____ **Useful Life** 15 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodelling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No Number of Years 2

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries \$
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 2013 -2014 Repaint entire structure. The current paint is lead-based and is peeling. It will have to be stripped to the bare metal and then painted with three coats. Repainting helps to prevent degradation to the surface which could require additional costs. The City of Milwaukee is contractually obligated to maintain the capital improvements of the parking structure as required in the City's contract and lease with Johnson Controls, Inc.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW - Parking

Project/Program Title: Milwaukee Michigan Parking Structure Repairs

Account No: _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request						\$0
2012 Projection						\$0
2013 Projection					\$440,000	\$440,000
2014 Projection					\$440,000	\$440,000
2015 Projection						\$0
2016 Projection						\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$880,000	\$880,000
Total Project Cost	\$0	\$0	\$0	\$0	\$880,000	\$880,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: 06/01/13

Estimated Completion Date: 11/01/14

Department Head Signature _____

Prepared By/Phone Ext C Angelos / x2404

Capital Improvement Request Form Part I

Project/Program Title: 4th & Highland Parking Structure Repairs Requesting Department: DPW - Parking
 Prepared By/Phone Ext: C Angelos x2404 Department Head Signature: _____

Account No: _____

A) Department Priority _____ of _____ Useful Life 15 Years Level of Need Essential Important Desired
 Type of Project New Replacement Repair On-Going Program
 Project/Program Scope Fully Defined Partially Defined

B) Description

Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking

Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical

Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No Number of Years 3

D) Total Positions _____ Total FTEs _____

Position Title	No. of Positions	FTEs	Salaries \$
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 2013 - Funding will provide for concrete repairs, a water repellent sealer, a membrane reapplication, and new pavement markings throughout all levels. Failure to undertake these repairs will result in structural degradation and more costly repairs.
 2015 - Funding will provide for painting of steel surfaces and structural components likely to be necessary over 10 years after the previous painting project
 2016 - Funding will provide replacement of expansion joints throughout garage. Failure to repair expansion joints will result in slab deterioration, leaks and vehicle damage claims.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW- Parking

Project/Program Title: 4th & Highland Parking Structure Repairs

Account No: _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request						\$0
2012 Projection						\$0
2013 Projection						\$0
2014 Projection					\$500,000	\$500,000
2015 Projection						\$0
2016 Projection					\$310,000	\$310,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$935,000	\$935,000
Total Project Cost	\$0	\$0	\$0	\$0	\$935,000	\$935,000

Life to Date Expenditures (Project Only)

\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Were cost estimates confirmed by another source? Yes No Uncertain
- Are cost estimates based on industry standards? Yes No Uncertain
- Will city employees be performing any portion of the work? Yes No Uncertain
- Did you perform a cost/benefit analysis? Yes No Uncertain

How will this project impact city operating expenditures? Increase Decrease None

Estimated Start Date: 04/01/13

Estimated Completion Date: 12/31/16

Department Head Signature _____

Prepared By/Phone Ext C Angelos / x2404

Capital Improvement Request Form Part I

Project/Program Title: 2nd Plankinton Parking Structure Repairs **Requesting Department:** DPW - Parking
Prepared By/Phone Ext: C Angelos x2404 **Department Head Signature:** _____

Account No: _____

A) Department Priority _____ of _____ **Useful Life** _____ **Years** **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program

B) Description
Infrastructure
 Street Related Sewer Water Street Lighting Communications Recreation
 Sidewalks Alleys Bridge Environmental Port Parking
Building
 Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
 ADA Office Remodeling New Building Elevators Garage Mechanical
Miscellaneous Development
 Economic Information Systems Equipment Other _____

C) Project/Program Duration
 One Year Yes No
 On-Going Program Yes No
 Multi-Year Yes No **Number of Years** 3

D) Total Positions _____ **Total FTEs** _____

Position Title	No. of Positions	FTEs	Salaries	\$
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

E) In Six Year Capital Improvement Plan
 Yes 2009-2014 2010-2015 Yes, Modified New Request

F) Project/Program Justification
 2011 -2012 - Slab Repairs: Funding will repair concrete delaminations, crack repairs, and repairs to worn deck surface. Requested funds will repair deficiencies near the end of their useful life.
 2012 - Funding will permit application of a water repellant sealer on the entry/exit helices, the most travelled area of the garage. In addition, concrete repairs will be required on several levels of the garage helices. Failure to undertake these repairs in a timely manner will result in accelerated deficiencies and more costly future repairs.
 2015 -Painting of the garage components includes all non-concrete metal fastners and structural members. Periodic application of protective paint finish is required to prevent corrosion and/or deterioration of these components.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW - Parking

Project/Program Title: 2nd Plankinton Parking Structure Repairs

Account No: _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010						\$0
2011 Budget Request					\$325,000	\$325,000
2012 Projection					\$540,000	\$540,000
2013 Projection						\$0
2014 Projection						\$0
2015 Projection					\$465,000	\$465,000
2016 Projection						\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$1,330,000	\$1,330,000
Total Project Cost	\$0	\$0	\$0	\$0	\$1,330,000	\$1,330,000

Life to Date Expenditures (Project Only)

\$0	\$0	\$0	\$0	\$0	\$0
-----	-----	-----	-----	-----	-----

Available Cost Estimate:

	2011	2012	2013	2014	2015	2016
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source?

Yes No Uncertain

Are cost estimates based on industry standards?

Yes No Uncertain

Will city employees be performing any portion of the work?

Yes No Uncertain

Did you perform a cost/benefit analysis?

Yes No Uncertain

How will this project impact city operating expenditures?

Increase Decrease None

Estimated Start Date: 04/01/11

Estimated Completion Date: 10/31/15

Department Head Signature _____

Prepared By/Phone Ext C Angelos / x2404

**REQUESTED BUDGET SUMMARY
YEAR 2011 CAPITAL IMPROVEMENTS PROGRAM
DPW-Infrastructure Div./Facilities Dev. & Mgmt. Section**

3/18/10 TET

Program Description		Budget
1. Environmental Program		\$260,000
A.	Asbestos Abatement-Hazardous Waste	\$75,000
B.	Soil & Groundwater Remediation	\$75,000
C.	CRG Curb and Gutter SWPP	\$110,000
2. ADA Compliance Program		\$307,200
A.	8th Floor City Hall Men's & Women's Toilet Room	\$307,200
3. Facilities Exterior Program		\$1,200,000
A.	Reroofing Central Repair Garage Heavy Side	\$823,400
B.	Reroofing Anderson Tower & Municipal Building	\$176,600
D.	Various Sites-Emergency Repairs	\$200,000
4. City Hall Complex Remodeling Program		\$50,000
A.	City Hall Complex Carpet Replacement-Various Locations	\$50,000
5. Municipal Garages/Outlying Facilities Remodeling Program		\$1,700,000
A.	Northwest Municipal Garage Upgrades (Construction)	\$1,600,000
B.	Lincoln Avenue Municipal Garage Upgrades (Design)	\$100,000
6. Facilities Systems Program		\$1,020,000
A.	City Hall Complex - Annual Electrical Switchgear Maint and Repair	\$60,000
B.	City Hall - Electrical Distribution and Code Compliance - Phase 3	\$250,000
C.	Zeidler Municipal Building - Emergency Egress Lighting	\$210,000
D.	Various Sites - Block Heater Repairs	\$30,000
E.	Various Sites - CCTV and Access Control Upgrades	\$140,000
F.	Various Sites - Emergency Mechanical Repairs	\$150,000
G.	Various Sites - Emergency Electrical Repairs	\$100,000
H.	809 Building - 4th Floor ERS Electrical Upgrades	\$80,000
7. Recreation Facilities Program		\$489,500
A.	Allis Street - Equipment Upgrade	\$97,000
B.	31st & Lloyd- Reconstruction ADA	\$79,000
C.	Columbia-Playground Reconstruction	\$113,000
D.	Auer Avenue-Basketball Court Reconstruction	\$123,000
G.	Various Sites Non-Programmed	\$25,000
H.	Engineering	\$52,500
8. Space Planning Alterations and Engineering		\$166,000
A.	Space Planning	\$12,000
B.	General Department Reorganization Alterations	\$84,000
C.	General Engineering & Facilities Inspection	\$70,000
Facilities Development and Management - Sub-Total Capital Program		\$5,192,700
Special Project Description		
SP-1.	City Hall Foundation	\$4,500,000
SP-2.	Information Technology Equipment Room	\$150,000
SP-3.	ZMB-Lower Parking Floor Restoration	\$1,530,000
SP-4.	Energy Efficiency and Renewable Energy	\$1,100,000
SP-5.	Building Exterior Façade Restoration	\$385,400
SP-6.	MacArthur Sq. Plaza Remediation	\$247,000
FDM Special Projects Sub Total		\$7,912,400
Facilities Development & Management TOTAL		\$13,105,100

EXHIBIT

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