



Department of Public Works
Buildings & Fleet Division

Jeffrey Mantes
Commissioner of Public Works

Preston D. Cole
Director of Operations

March 24, 2010

Capital Improvements Committee
Alderman Joseph Dudzik, Chair
Common Council
Room 205, City Hall

Re: 2011 Requested Capital Improvements Budget Forms
for March 25, 2010 CIC Meeting

Attached please find the Capital Funding Request forms and a 6 year (2011-2016)
Capital Improvement Summary Plan.

The forms are for all Department of Public Works' 2011 Requested Budget for –
Administration (including the Parking Fund), DPW-Operations, DPW-Infrastructure, DPW-
Sewer Maintenance and DPW Water Works.

At the March 3rd meeting, members had raised some questions and requested
certain information. The requested information is also attached as a separate submission.

In case of questions, your staff should feel free to contact Venu Gupta at X3401.

Very truly yours,



Jeffrey J. Mantes,
Commissioner

VJG:ejg

C: Jeffrey J. Mantes
Preston D. Cole
Jeffrey S. Polenske
Carrie Lewis
Venu J. Gupta
Shirley Krug
Dale E. Mejaki

Martin A. Aquino
Clark A. Wantoch
Patrick Hartmann
Central File

Additional Information, as requested at the March 3, 2010 Capital Improvement Committee meeting.

- Pavement Service Life Estimates – attached
- Facility Condition Index for City Hall Building – attached
- Sample Recreational Facility Condition Report
Condition Reports to be undertaken during 2010/2011 – attached
- Percentage of system replacement costs due to water mains – to be provided at the April 14th meeting.
- Age of vehicles by vehicle type – attached for information purpose only

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

Facility Condition Report: City Hall

Although a great deal of money has been spent on City Hall in the last few years, the Facility Condition Index (FCI) is still high at .17 because of current building deficiencies, the main deficiency being the Foundation.

Analysis:

Before Foundation Project

- City Hall CRV = \$121.5 million.
- Outstanding Deficiency costs = \$20.9 million
- Therefore, the FCI = .17, a “poor” rating.

After Foundation Project

- City Hall CRV = \$121.5 million.
- Outstanding Deficiency* cost = \$6.2 million
- Therefore, the FCI = .05, a “Good” rating.

*Note: Outstanding deficiencies are mechanical, electrical, fire-life safety, and interior/finish components totaling \$6.2 million.

Note: The Facility Condition Index is a ration between the cost of Deferred Maintenance (DM) to the Current Replacement Value: DM/CRV

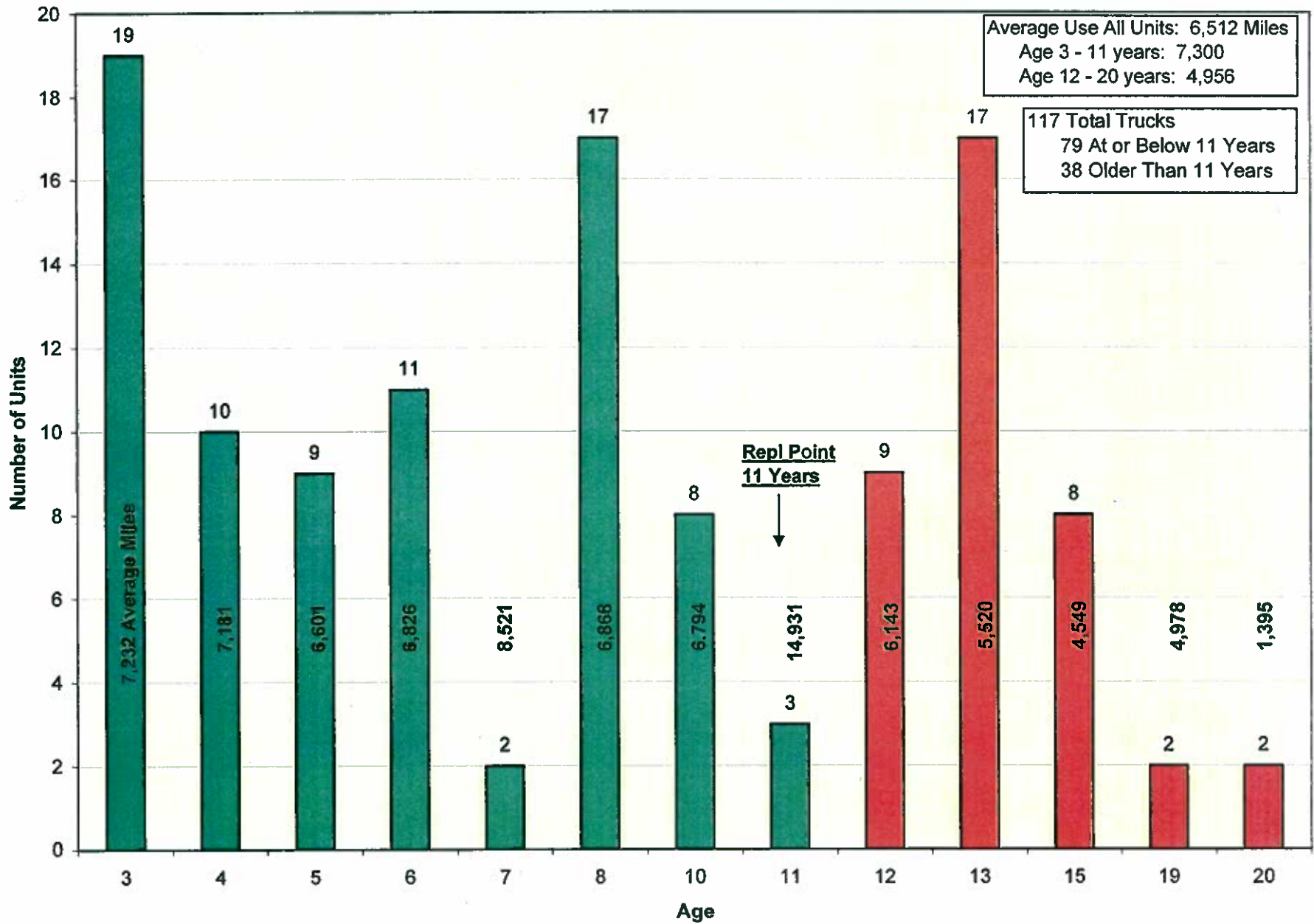
**North 31st and West Lloyd Street Play Area
 3100 West Lloyd Street**



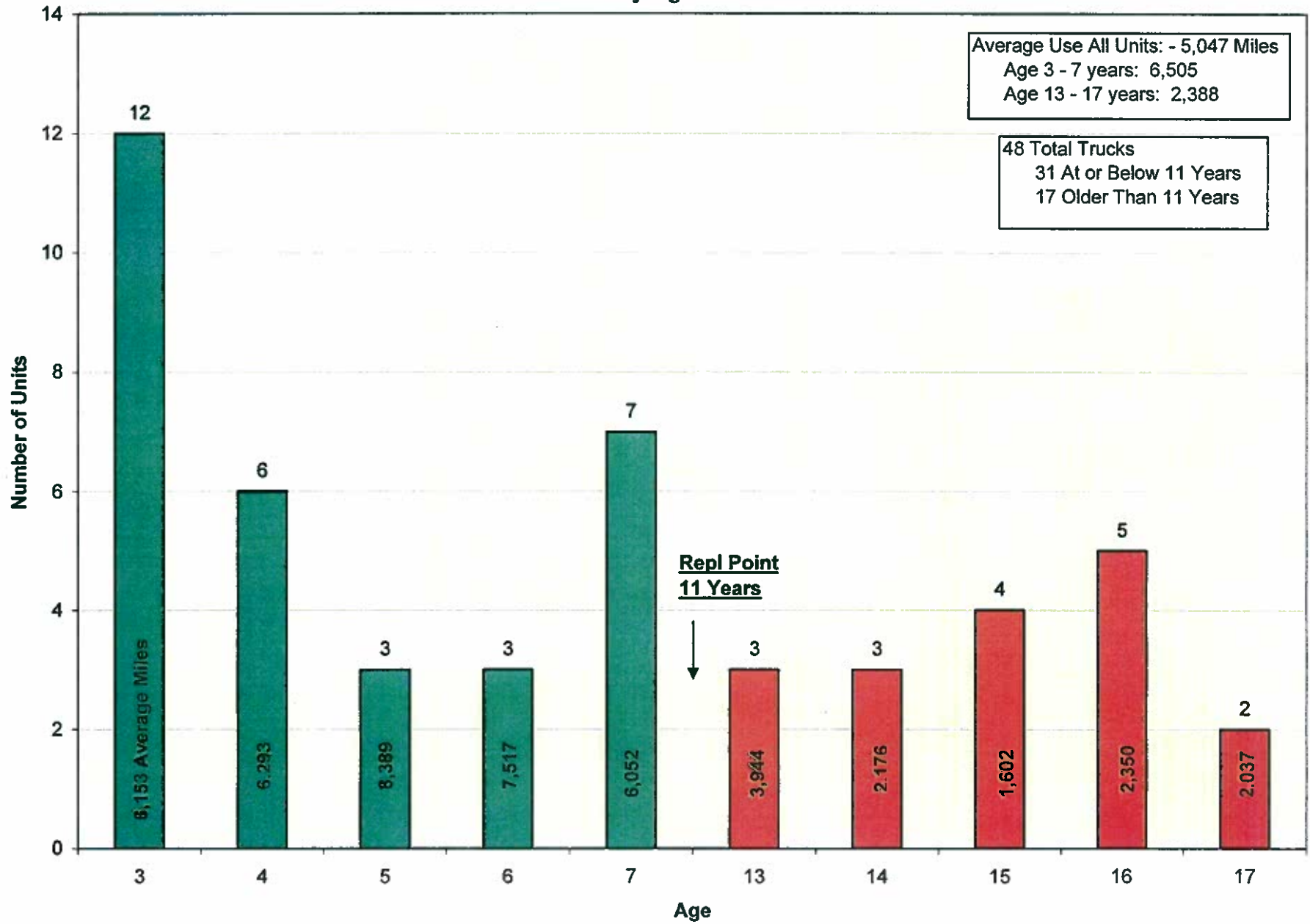
| | |
|---|---|
| Facility Constructed.....1972 Last Reconstruction.....1994 | ADA Accessible.....no Wheelchair Accessible.....no Impervious Surface.....658 sq. ft. Pervious Surface.....5,102 sq. ft. |
|---|---|

| Item | Quantity | Condition 1=poor 10=excellent | Item | Quantity | Condition 1=poor 10=excellent |
|-------------------|------------|-------------------------------------|----------------|----------------|-------------------------------------|
| Play Structure | 1 | | Plastic Edging | 31 - 6' length | 3 |
| transfer station | none | | | | |
| slide | 3 | 7 | Bench | 3 | 6 |
| climber | 2 | 7 | | | |
| game panel | 3 | 4 | Asphalt Path | 658 sq. ft. | 5 |
| barrier/pipe wall | 3 | 7 | | | |
| grab bar | 4 | 7 | Fencing - 3.5' | 185.5' | |
| deck/stairs | 9 | 7 | fabric | | 5 |
| clamp | 61 | 7 | post | | 5 |
| Swing Set | 1 | | | | |
| swings | 2 | 7 | Safety Surface | | |
| chain | 40 lin ft. | 6 | wood chips | 1,580 cu. yds. | 7 |
| bracket | 4 | 6 | resilient | none | |
| connector | 8 | 5 | | | |
| structure | 1 | 7 | | | |

Cart Lifter Packers by Age



Recycling Packers by Age



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 WISCNET/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 |
|--|-----|-----|-----|-----|-----|-----|

| 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 |
|--|-----|-----|-----|-----|-----|

| | | | | | | | |
|-----------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 |
|--|-----|-----|-----|-----|-----|-----|

| 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 |
|-----------------------------------|-----------|

| | |
|------------------------------|-------------------------------|
| TOTAL FUNDS AVAILABLE | <u>\$11,600,000.00</u> |
|------------------------------|-------------------------------|

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> |
|---------------------------|-------------------------------|

| | |
|-------------------------------|------------------------------|
| 2010 ASSUMED CARRYOVER | <u>\$1,275,000.00</u> |
|-------------------------------|------------------------------|

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 UPPR 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 UPPR 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 | \$10,000 | | | \$10,000 | | |
| | | SUBTOTAL(CO) | \$460,000 | \$0 | \$0 | \$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 | \$30,000 | | | \$30,000 | | |
| | | SUBTOTAL(STATE) | \$2,903,000 | \$2,760,000 | \$0 | \$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 Traffic Control | \$200,000 \$70,000 | \$180,000 \$63,000 | | \$20,000 \$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 Traffic Control | \$25,000 \$65,000 | \$20,000 \$52,000 | | \$5,000 \$13,000 | | |
| HSIP | | Wright & 35th St. Preliminary Engineering Traffic Control | \$25,000 \$65,000 | \$20,000 \$52,000 | | \$5,000 \$13,000 | | |
| HSIP | | Pedestrian Countdown Ph 1&3 Indications Preliminary Engineering Construction | \$225,000 \$2,250,000 | \$202,500 \$2,025,000 | | \$22,500 \$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 Construction | \$100,000 \$600,000 | \$80,000 \$480,000 | | \$20,000 \$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 |
|------|-----|---------|---------------------|----------------|------------|----------------|------|---------------|
|------|-----|---------|---------------------|----------------|------------|----------------|------|---------------|

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 Miscellaneous Transp 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) East St. Paul Ave. to East State St. | | | | | NA | |
| | 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. E. Layton Ave. to Howard Ave. | | | | | LOW | |
| | 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 Traffic Control Lighting Conduit | \$1,000,000 \$50,000 | \$800,000 \$40,000 | \$50,000 | \$150,000 \$10,000 | COMPLEX | CHANGE IN TRAFFIC FLOW |
| | SUBTOTAL (STP-A) | \$16,135,000 | \$12,636,000 | \$1,085,000 | \$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 Traffic Control Lighting Conduit | \$1,020,000 \$30,000 | \$816,000 \$24,000 | \$90,000 | \$114,000 \$6,000 | LOW | |
| | | | | | | | |
| 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 | |
| | | | | | | | |
| STP-CH | S. Chase Ave. W. Lincoln Ave. to E. Olkahoma Ave Construction Traffic Control Lighting Conduit | \$3,810,000 \$75,000 | \$3,048,000 | \$250,000 | \$512,000 \$75,000 | Low | |
| | SUBTOTAL (STP-CH) | \$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 Construction | \$30,000 \$200,000 | \$27,000 \$180,000 | | \$3,000 \$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. Dziejontkoski -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 |
|--|-----|-----|-----|-----|-----|

- 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 |
|---|-----|-----|-----|-----|-----|

| 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 |
|-----|-----|-----|

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? 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: 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 | 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 | \$0 | | \$0 | \$0 | | \$0 |
| 2012 Projection | \$0 | | \$400,000 | \$0 | | \$400,000 |
| 2013 Projection | \$0 | | \$400,000 | \$0 | | \$400,000 |
| 2014 Projection | \$0 | | \$400,000 | \$0 | | \$400,000 |
| 2015 Projection | \$0 | | \$400,000 | \$0 | | \$400,000 |
| 2016 Projection | \$0 | | \$400,000 | \$0 | | \$400,000 |
| Total Six Year Cost | \$0 | \$0 | \$2,000,000 | \$0 | \$0 | \$2,000,000 |
| Total Project Cost | \$0 | \$0 | \$3,000,000 | \$0 | \$0 | \$3,000,000 |

Life to Date Expenditures (Project Only)

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

Available Cost Estimate:

| | | | | | | |
|-----------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Thorough Cost Estimate | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| 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 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 |
|--|-----|-----|-----|-----|-----|-----|

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 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 _____

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 |
|--|-----|-----|-----|-----|-----|

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: _____

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 |
|-----|-----|-----|-----|-----|-----|

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: 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 | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|------------|--------------------|------------|--------------------|
| 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 | \$0 | \$0 | \$1,542,000 |
| Total Project Cost | \$1,542,000 | \$0 | \$0 | \$0 | \$0 | \$1,542,000 |

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 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 | |
| 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 | \$1,905,000 |
| Total Project Cost | \$1,905,000 | \$0 | \$0 | \$1,905,000 |

| Life to Date Expenditures (Project Only) | 2013 | 2014 | 2015 | 2016 |
|--|------|------|------|------|
| | \$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: 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 | Professional/Inspection | No. of Positions | FTEs | Salaries | \$ |
|----------------|-------------------------|------------------|------|----------|----|
| | 2 | 2 | 0.2 | 13,927 | |
| | 2 | 2 | 0.2 | 12,661 | |
| | | | | | \$ |

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-8 th 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 |
|--|-----|-----|-----|-----|-----|-----|

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 | | |
| 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 | \$12,369,000 |
| Total Project Cost | \$12,369,000 | \$0 | \$0 | \$0 | \$12,369,000 |

Life to Date Expenditures (Project Only) \$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 | | | Enterprise | 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 | \$0 | \$6,200,000 |
| Total Project Cost | \$6,200,000 | \$0 | \$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 | <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 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 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 **Account No.:** BU11091200
Project/Program Title: Facilities Systems Program

| 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 |
|--|-----|-----|-----|-----|-----|

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 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 | No. of Positions | FTEs | Salaries |
|--------------------------------|------------------|------------|-------------------|
| <u>Professional/Inspection</u> | <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 | Special Assessment | Enterprise | Total Cost | |
| 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 | \$0 | \$0 | \$2,989,500 |
| Total Project Cost | \$2,989,500 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,989,500 |

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

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 |
|--|-----|-----|-----|-----|-----|

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 | Professional/Inspection | No. of Positions | FTEs | Salaries |
|----------------|-------------------------|------------------|------------|------------------|
| | | <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 |
| | \$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: 12/31/11

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 | \$ |
|----------------|-------------------------|------------------|------------|----------|---------------|
| | | <u>2</u> | <u>0.5</u> | | <u>32,975</u> |
| | | <u>1</u> | <u>0.2</u> | | <u>13,100</u> |
| | | | | | |

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 | No. of Positions | FTEs | Salaries |
|--------------------------------|------------------|------------|------------------|
| <u>Professional/Inspection</u> | <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 | \$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 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)

| | | | | | |
|------|------|------|------|------|------|
| 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: _____
 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 Budget 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 | | \$0 | | \$6,800,000 |
| Total Project Cost | \$6,800,000 | | \$0 | | \$0 | | \$0 | | \$0 | | \$6,800,000 |

Life to Date Expenditures (Project Only)

| | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|
| | \$0 | \$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. **Account 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 |
|--|-----|-----|-----|-----|-----|

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 | | | | | \$12,687,500 |
| Total Project Cost | \$12,687,500 | | | | | \$12,687,500 |

Life to Date Expenditures (Project Only)

| Year | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Available Cost Estimate: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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"/> |
| Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

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 P' Phone Ext

David Siver, 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

Special Assessment: _____

| 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 | \$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: 02/01/10

Estimated Completion Date: 10/01/10

Department Head Signature _____

Prepared By/Phone Ext _____

David Siwyer, 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 **Account No.:** BU110101100
Project/Program Title: Major Capital Equipment Replacement

| 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

| | | | | | | |
|-----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 style="width: 100%;"/> | <hr style="width: 100%;"/> |
| | 78 | 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 | 78 | 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 **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 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 | | | | | \$0 |
| 2010 Budget Request | \$450,000 | | | | | \$450,000 |
| 2011 Projection | \$452,300 | | | | | \$452,300 |
| 2012 Projection | \$0 | | | | | \$0 |
| 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)

| Year | Expenditures | Total |
|------|--------------|-------|
| 2010 | \$0 | \$0 |
| 2011 | \$0 | \$0 |
| 2012 | \$0 | \$0 |
| 2013 | \$0 | \$0 |
| 2014 | \$0 | \$0 |
| 2015 | \$0 | \$0 |

- Available Cost Estimate:**
- Thorough Cost Estimate 2010 2011 2012 2013 2014 2015
 - Limited Information 2010 2011 2012 2013 2014 2015
 - Based on Cost of Similar Projects 2010 2011 2012 2013 2014 2015
 - Unsupported 2010 2011 2012 2013 2014 2015

- 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 |
|---|--------------------|------------------|--------------------|--------------------|--------------------|--------------------|
| Parking Facility Maintenance | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 |
| 00 N. Water and Plankinton | | | | | | |
| ab Repairs/ Membrane (Construction in 2012) | \$325,000 | \$330,000 | | | | |
| inting | | | | | \$465,000 | |
| ater Repellant Sealer at Helix and Concrete | | \$210,000 | | | | |
| pairs | | | | | | |
| & Highland | | | | | | |
| caulk Joint Sealants, Sewer/Pavement Markings | | | | | | |
| oncrete Repairs, Water Repellant Sealer, | | | \$500,000 | | | |
| vement Marking, Membrane Reapplication | | | | | | |
| inting of Parking Garage Components | | | | | \$310,000 | \$125,000 |
| ansion Joint Replacement | | | | | | |
| icArthur Square | | | | | | |
| embrane Repairs, 9th and 7th Level | | | | \$415,000 | | |
| ab Repairs, 9th and 7th Level | | | | | | \$760,000 |
| Waukeee and Michigan | | | | | | |
| inting | | | \$440,000 | \$440,000 | | |
| ulti-space Meters | | | | | | |
| stall 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 |
|--|-----|-----|-----|-----|-----|-----|

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: 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 Improvement 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:

- 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: 01/02/11

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 |
|--|-----|-----|-----|-----|-----|

| 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 |
|--|-----|-----|-----|-----|-----|-----|

| | | | | | | |
|-----------------------------------|--------------------------|------|-------------------------------------|------|--------------------------|------|
| Available Cost Estimate: | | | | | | |
| Thorough Cost Estimate | <input type="checkbox"/> | 2011 | <input type="checkbox"/> | 2012 | <input type="checkbox"/> | 2013 |
| Limited Information | <input type="checkbox"/> | 2014 | <input type="checkbox"/> | 2015 | <input type="checkbox"/> | 2016 |
| Based on Cost of Similar Projects | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| Unsupported | <input type="checkbox"/> | | <input checked="" 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 Budget 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 | | | | | \$500,000 | \$500,000 |
| 2014 Projection | | | | | | \$0 |
| 2015 Projection | | | | | \$310,000 | \$310,000 |
| 2016 Projection | | | | | \$125,000 | \$125,000 |
| 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)

| | | | | | |
|------|------|------|------|------|------|
| 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?
 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: 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) | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Available Cost Estimate: | | | | | | |
| 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?
 Are cost estimates based on industry standards?
 Will city employees be performing any portion of the work?
 Did you perform a cost/benefit analysis?

Yes No Uncertain
 Yes No Uncertain
 Yes No Uncertain
 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

MILWAUKEE WATER WORKS
2011 CAPITAL IMPROVEMENT PROGRAM

| | |
|---------------------------|---------------------|
| Distribution Mains | \$14,770,000 |
| Feeder Mains | 2,750,000 |
| Total Mains | \$17,520,000 |

WATER PLANT PROJECTS

| <u>PROJECT CATEGORY</u> | <u>ESTIMATED COST</u> |
|---|------------------------------|
| 1. Linnwood Plant Building Improvements | \$ 1,520,000 |
| 2. Linnwood Plant Treatment Improvements | 1,275,000 |
| 3. Howard Plant Building Improvements | 300,000 |
| 4. Howard Plant Treatment Improvements | 950,000 |
| 5. Pump Facilities Improvements | 2,050,000 |
| 6. Storage Facilities Improvements | 300,000 |
| 7. Meter Repair Shop | 150,000 |
| 8. Backup Power Generation | 0 |
| | <hr/> |
| TOTAL WATER PLANT PROJECTS | \$ 6,845,000 |
| TOTAL MAINS | 17,520,000 |
| TOTAL PROGRAM | <u>\$ 24,365,000</u> |

| MILWAUKEE WATER WORKS CAPITAL IMPROVEMENTS | | | | | | | Rev: March 17, 2010 | Time: | | | | | | |
|--|----|------------|----|------------|----|------------|---------------------|------------|-----------|------------|------|------------|----------------------------------|-------------|
| 2011 - 2016 | | | | | | | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2011 - 2016 SIX YEAR TOTAL | |
| IMPROVEMENTS | | | | | | | | | | | | | | |
| WATER MAIN IMPROVEMENTS | | | | | | | | | | | | | | |
| Distribution Mains | | | | | | | | | | | | | | |
| Total - Distribution Mains | | | | | | | | | | | | | | |
| | \$ | 14,770,000 | \$ | 16,900,000 | \$ | 17,400,000 | \$ | 18,200,000 | \$ | 19,000,000 | \$ | 19,800,000 | \$ | 106,070,000 |
| Replacements | | 14,370,000 | | 16,500,000 | | 17,000,000 | | 17,800,000 | | 18,600,000 | | 19,400,000 | | 103,670,000 |
| Developer | | 300,000 | | 300,000 | | 300,000 | | 300,000 | | 300,000 | | 300,000 | | 1,800,000 |
| Assessable | | 100,000 | | 100,000 | | 100,000 | | 100,000 | | 100,000 | | 100,000 | | 600,000 |
| Feeder Mains | | | | | | | | | | | | | | |
| Total - Feeder Mains | \$ | 2,750,000 | \$ | 1,140,000 | \$ | 1,160,000 | \$ | 1,180,000 | \$ | 1,200,000 | \$ | 1,220,000 | \$ | 8,650,000 |
| Total Water Main Improvements | \$ | 17,520,000 | \$ | 18,040,000 | \$ | 18,560,000 | \$ | 19,380,000 | \$ | 20,200,000 | \$ | 21,020,000 | \$ | 114,720,000 |
| PLANT IMPROVE LOCATION | | | | | | | | | | | | | | |
| 1 Linnwood Plant Building Improvements | | | | | | | | | | | | | | |
| Security upgrade: gate/guard | | 1,000,000 | | | | | | | | | | | | 1,000,000 |
| Instrumentation shop space | | | | 210,000 | | | | | | | | | | 210,000 |
| Roof replacements | | 325,000 | | 900,000 | | | | | | | | | | 1,225,000 |
| Replace sanitary sewer main | | 195,000 | | | | | | | | | | | | 195,000 |
| Roadway repaving and lighting | | | | 250,000 | | | | | | | | | | 250,000 |
| Cover filter skylights | | | | | | | 150,000 | | | | | | | 150,000 |
| Paint North Point tower | | | | | | | | | | | | | | 700,000 |
| Filter building ceilings | | | | 140,000 | | | | | | | | | | 1,000,000 |
| Structural modifications | | | | | | | | | | | | | | 1,000,000 |
| Total Linnwood Plant Treatment Improvements | \$ | 1,275,000 | \$ | 1,775,000 | \$ | 6,030,000 | \$ | 4,800,000 | \$ | 2,500,000 | \$ | 1,500,000 | \$ | 17,880,000 |
| Motor control centers, cont. | | 600,000 | | | | 1,000,000 | | | | | | | | 1,600,000 |
| Valves for ozone bypass | | 175,000 | | 1,575,000 | | | | | | | | | | 1,750,000 |
| Chemical feed upgrade | | 500,000 | | | | 500,000 | | | | 500,000 | | | | 1,500,000 |
| Plant residuals handling system study | | | | 200,000 | | | | | | | | | | 200,000 |
| Wastewater system | | | | | | | 1,500,000 | | | | | | | 1,700,000 |
| Filter media replacement | | | | | | 4,000,000 | | | | | | | | 4,000,000 |
| Advanced processes | | | | | | | | | 2,000,000 | | | | | 3,500,000 |
| Raw water pumps #3 and #4 | | | | 300,000 | | 300,000 | | | | | | | | 3,300,000 |
| Ozone contactor roof | | | | 30,000 | | 30,000 | | | | | | | | 330,000 |
| Total Howard Plant Building Improvements | \$ | 600,000 | \$ | 200,000 | \$ | 550,000 | \$ | 200,000 | \$ | 250,000 | \$ | 300,000 | \$ | 2,100,000 |
| Resurface concrete drive | | 250,000 | | | | | | | | | | | | 250,000 |

CAPY for -

| 2011 - 2016 | | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2011 - 2016 |
|--|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| IMPROVEMENTS | | | | | | | | SIX YEAR |
| | | | | | | | | TOTAL |
| Machine shop upgrade | | | | 550,000 | | | | 550,000 |
| Instrumentation shop | | | | | 200,000 | | | 200,000 |
| Maintenance operation center | | | | | | 250,000 | | 250,000 |
| Filter building roof | | | 200,000 | | | | | 200,000 |
| Drive House & Corridor Roof | | 350,000 | | | | | | 350,000 |
| Loading dock | | | | | | | 300,000 | 300,000 |
| | | | | | | | | - |
| 4 Howard Plant Treatment Improvements | | \$ 950,000 | \$ 700,000 | \$ 1,300,000 | \$ 1,000,000 | \$ 1,000,000 | \$ 1,800,000 | \$ 6,750,000 |
| Flocculator system upgrade | | 100,000 | 500,000 | 500,000 | | | | 1,100,000 |
| Ozone bldg wall stabilization/repair | | 500,000 | | | | | | 500,000 |
| Ozone contactor roof refurbishing | | 350,000 | | | | | | 350,000 |
| Clearwell plug flow | | | | 200,000 | 800,000 | | | 1,000,000 |
| Chemical feed storage tank SHC | | | | 500,000 | | | | 500,000 |
| Replace filter media | | | | | 200,000 | 800,000 | | 1,000,000 |
| Filter effluent valve operators | | | | 100,000 | | | | 100,000 |
| Electrical system upgrades/efficiency | | | 200,000 | | | | | 200,000 |
| Advanced processes | | | | | | 200,000 | 1,800,000 | 2,000,000 |
| | | | | | | | | - |
| 5 Pump Facilities Improvements | | \$ 2,050,000 | \$ 2,150,000 | \$ 3,100,000 | \$ 900,000 | \$ 500,000 | \$ 2,500,000 | \$ 11,200,000 |
| Florist Station: backup station | | | | | | | | - |
| Riverside | | | | | | | 2,000,000 | 2,000,000 |
| Pumps, pipes & valves | | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | | 3,000,000 |
| Lincoln | | | | 2,000,000 | | | | 2,000,000 |
| Lincoln | | 400,000 | 350,000 | | | | | 750,000 |
| | | | | | | | | - |
| Adler | | | 50,000 | | | | | 50,000 |
| GS/LS/Lisbon | | 150,000 | | | | | | 150,000 |
| Texas | | 500,000 | | 500,000 | | | | 1,000,000 |
| Texas | | | | | | | | 100,000 |
| Grange | | | 100,000 | | | | | 250,000 |
| Oklahoma | | | 250,000 | | | | | 1,000,000 |
| North Point | | 200,000 | 800,000 | | | | | 400,000 |
| Various | | | | | 400,000 | | | 100,000 |
| Various | | 200,000 | | 100,000 | | | | 300,000 |
| Bluemound | | 100,000 | | | | | | 100,000 |
| | | | | | | | | - |
| | | | | | | | | - |
| | | | | | | | | - |

COPY for -

| 2011 - 2016 | | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2011 - 2016 |
|--|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| IMPROVEMENTS | | | | | | | | SIX YEAR |
| | | \$ | \$ | \$ | \$ | \$ | \$ | TOTAL |
| 6 Storage Facilities Improvements | | \$ 300,000 | \$ 2,700,000 | \$ 200,000 | \$ 2,000,000 | \$ 3,000,000 | \$ 6,000,000 | \$ 14,200,000 |
| Clearwell roofs | Linwood | | | 200,000 | 2,000,000 | | | 2,200,000 |
| Florist | Elevated storage tank | | | | | | 6,000,000 | 6,000,000 |
| Lincoln | Paint tanks | 300,000 | 2,700,000 | | | | | 3,000,000 |
| Florist | Paint tanks | | | | | 3,000,000 | | 3,000,000 |
| | | | | | | | | - |
| | | | | | | | | - |
| | | | | | | | | - |
| 7 Meter Repair Shop | | \$ 150,000 | \$ - | \$ 3,000,000 | \$ - | \$ - | \$ - | \$ 3,150,000 |
| Cameron facility | | 150,000 | | 3,000,000 | | | | 3,150,000 |
| | | | | | | | | - |
| | | | | | | | | - |
| 8 Backup Power Generation | | \$ - | \$ 4,700,000 | \$ 1,300,000 | \$ 6,000,000 | \$ - | \$ - | \$ 12,000,000 |
| Linwood | | | 4,500,000 | | | | | 4,500,000 |
| | | | | | | | | - |
| North Point | | | | 500,000 | 6,000,000 | | | 6,500,000 |
| Grange | | | 200,000 | 800,000 | | | | 1,000,000 |
| | | | | | | | | - |
| | | | | | | | | - |
| | | | | | | | | - |
| 9 Capital Projects Contingencies | | \$ - | \$ 1,000,000 | \$ - | \$ 2,000,000 | \$ - | \$ 2,000,000 | \$ 5,000,000 |
| Contingencies | | | 1,000,000 | | 2,000,000 | | 2,000,000 | 5,000,000 |
| | | | | | | | | - |
| | | | | | | | | - |
| | | | | | | | | - |
| Total Plant Improvements | | \$ 6,845,000 | \$ 14,475,000 | \$ 16,290,000 | \$ 17,050,000 | \$ 7,400,000 | \$ 15,100,000 | \$ 77,160,000 |
| TOTAL WATER WORKS PROGRAM | | \$ 24,365,000 | \$ 32,515,000 | \$ 34,850,000 | \$ 36,430,000 | \$ 27,600,000 | \$ 36,120,000 | \$ 191,880,000 |
| % Increase between years - program gross | | 21.6% | 33.4% | 7.2% | 12.0% | -20.8% | -0.9% | |
| | | | | | | | | |
| | | | | | | | | |

**2011 – 2016 CAPITAL IMPROVEMENTS
PROGRAM REQUESTS**

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

CITY OF MILWAUKEE

2011-2016

DISTRIBUTION MAIN PROJECTS

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

Capital Improvement Request Form Part I

Project/Program Title: 2011-16 Distribution Water Main Program **Requesting Department:** DPW/Milwaukee Water Works

Submitted By/Phone Ext: Dinah G. Gant/3867 **Department Head Signature:** _____

Account No: 04206410R999

A) **Department Priority** _____ of _____ **Useful Life** 110 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 | Please See Attached | No. of Positions | FTEs | Salaries | \$ |
|----------------|-------------------------------|------------------|-------|----------|-------|
| | <u>BMD-52 Water Eng A.xls</u> | _____ | _____ | _____ | _____ |
| | | _____ | _____ | _____ | _____ |
| | | _____ | _____ | _____ | _____ |

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

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

F) **Project/Program Justification**

This program is needed to provide sufficient and reliable water supply to enable consumers to satisfy their needs and to protect the health of Milwaukee Citizens; to provide sufficient water for all fire protection needs and to enable consumers to obtain the lowest cost fire insurance. This program is further required to continue development of the City and preservation of neighborhoods.

G) **Additional Comments**

2011 Water Main Replacement Program is a part of Milwaukee Water Works efforts to reach a replacement schedule that will aid in the replacement of its deteriorating asset in an efficient manner. Water mains to be replaced will be selected based on ranking on the "main break Index," hydraulic characteristics, coordination with paving and other construction projects, and water quality concerns.

Capital Improvement Request Part II

Requesting Department: PUBLIC WORKS - Milwaukee Water Works

Project/Program Title: 2011-16 Distribution Water Main Program

Account No: 04206410R999

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|---------------|---------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$14,770,000 | \$14,770,000 |
| 2012 Projection | | | | | \$16,900,000 | \$16,900,000 |
| 2013 Projection | | | | | \$17,400,000 | \$17,400,000 |
| 2014 Projection | | | | | \$18,200,000 | \$18,200,000 |
| 2015 Projection | | | | | \$19,000,000 | \$19,000,000 |
| 2016 Projection | | | | | \$19,800,000 | \$19,800,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$106,070,000 | \$106,070,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$106,070,000 | \$106,070,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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: 01/01/11

Estimated Completion Date: _____

Department Head Signature 

Prepared By/Phone Ext Dinah G. Gant/3867

MILWAUKEE WATER WORKS

2011-2016

FEEDER MAIN PROJECTS

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

Capital Improvement Request Form Part I

Project/Program Title: 2011-16 Feeder Main Program **Requesting Department:** DPW/Milwaukee Water Works
Prepared By/Phone Ext: Dinah G. Gant/3867 **Department Head Signature:** _____
Account No: 04206410R999

A) Department Priority _____ of _____ **Useful Life** 110 **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 \$ |
|-------------------------------|------------------|-------|-------------|
| <u>Please See Attached</u> | _____ | _____ | \$ _____ |
| <u>BMD-52 Water Eng A.xls</u> | _____ | _____ | \$ _____ |
| _____ | _____ | _____ | \$ _____ |

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

F) Project/Program Justification
 This program is needed to provide sufficient and reliable water supply to enable consumers to satisfy their needs and to protect the health of Milwaukee Citizens; to provide sufficient water for all fire protection needs and to enable consumers to obtain the lowest cost fire insurance. This program is further required to continue development of the City and preservation of neighborhoods. Changing water use patterns within the service area necessitate the addition of feeder mains to improve pressures and flows.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: PUBLIC WORKS - Milwaukee Water Works

Project/Program Title: 2011-16 Feeder Main Program

Account No: 04206410R999

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|-------------|-------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$2,750,000 | \$2,750,000 |
| 2012 Projection | | | | | \$1,140,000 | \$1,140,000 |
| 2013 Projection | | | | | \$1,160,000 | \$1,160,000 |
| 2014 Projection | | | | | \$1,180,000 | \$1,180,000 |
| 2015 Projection | | | | | \$1,200,000 | \$1,200,000 |
| 2016 Projection | | | | | \$1,220,000 | \$1,220,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$8,650,000 | \$8,650,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$8,650,000 | \$8,650,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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"/> | <input type="checkbox"/> |
| Limited Information | <input type="checkbox"/> | <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"/> | <input checked="" type="checkbox"/> |
| Unsupported | <input type="checkbox"/> | <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: _____

Department Head Signature *Dinah G. Gant*

Prepared By/Phone Ext Dinah G. Gant/3867

CITY OF MILWAUKEE

2011-2016

WATER PLANTS PROJECTS

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

MILWAUKEE WATER WORKS

2011-2016

LINNWOOD PLANT BUILDING IMPROVEMENTS

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

Capital Improvement Request Form Part I

Project/Program Title: 2011-16 Linnwood Bldg Improvement **Requesting Department:** DPW/Milwaukee Water Works
Prepared By/Phone Ext: Dinah G. Gant/3867 **Department Head Signature:** _____
Account No: 04206410R999

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 \$ |
|-------------------------------|------------------|-------|-------------|
| <u>Please See Attached</u> | _____ | _____ | \$ _____ |
| <u>BMD-52 Water Eng A.xls</u> | _____ | _____ | \$ _____ |
| _____ | _____ | _____ | \$ _____ |

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

F) Project/Program Justification
 This program continues with Milwaukee Water Works' program of maintaining and replacing aging infrastructure for a facility that is critical to the efficient operation of the water purification process.

G) Additional Comments
 Projects included in the 2011 Program Year are: 1) Security Upgrade: Gate/Guard House - As a Homeland Security designated critical infrastructure, the Linnwood Plant's entranceway will be redesigned and hardened. The final project will allow for secure access of authorized vehicles and persons, allow for video surveillance while maintaining the aesthetics of the site. 2) Roof Replacements - This project continues the program of replacing deteriorating roof systems throughout the plant to include north and south pipe gallery roofs, as well as the pump room roof. 3) Sanitary Sewer Replacement - This project will replace a 76-year old sanitary sewer that is in poor condition and has a history of failures.

Capital Improvement Request Part II

Requesting Department: PUBLIC WORKS - Milwaukee Water Works

Project/Program Title: 2011-16 Linnwood Building Improvements

Account No: 04206410R999

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|-------------|-------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$1,520,000 | \$1,520,000 |
| 2012 Projection | | | | | \$1,250,000 | \$1,250,000 |
| 2013 Projection | | | | | \$810,000 | \$810,000 |
| 2014 Projection | | | | | \$150,000 | \$150,000 |
| 2015 Projection | | | | | \$150,000 | \$150,000 |
| 2016 Projection | | | | | \$1,000,000 | \$1,000,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$4,880,000 | \$4,880,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$4,880,000 | \$4,880,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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: 01/01/11

Estimated Completion Date: _____

Department Head Signature *Dinah G. Gant*

Prepared By/Phone Ext Dinah G. Gant/3867

MILWAUKEE WATER WORKS

2011-2016

LINNWOOD PLANT TREATMENT IMPROVEMENTS

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

Capital Improvement Request Form Part I

Project/Program Title: 2011-16 Linnwood Treatment Improvements **Requesting Department:** DPW/Milwaukee Water Works
Created By/Phone Ext: Dinah G. Gant/3867 **Department Head Signature:** _____
Account No: 04206410R999

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 | \$ |
|-------------------------------|------------------|-------|----------|-------|
| <u>Please See Attached</u> | _____ | _____ | _____ | _____ |
| <u>BMD-52 Water Eng A.xls</u> | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |

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

F) Project/Program Justification
 This program continues with Milwaukee Water Works program of upgrading and replacing systems necessary for the water purification process.

G) Additional Comments
 Projects included in the 2011 Program Year are: 1) Motor Control Center Replacements - Continue with the replacement of failing equipment at motor control center #4, load centers B&C/motor control center #2 and #3, and load center #1 and #2. 2) Valves for Ozone By-Pass - This multi-year project will allow water to be treated without passing through the ozone contactors, thus enabling the ozone contactors to be taken out of service for repair or maintenance. 3) Chemical Feed Upgrades - This project allows upgrades to the chemical feed systems that accommodate the various chemicals necessary for the water purification process.

Capital Improvement Request Part II

Requesting Department: PUBLIC WORKS - Milwaukee Water Works

Project/Program Title: 2011-16 Linnwood Treatment Improvements

Account No: 04206410R999

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|--------------|--------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$1,275,000 | \$1,275,000 |
| 2012 Projection | | | | | \$1,775,000 | \$1,775,000 |
| 2013 Projection | | | | | \$6,030,000 | \$6,030,000 |
| 2014 Projection | | | | | \$4,800,000 | \$4,800,000 |
| 2015 Projection | | | | | \$2,500,000 | \$2,500,000 |
| 2016 Projection | | | | | \$1,500,000 | \$1,500,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$17,880,000 | \$17,880,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$17,880,000 | \$17,880,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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: 01/01/11

Estimated Completion Date: _____

Department Head Signature 

Prepared By/Phone Ext Dinah G. Gant/3867

MILWAUKEE WATER WORKS

2011-2016

HOWARD PLANT BUILDING IMPROVEMENTS

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

Capital Improvement Request Form Part I

Project/Program Title: 2011-16 Howard Building Improvements **Requesting Department:** DPW/Milwaukee Water Works
Prepared By/Phone Ext: Dinah G. Gant/3867 **Department Head Signature:** _____
Account No: 04206410R999

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 \$ |
|-------------------------------|------------------|-------|-------------|
| <u>Please See Attached</u> | _____ | _____ | _____ |
| <u>BMD-52 Water Eng A.xls</u> | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

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

F) Project/Program Justification
 This program continues with Milwaukee Water Works capital improvements plans to maintain and replace aging infrastructure for the facility that is critical to the efficient operation of the water purification process.

G) Additional Comments
 Projects Included in the 2011 Program Year are: 1) Resurface Concrete Drive - The driveway and lot surrounding the east, south and west sides of the building are deteriorated and in need of resurfacing. 2) Drive House Building and Corridor Roof - This project continues Milwaukee Water Works program of replacing leaking, deteriorated roof systems. The temporary repairs to the roof and flashing will not continue to suffice.

Capital Improvement Request Part II

Requesting Department: PUBLIC WORKS - Milwaukee Water Works

Project/Program Title: 2011-16 Howard Building Improvements

Account No: 04206410R999

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|-------------|-------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$600,000 | \$600,000 |
| 2012 Projection | | | | | \$200,000 | \$200,000 |
| 2013 Projection | | | | | \$550,000 | \$550,000 |
| 2014 Projection | | | | | \$200,000 | \$200,000 |
| 2015 Projection | | | | | \$250,000 | \$250,000 |
| 2016 Projection | | | | | \$300,000 | \$300,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$2,100,000 | \$2,100,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$2,100,000 | \$2,100,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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: 01/01/11

Estimated Completion Date: _____

Department Head Signature *Dinah G. Gant*

Prepared By/Phone Ext Dinah G. Gant/3867

MILWAUKEE WATER WORKS

2011-2016

HOWARD PLANT TREATMENT IMPROVEMENTS

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

Capital Improvement Request Form Part I

Project/Program Title: 2011-16 Howard Treatments Improvements **Requesting Department:** DPW/Milwaukee Water Works
Prepared By/Phone Ext: Dinah G. Gant/3867 **Department Head Signature:** _____
Account No: 04206410R999

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 \$ |
|-------------------------------|------------------|-------|-------------|
| <u>Please See Attached</u> | _____ | _____ | _____ |
| <u>BMD-52 Water Eng A.xls</u> | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

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

F) Project/Program Justification
 This program continues with Milwaukee Water Works capital improvements plans of upgrading and replacing systems necessary for the water purification process.

G) Additional Comments
 Projects included in the 2011 Program Year are: 1) Flocculator System Upgrade - This multi-year project involves replacing the flocculator bearings and shafts. Flocculators are essential to the treatment process. 2) Ozone Building Wall Stabilization/Repair- A consultant report confirms horizontal joint separation of the exterior west wall of the ozone building. Ozone is a vital part of the treatment process with the building housing the system required to be stable. This project will stabilize the building. 3) Ozone Contactor Roof- The integrity of the building housing the ozone process must be protected. The roof of this building is in need of repair or replacement. The extent of the damage is to be evaluated after the stabilization of the building is complete.

Capital Improvement Request Part II

Requesting Department: PUBLIC WORKS - Milwaukee Water Works

Project/Program Title: 2011-16 Howard Treatment Improvements

Account No: 04206410R999

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|-------------|-------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$950,000 | \$950,000 |
| 2012 Projection | | | | | \$700,000 | \$700,000 |
| 2013 Projection | | | | | \$1,300,000 | \$1,300,000 |
| 2014 Projection | | | | | \$1,000,000 | \$1,000,000 |
| 2015 Projection | | | | | \$1,000,000 | \$1,000,000 |
| 2016 Projection | | | | | \$1,800,000 | \$1,800,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$6,750,000 | \$6,750,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$6,750,000 | \$6,750,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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: 01/01/11

Estimated Completion Date: _____

Department Head Signature 

Prepared By/Phone Ext Dinah G. Gant/3867

MILWAUKEE WATER WORKS

2011-2016

PUMP FACILITIES PROJECTS

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

Capital Improvement Request Form Part I

Project/Program Title: 2011-16 Pump Facilities Improvements Requesting Department: DPW/Milwaukee Water Works

Prepared By/Phone Ext: Dinah G. Gant/3867 Department Head Signature: _____

Account No: 04206410R999

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 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 \$ |
|-------------------------------|------------------|-------|-------------|
| <u>Please See Attached</u> | _____ | _____ | \$ _____ |
| <u>BMD-52 Water Eng A.xls</u> | _____ | _____ | \$ _____ |
| _____ | _____ | _____ | \$ _____ |

E) In Six Year Capital Improvement Plan

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

F) Project/Program Justification

Milwaukee Water Works' two purification plants - Howard and Linnwood - rely upon various pumping facilities located throughout the system. This program allows Milwaukee Water Works to upgrade and/or replace various aspects (e.g., pumps, valves, electrical and HVAC systems, and the buildings themselves) of the pumping facilities that aid in the efficient distribution of quality water throughout the system.

G) Additional Comments

The 2011 Program year includes projects involving various upgrades or replacements at seven (7) locations throughout the system. The implementation of these projects will be coordinated with the day-to-day operations of the two plants. A multi-year project is addressing pumps and valves at the Riverside Pumping Station. Lincoln Station requires modifications to valves and pumps. Pump improvements at Texas Avenue and at booster stations will improve efficiency and better match volume pumped to system demand. Security upgrades will harden the facilities and improve electronic monitoring at remote locations.

Capital Improvement Request Part II

Requesting Department: PUBLIC WORKS - Milwaukee Water Works

Project/Program Title: 2011-16 Pump Facilities Improvements

Account No: 04206410R999

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|--------------|--------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$2,050,000 | \$2,050,000 |
| 2012 Projection | | | | | \$2,150,000 | \$2,150,000 |
| 2013 Projection | | | | | \$3,100,000 | \$3,100,000 |
| 2014 Projection | | | | | \$900,000 | \$900,000 |
| 2015 Projection | | | | | \$500,000 | \$500,000 |
| 2016 Projection | | | | | \$2,500,000 | \$2,500,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$11,200,000 | \$11,200,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$11,200,000 | \$11,200,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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: 01/01/t1

Estimated Completion Date: _____

Department Head Signature _____
Dinah G. Gant

Prepared By/Phone Ext Dinah G. Gant/3867

MILWAUKEE WATER WORKS

2011-2016

STORAGE FACILITIES PROJECTS

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

Capital Improvement Request Form Part I

Project/Program Title: 2011-16 Storage Facilities Improvements **Requesting Department:** DPW/Milwaukee Water Works
Prepared By/Phone Ext: Dinah G. Gant/3867 **Department Head Signature:** _____
Account No: 04206410R999

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 | \$ |
|-------------------------------|------------------|-------|----------|-------|
| <u>Please See Attached</u> | _____ | _____ | _____ | _____ |
| <u>BMD-52 Water Eng A.xls</u> | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |

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

F) Project/Program Justification
 Milwaukee Water Works' two purification plants - Howard and Linnwood- rely upon various storage facilities located throughout the system. This program allows for evaluating, eliminating or enhancing the storage capacity for the system.

G) Additional Comments
 The 2011 Program year includes the design portion of a project associated with the Lincoln Station Storage Tank. Both interior and exterior coatings of the two tanks at the site are near the end of their useful life and require removal of existing paint and repainting.

Capital Improvement Request Part II

Requesting Department: PUBLIC WORKS - Milwaukee Water Works

Project/Program Title: 2011-16 Storage Facilities Improvements

Account No: 04206410R999

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|--------------|--------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$300,000 | \$300,000 |
| 2012 Projection | | | | | \$2,700,000 | \$2,700,000 |
| 2013 Projection | | | | | \$200,000 | \$200,000 |
| 2014 Projection | | | | | \$2,000,000 | \$2,000,000 |
| 2015 Projection | | | | | \$3,000,000 | \$3,000,000 |
| 2016 Projection | | | | | \$6,000,000 | \$6,000,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$14,200,000 | \$14,200,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$14,200,000 | \$14,200,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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: 01/01/11

Estimated Completion Date: _____

Department Head Signature *Dinah G. Gant*

Prepared By/Phone Ext Dinah G. Gant/3867

MILWAUKEE WATER WORKS

2011-2016

METER REPAIR SHOP PROJECTS

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

Capital Improvement Request Form Part I

Project/Program Title: 2011-16 Meter Repair Shop **Requesting Department:** DPW/Milwaukee Water Works
Prepared By/Phone Ext: Dinah G. Gant/3867 **Department Head Signature:** _____
Account No: 04206410R999

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 | Please See Attached | No. of Positions | FTEs | Salaries | \$ |
|----------------|------------------------|------------------|-------|----------|-------|
| | BMD-52 Water Eng A.xls | _____ | _____ | _____ | _____ |
| | | _____ | _____ | _____ | _____ |
| | | _____ | _____ | _____ | _____ |

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

F) Project/Program Justification
 This program allows for the operations associated with the Business Section's Water Meter Services. In 2010, Meter Services will be housed in two separate facilities. Milwaukee Water Works will continue to review the most efficient way to deliver these services.

G) Additional Comments
 The 2011 Program year includes a project that will evaluate both facilities, including costs to locate Meter Services where it is most efficient to deliver the services required.

Capital Improvement Request Part II

Requesting Department: PUBLIC WORKS - Milwaukee Water Works

Project/Program Title: 2011-16 Meter Repair Shop

Account No: 04206410R999

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|-------------|-------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$150,000 | \$150,000 |
| 2012 Projection | | | | | \$0 | \$0 |
| 2013 Projection | | | | | \$3,000,000 | \$3,000,000 |
| 2014 Projection | | | | | \$0 | \$0 |
| 2015 Projection | | | | | \$0 | \$0 |
| 2016 Projection | | | | | \$0 | \$0 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$3,150,000 | \$3,150,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$3,150,000 | \$3,150,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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: 01/01/11

Estimated Completion Date: _____

Department Head Signature: 

Prepared By/Phone Ext: Dinah G. Gant/3867

MILWAUKEE WATER WORKS

2011-2016

BACKUP POWER GENERATION

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

Capital Improvement Request Form Part I

Project/Program Title: 2011-16 Backup Power Generation **Requesting Department:** DPW/Milwaukee Water Works
Prepared By/Phone Ext: Dinah G. Gant/3867 **Department Head Signature:** _____
Account No: 04206410R999

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 |
|-------------------------------|------------------|-------|----------|
| <u>Please See Attached</u> | _____ | _____ | \$ _____ |
| <u>BMD-52 Water Eng A.xls</u> | _____ | _____ | \$ _____ |
| _____ | _____ | _____ | \$ _____ |

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

F) Project/Program Justification
 During the 2008 Milwaukee Water Works Capital Improvement Budget deliberations, the Common Council allowed for funding of the provision of backup electric power generation for Milwaukee Water Works major treatment plant and pumping facilities. The Riverside Pumping Station Project will begin construction in 2010; Florist is projected to begin construction in 2012 with other locations to be scheduled.

G) Additional Comments
 There are no new projects scheduled in the 2011 program year. The utility is continuing with engineering and project activities currently under contract.

Capital Improvement Request Part II

Requesting Department: PUBLIC WORKS - Milwaukee Water Works

Project/Program Title: 2011-16 Backup Power Generation

Account No: 04206410R999

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|--------------|--------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$0 | \$0 |
| 2012 Projection | | | | | \$4,700,000 | \$4,700,000 |
| 2013 Projection | | | | | \$1,300,000 | \$1,300,000 |
| 2014 Projection | | | | | \$6,000,000 | \$6,000,000 |
| 2015 Projection | | | | | \$0 | \$0 |
| 2016 Projection | | | | | \$0 | \$0 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$12,000,000 | \$12,000,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$12,000,000 | \$12,000,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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: 01/01/11

Estimated Completion Date: _____

Department Head Signature *Dinah G. Gant*

Prepared By/Phone Ext Dinah G. Gant/3867

MILWAUKEE WATER WORKS

2011-2016

CONTINGENCIES

DEPARTMENT OF PUBLIC WORKS
Milwaukee Water Works

Capital Improvement Request Form Part I

Project/Program Title: 2011-16 Capital Projects Contingencies **Requesting Department:** DPW/Milwaukee Water Works
Prepared By/Phone Ext: Dinah G. Gant/3867 **Department Head Signature:** _____
Account No: 04206410R999

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 | Please See Attached | No. of Positions | FTEs | Salaries | \$ |
|----------------|------------------------|------------------|-------|----------|-------|
| | BMD-52 Water Eng A.xls | _____ | _____ | _____ | _____ |
| | | _____ | _____ | _____ | _____ |
| | | _____ | _____ | _____ | _____ |

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

F) Project/Program Justification
 Contingency authorization enables capital improvements to be made in projects where unforeseen conditions or unexpected consequences could compromise the utility's ability to provide sufficient quantity and quality of water, or for projects for which there was insufficient cost information available by budgeting deadlines.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: PUBLIC WORKS - Milwaukee Water Works

Project/Program Title: 2011-16 Capital Project Contingencies

Account No: 04206410R999

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|-------------|-------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$0 | \$0 |
| 2012 Projection | | | | | \$1,000,000 | \$1,000,000 |
| 2013 Projection | | | | | \$0 | \$0 |
| 2014 Projection | | | | | \$2,000,000 | \$2,000,000 |
| 2015 Projection | | | | | \$0 | \$0 |
| 2016 Projection | | | | | \$2,000,000 | \$2,000,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$5,000,000 | \$5,000,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$5,000,000 | \$5,000,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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: 01/01/11

Estimated Completion Date: _____

Department Head Signature: 

Prepared By/Phone Ext: Dinah G. Gant/3867

2011 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

| | | | |
|--|-----------------------------|--|--|
| FUND & PROJECT GRANT NUMBER SM495110000 | | PROJECT/PROGRAM TITLE & LOCATION SEWER MAINTENACE RELAY PROGRAM AT VARIOUS LOCATIONS THROUGHOUT THE CITY OF MILWAUKEE | |
| DIVISION/ SECTION DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES | | | |
| DATE | PREPARED BY/PHONE | | |
| 3/18/2010 | MARTIN A. AQUINO / 286-2462 | | |
| PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION | | | |
| <p>The capital sewer program is a necessary function of City government because it is critical to public health and safety, reduces lake and river pollution, preserves neighborhood vitality and is needed for new growth and development. As an adjunct, the sewer program provides citizen employment and opportunities for enterprising businesses, as all capital sewer projects are constructed by private contract.</p> <p>Sewer Maintenance Relay Program construction, as part of the City's infrastructure maintenance, involves the replacement, and in many cases, the enlargement of existing combined, sanitary and storm sewers. There are four categories of projects in the Sewer Maintenance Relay Program.</p> <ol style="list-style-type: none"> 1. BACKWATER PROJECTS: Through rainfall and high ground water conditions, unwanted clear water enters the main sewer through cracks and joints in the sewer itself, building sewers, building footing drains and illegal/illicit sump pump and roof drain connections. When the main sewer is filled beyond its capacity (surcharged), the hydraulic pressure can reverse the direction of flow in the building sewers and cause the sewage to back up through the floor drains and flood basements (backwater). 2. CONDITION PROJECTS: The City's infrastructure needs to be adequately maintained. Sewers deteriorate and eventually fail to function. Although certain defects are tolerated, it is not acceptable to wait for failure to occur before taking corrective action. The reasons for taking preventive action are the public health threat, potential liability, premium costs paid for emergency repairs, unnecessary neighborhood disruptions and potentially large expenses for removing and replacing appurtenances in excess of that encountered with preventive sewer reconstruction. 3. HYDRAULIC CAPACITY PROJECTS: The hydraulic capacity of a sewer is determined by more than just its physical size. Also contributing to the capacity is the material from which it is constructed (roughness of the surface which changes over time), the type of flow (sewage contents), the pitch of the sewer (slope) and the capacity of the outlet (next sewer downstream). When sewers are determined to be hydraulically inadequate, preventive repairs must be performed to prevent surcharged conditions and the associated effects. 4. SEWER STRUCTURE CONSTRUCTION AND REHABILITATION: These projects will be performed on an as needed basis in response to unanticipated problems such as backwater or flooding problems. <p>There are three alternatives to the Sewer Maintenance Relay Program.</p> <ol style="list-style-type: none"> 1. Eliminate the program and allow sewage to back up into buildings and onto streets creating a health and safety hazard. 2. Eliminate the program and only do emergency repairs where collapses occur. Emergency repairs will require larger amounts of money than if the sewer were repaired prior to collapse. 3. Eliminate the program and install sewage holding tanks for the areas which had been served by the failed sewer. <p>None of these alternatives are considered to be in the best interest of the City.</p> | | | |

Capital Improvement Request Form Part I

Project/Program Title: Sewer Maintenance Relay at various locations in the City of Milwaukee
 Requesting Department: Department of Public Works - Infrastructure Services
Prepared By/Phone Ext: Martin A. Aquino 286-2462
 Department Head Signature: _____
Account No: SM495110000

A) Department Priority _____ of _____ **Useful Life** 90 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
 See attached sheet

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: Department of Public Works - Infrastructure Services

Project/Program Title: Sewer Maintenance Relay at various locations in the City of Milwaukee

Account No: SM495110000

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|---------------|---------------|
| Remaining Balance for 2010 | | | | | \$0 | \$0 |
| 2011 Budget Request | | | | | \$29,000,000 | \$29,000,000 |
| 2012 Projection | | | | | \$30,000,000 | \$30,000,000 |
| 2013 Projection | | | | | \$31,000,000 | \$31,000,000 |
| 2014 Projection | | | | | \$31,000,000 | \$31,000,000 |
| 2015 Projection | | | | | \$32,000,000 | \$32,000,000 |
| 2016 Projection | | | | | \$33,000,000 | \$33,000,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$186,000,000 | \$186,000,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$186,000,000 | \$186,000,000 |

Life to Date Expenditures (Project Only)

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

Available Cost Estimate:

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

| | | | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| Were cost estimates confirmed by another source? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Are cost estimates based on industry standards? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Will city employees be performing any portion of the work? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Did you perform a cost/benefit analysis? | <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
- Yes No Uncertain
- Yes No Uncertain
- Yes No Uncertain

How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: 01/01/11

Estimated Completion Date: On-Going

Department Head Signature

Prepared By/Phone Ext

Martin A. Aquino 286-2462

2011 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

| | | | |
|---|-----------------------------|----------------------------------|--|
| FUND & PROJECT GRANT NUMBER | | PROJECT/PROGRAM TITLE & LOCATION | |
| | | BMPs for TSS Reduction (NR 151) | |
| DIVISION/ SECTION | | | |
| DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES | | | |
| DATE | PREPARED BY/PHONE | | |
| 3/16/2010 | MARTIN A. AQUINO / 286-2462 | | |
| <u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u> | | | |
| <p>Rainwater finds its way into waterways such as creeks, streams or rivers by flowing over the surface or through the soil just below the surface. As it flows over streets and parking lots, and then through storm sewers that empty into the waterways, the water will carry contaminating material called Total Suspended Solids (TSS). TSS are solids in water that can be trapped by a filter. TSS can include a wide variety of material, such as silt, decaying plant and animal matter, industrial wastes, and sewage. High concentrations of suspended solids can cause many problems for stream health and aquatic life.</p> <p>The City of Milwaukee, as required by the Department of Natural Resources' (DNR) regulation in Chapter 151, regulates runoff quality in the separated storm sewer system areas in the City of Milwaukee. Under NR 151, a municipality such as Milwaukee, must to the maximum extent practicable, implement a program to help reduce TSS by 40% in runoff that enters waters of the state by March 10, 2013.</p> <p>In order to achieve the 40% TSS reduction goal by 2013, the City of Milwaukee proposes to construct various Best Management Practices (BMPs) such as green streets, rain gardens, wet detention ponds, bioinfiltration areas, and end of pipe treatments throughout the separated storm sewer system area in the City of Milwaukee.</p> <p>The BMPs will help improve the quality of stormwater runoff discharged into the public waterways and improve the general health of the watersheds or the drainage areas. This will be a continuous project that is anticipated to start in early 2009 and continue until the 40% TSS reduction goal is reached by 2013.</p> | | | |
| | | | |

Capital Improvement Request Form Part I

Project/Program Title: BMPs for TSS Reduction (NR 151) Requesting Department: DPW
 Prepared By/Phone Ext: Martin Aquino / 286-2462 Department Head Signature: _____
 Account 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 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
 Please see attached sheet.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW - Infrastructure Services

Project/Program Title: BMPs for TSS Reduction (NR 151) Account No: _____

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|-------------|-------------|
| Remaining Balance for 2010 | | | | | | \$0 |
| 2011 Budget Request | | | | | \$2,000,000 | \$2,000,000 |
| 2012 Projection | | | | | \$2,000,000 | \$2,000,000 |
| 2013 Projection | | | | | \$2,000,000 | \$2,000,000 |
| 2014 Projection | | | | | \$0 | \$0 |
| 2015 Projection | | | | | \$0 | \$0 |
| 2016 Projection | | | | | | \$0 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$6,000,000 | \$6,000,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$6,000,000 | \$6,000,000 |

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 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: 01/01/11

Estimated Completion Date: 12/31/13

Department Head Signature _____

Prepared By/Phone Ext _____

2011 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

| | | | |
|--|-----------------------------|--|--|
| FUND & PROJECT GRANT NUMBER | | PROJECT/PROGRAM TITLE & LOCATION Sanitary Pump Rehabilitation Project | |
| DIVISION/ SECTION DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES | | | |
| DATE | PREPARED BY/PHONE | | |
| 3/16/2010 | MARTIN A. AQUINO / 286-2462 | | |
| <u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u> | | | |
| <p>The City of Milwaukee owns and maintains approximately 89 pump facilities. These pump facilities consist of 6 sanitary lift stations, and 83 sanitary bypass pump stations. The sanitary lift stations are required to convey sanitary wastewater from low-lying areas where gravity sewers are not available, to the Milwaukee Metropolitan Sewerage District (MMSD) for treatment. The sanitary bypass pump stations are required to reduce the risk of sewage from backing up into resident's homes and businesses and creating a health hazard and expensive clean-up of their property. These pump stations are located in areas that have historically had sewer backup occurrences during periods of heavy rain due to excessive stormwater or ground water entering into municipal wastewater systems.</p> <p>The Pump Facility Program funds the rehabilitation and replacement of these facilities. Without this funding, these pumping stations will fail to operate. Failure of the sanitary lift stations will result in:</p> <ul style="list-style-type: none"> • Overflows of sanitary sewage onto the ground, streets, and waterways near the lift stations. This is in violation of DNR rules and creates a public health hazard. • Loss of sanitary sewer service for the existing areas that currently rely on the lift stations. • Loss of potential development for areas tributary to the lift stations. <p>Failure of the sanitary bypass pump stations will result in:</p> <ul style="list-style-type: none"> • Sanitary sewage back-ups into residential homes and businesses, causing a health hazard and extensive damage. | | | |
| | | | |

Capital Improvement Request Form Part I

Project/Program Title: Sanitary Pump Rehabilitation Project

Requesting Department: Department of Public Works - Infrastructure Services

Prepared By/Phone Ext: Martin A. Aquino 286-2462

Department Head Signature: _____

Account 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 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

Please see attached sheet.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: Department of Public Works - Infrastructure Services

Project/Program Title: Sanitary Pump Rehabilitation Project

Account No: _____

| 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 | | | | | \$500,000 | \$500,000 |
| 2015 Projection | | | | | \$500,000 | \$500,000 |
| 2016 Projection | | | | | \$500,000 | \$500,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$4,500,000 | \$4,500,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$4,500,000 | \$4,500,000 |

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 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: _____ on going

Department Head Signature _____

Prepared By/Phone Ext _____

2011 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

| | | | |
|---|-----------------------------|---|--|
| FUND & PROJECT GRANT NUMBER | | PROJECT/PROGRAM TITLE & LOCATION Infiltration/Inflow Reduction Program | |
| DIVISION/ SECTION DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES | | | |
| DATE | PREPARED BY/PHONE | | |
| 3/16/2010 | MARTIN A. AQUINO / 286-2462 | | |
| <u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u> | | | |
| <p>Infiltration and Inflow is often referred to as I/I and is the occurrence of stormwater or ground water entering into municipal wastewater systems. This extraneous water enters the sanitary sewer system through cracked pipes, leaking manholes as well as downspouts, sump pumps and foundation drains from homes that are connected directly to the sanitary sewer system. Once this stormwater enters the sanitary sewer it adds to the daily volume of wastewater that must be collected, pumped and treated by the Milwaukee Metropolitan Sewerage District (MMSD).</p> <p>When too much excess water enters our sewers as Infiltration or Inflow the following problems may occur:</p> <ul style="list-style-type: none"> • Sewage may backup into residents homes creating a health hazard and an expensive cleanup of their property; • Sewage may overflow from manholes or bypass treatment facilities contaminating properties as well as rivers, and Lake Michigan; • Infiltration and inflow will use up existing hydraulic capacity in our sewers which will restrict the opportunity for growth; • Excessive water in our sewers will decrease the efficiency of MMSD's treatment plants and will result in higher operating costs of these plants as well as increased utility bills to residents. <p>Starting in 2008 the City of Milwaukee is required to undertake major maintenance and rehabilitation work based on State of Wisconsin and MMSD requirements. In December 2005, the City of Milwaukee and 27 other communities served by MMSD and Wisconsin Department of Justice (DOJ) agreed to a Stipulation that had a goal of addressing overflows in these communities. According to the stipulation, the City was ordered to perform certain corrective actions, chief among which is to inspect the City's sanitary manholes once every five years and to perform any needed corrective actions within 18 months of discovery. Additionally, the City is required to complete and report to the Department of Natural Resources (DNR) the capacity evaluation of the 17 bypass locations listed in the stipulation. If a system lacks capacity, the City must submit an action plan to provide sufficient capacity or take other reasonable and cost-effective actions. Based on the results of the capacity analysis, it is anticipated that corrective actions such as sealing and lining of sanitary sewers will be required. In addition, the MMSD as required by an earlier Stipulation agreement with the DOJ in 2002 has revised its Chapter 3 rules to achieve certain reductions in the amounts of I/I in the district's system. The new rules will also cause additional rehabilitation work on the City's part. Lastly, as MMSD's 2020 Facilities Plan as adopted by the DNR will require additional rehabilitation work by the City.</p> | | | |

Capital Improvement Request Form Part I

Project/Program Title: Infiltration/Inflow Reduction Program **Requesting Department:** Department of Public Works - Infrastructure Services
Prepared By/Phone Ext: Martin A. Aquino 286-2462 **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** _____

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
 Please see attached sheet.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: Department of Public Works - Infrastructure Services

Project/Program Title: Infiltration/Inflow Reduction Program

Account No: _____

| Year | Tax Levy/Borrowing | Grant & Aid | Revenue | Special Assessment | Enterprise | Total Cost |
|----------------------------|--------------------|-------------|---------|--------------------|--------------|--------------|
| Remaining Balance for 2010 | | | | | | \$0 |
| 2011 Budget Request | | | | | \$6,370,000 | \$6,370,000 |
| 2012 Projection | | | | | \$4,890,000 | \$4,890,000 |
| 2013 Projection | | | | | \$4,900,000 | \$4,900,000 |
| 2014 Projection | | | | | \$3,000,000 | \$3,000,000 |
| 2015 Projection | | | | | \$3,000,000 | \$3,000,000 |
| 2016 Projection | | | | | \$3,000,000 | \$3,000,000 |
| Total Six Year Cost | \$0 | \$0 | \$0 | \$0 | \$25,160,000 | \$25,160,000 |
| Total Project Cost | \$0 | \$0 | \$0 | \$0 | \$25,160,000 | \$25,160,000 |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| 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 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: 01/01/11

Estimated Completion Date: on going

Department Head Signature _____

Prepared By/Phone Ext _____