

# Capital Improvement Request Form Part I

Project/Program Title: Fleet - Major Capital Equipment

Requesting Department: DPW - Operations - Fleet

Prepared By/Phone Ext: Chuck Schumacher x 3271

Department Head Signature: *Charles Kuban*

Account No: BU110121000

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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This project involves the annual replacement of major capital fleet equipment that has exceeded its expected life and is beyond economical repair. An analysis of the City's fleet of motor vehicles indicates that at a point in a vehicle's life cycle, the cost of operating that vehicle begins to rise as downtime and frequency of repairs increase.

G) Additional Comments

## Capital Improvement Request Part II

Requesting Department: DPW - Operations - Fleet

Project/Program Title: Fleet - Major Capital Equipment

Account No: \_\_\_\_\_

Special Assessment

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Enterprise	Total Cost
Remaining Balance for 2015					\$0
2016 Budget Request	\$6,725,000				\$6,725,000
2017 Projection	\$13,776,000				\$13,776,000
2018 Projection	\$13,776,000				\$13,776,000
2019 Projection	\$14,850,000				\$14,850,000
2020 Projection	\$14,700,000				\$14,700,000
2021 Projection	\$14,950,000				\$14,950,000
<b>Total Six Year Cost</b>	<b>\$78,777,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$78,777,000</b>
<b>Total Project Cost</b>	<b>\$78,777,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$78,777,000</b>

Life to Date Expenditures (Project Only)

	2016	2017	2018	2019	2020	2021
Available Cost Estimate:						
Thorough Cost Estimate	<input checked="" type="checkbox"/>					
Limited Information	<input type="checkbox"/>					
Based on Cost of Similar Projects	<input type="checkbox"/>					
Unsupported	<input type="checkbox"/>					

Were cost estimates confirmed by another source?

Are cost estimates based on industry standards?

Will city employees be performing any portion of the work?

Did you perform a cost/benefit analysis?

How will this project impact city operating expenditures?

Estimated Start Date: 01/05/16

Estimated Completion Date: 12/31/21

Department Head Signature: 

Prepared By/Phone Ext: Chuck Schumacher x3271

# CIC - Capital Improvement Request Part III

Department: DPW - Operations - Fleet	Date Submitted: 3/17/2015
Project/Program: Fleet - Major Capital Equipment	
Prepared By: Chuck Schumacher x 3271	Current Request: \$6,725,000
Dept Head: Ghassan Korban	6 Yr Total: \$78,777,000

**General Project/Program Description:**  
 This project involves the annual replacement of major capital fleet equipment that has exceeded its expected life and is beyond economical repair. An analysis of the City's fleet of motor vehicles indicates that at a point in a vehicle's life cycle, the cost of operating that vehicle begins to rise as downtime and frequency of repairs increase.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
X				Does the project mitigate an immediate risk?

**Comments / Other Considerations:**  
 New vehicles are safer than older vehicles, which may have damage and wear and tear.

Yes	No	N/A	Amount	Regulatory Compliance
	X			Does the project address a legislative, regulatory or court-ordered mandate?
	X			Does the project promote long-term regulatory compliance?
	X			Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**  
 There is no regulatory compliance to consider.

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
X				Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
X				Will the project lead to a reduction in operating costs?
X				Will the project lead to increased productivity or service improvements?
		X		Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
X				Will the project result in a reduction in energy use?
X				Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**  
 An analysis of the City's fleet of motor vehicles indicates that at a point in a vehicle's life cycle, the cost of operating that vehicle begins to rise as downtime and frequency of repairs increase. Additionally, many new vehicles are more fuel efficient than older models, but it is a case by case basis. Finally, some of these vehicles will use alternative fuels.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: **Fleet - Major Capital Equipment**

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
				<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>
		X		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable <b>Comprehensive Plan, special study, survey, committee or board?</b>
		X		Does the project increase or enhance <b>educational opportunities</b> for City of Milwaukee citizens?
		X		Does the project increase or enhance <b>recreational opportunities and/or green space?</b>
		X		Will the project <b>mitigate blight?</b>
		X		Does the project target the <b>quality of life</b> of all citizens?
		X		Does the project preserve or improve the <b>historical or natural heritage</b> of the City?
		X		Is the project consistent with <b>established community character?</b>
		X		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		X		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<b>Comments / Other Considerations:</b>				
This is for vehicles, no area plan implications.				
				<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
		X		Does this project extend the useful life of an existing facility?
		X		Do <b>maintenance costs</b> exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate <b>new technology</b> that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
		X		Will this project improve the functionality or service life of <b>other related infrastructure?</b>
<b>Comments / Other Considerations:</b>				
The project does not include a facility.				
				<b>Economic / Community Development</b>
		X		Does the project have the potential to promote economic/community development in areas where <b>growth is desired?</b>
		X		Will the project continue to promote or enhance economic/community development in an already developed area?
		X		Is the <b>net impact</b> of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project <b>produce desirable jobs</b> in the City?
		X		Will the project <b>rejuvenate an area</b> that needs assistance?
		X		Will the project promote the <b>equitable distribution</b> of the costs and benefits of development?
<b>Comments / Other Considerations:</b>				
The project does not directly effect economic or community development.				
				<b>Special Considerations</b>
	X			Is there a significant <b>external funding source</b> that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	X			Are there <b>critical timing issues</b> associated with this project?
	X			Are there <b>inter-jurisdictional considerations?</b>
	X			Can you quantify the impacts of a delay in this project?
<b>Comments / Other Considerations:</b>				
None, where applicable, grant funding is used for alternative fuels, but no specific grant is known at this time.				

Equipment Name	Units	Cost Each	Dollars
Crane, Sidewalk Excavator	1	287,000	287,000
Stump Cutter	1	55,000	55,000
Sweeper	2	196,000	392,000
Tractor, Front-End Wheel Loader	1	155,000	155,000
Tractor, Trencher w/Breaker, Trailer	1	55,000	55,000
Truck, Digger-Derrick	1	220,000	220,000
Truck, Dump, 2 Yard w/Crane	8	52,000	416,000
Truck, Dump, 5 Yard	1	120,000	120,000
Truck, Dump, 5 Yard w/Underbody Plow	6	170,000	1,020,000
Truck, Dump, 16 Yard Tri-Axle	2	160,000	320,000
Truck, Packer, 25 Yard Rearload/Recycle	7	285,000	1,995,000
Truck, Packer, 27 Yard Automated Recycle	3	380,000	1,140,000
Truck, Platform/Compressor	2	80,000	160,000
Truck, Step Van	1	120,000	120,000
Truck, Wrecker, Heavy Equipment	1	270,000	270,000

**Submitted Level for 2016**

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**6,725,000**

# Capital Improvement Request Form Part I

Project/Program Title: Tree Planting and Production  
 Prepared By/Phone Ext: David Sivyer, X3729  
 Account No: PR58180100

Requesting Department: DPW-Operations-Forestry  
 Department Head Signature: *Sharon Kuhn*

A) Department Priority 1 of 6 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

Energy Efficiency Candidate  Yes  No

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 32 Total FTEs 13.3

Position Title	No. of Positions	FTEs	Salaries
Urban Forestry Staff	24	9.0	\$ 751,863
Urban Forestry Technician	1	1.0	\$ 108,500
Nursery Staff	7	3.3	\$ 275,423

E) In Six Year Capital Improvement Plan  
 Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This request for 6,179 trees includes the replacement of 610 street trees removed in street construction projects completed in 2015, the replacement of 4,763 diseased or dead street trees removed in 2014, and funding for an additional 806 replacement trees not funded in the 2015 request. The Environmental Services section of the Operation's Division has identified a 98% street tree stocking goal and improved intra-block 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

The average number of trees removed annually has increased to 5,043 trees annually (3 yr ave) due to increased funding for the local streets paving program and an aging population of Norway Maple street trees. The Forestry Section has long maintained a goal of providing a replacement tree within one year of removal. Currently, however, only 49% of all trees removed are planted within 12 months of removal. 37.6% are planted within 18 months of removal; 8.7% are planted within 24 months of removal and 4.0% are planted later than 24 months after removal. Tree planting schedules are largely a function of Urban Forestry Specialist staffing levels, tree availability, and stump removal backlogs. Contract tree planting will need to be considered in 2016 to provide for more timely tree replacement and prevent growth in a tree planting backlog.

# Capital Improvement Request Part II

Requesting Department: DPW-Operations-Forestry Account No: PR58180100  
 Project/Program Title: Tree Planting and Production

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request	\$1,895,000					\$1,895,000
2017 Projection	\$1,630,000					\$1,630,000
2018 Projection	\$1,630,000					\$1,630,000
2019 Projection	\$1,630,000					\$1,630,000
2020 Projection	\$1,630,000					\$1,630,000
2021 Projection	\$1,630,000					\$1,630,000
<b>Total Six Year Cost</b>	<b>\$10,045,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,045,000</b>
<b>Total Project Cost</b>	<b>\$10,045,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,045,000</b>

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2016	2017	2018	2019	2020	2021
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 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"/>					

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: 03/01/16

Estimated Completion Date: 11/30/16

Department Head Signature



Prepared By/Phone Ext

David Sivyer X 3729

## CIC - Capital Improvement Request Part III

Department:	Department of Public Works - Operations Division - Forestry	Date Submitted:
Project/Program:	Tree Planting and Production	Current Request:
Prepared By:	David Sivyer	6 Yr Total:
Dept Head:	Ghassan Korban	

**General Project/Program Description:**  
 This request for 6,179 trees includes the replacement of 610 street trees removed in street construction projects completed in 2015; and replacement of 4,763 diseased or dead street trees removed in 2014. The Forestry section has identified a 98% street tree stocking goal and improved intra-block street tree diversity as short and long-range goals.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
	X			Does the project directly reduce risks to people or property?
	X			Does the project directly promote improved health or safety?
	X			Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
X				Does the project address a legislative, regulatory or court-ordered mandate?
X				Does the project promote long-term regulatory compliance?
	X			Will there be a serious negative impact on the City if compliance is not achieved?
X				Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**  
 Trees planted along streets reduce storm water runoff, total suspended solids, and non-point source pollutants

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
	X			Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
	X			Will the project lead to a reduction in operating costs?
	X			Will the project lead to increased productivity or service improvements?
X			No increase	Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
X			Tree sales to othe cities	Is there a revenue generating opportunity? (e.g. user fees)
X				Will the project result in a reduction in energy use?
	X			Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**  
 The Nursery generates over \$100,000 annually in nursery plant sales, including trees, to external customers. Street trees reduce energy use for cooling and extend pavement life.

## CIC - Capital Improvement Request Part III (cont'd)

**Project/Program:** Tree Planting and Production

*Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Compliance with Area Plans - <i>Comprehensive Area Plans adopted by the Common Council are available on DCD's website</i>
X				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
X				Does the project increase or enhance recreational opportunities and/or green space?
X				Will the project mitigate blight?
X				Does the project target the quality of life of all citizens?
X				Does the project preserve or improve the historical or natural heritage of the City?
X				Is the project consistent with established community character?
	X			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
X				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?

**Comments / Other Considerations:**

Benefits of this program are urban tree canopy, increased property values and neighborhood quality, and decreases in storm water runoff, energy consumption, and air pollution

Yes	No	N/A	Amount	Infrastructure - <i>Primarily recurring infrastructure and facility preservation programs</i>
		X		How does the request affect the replacement cycle? Provide specifics below.
X				Has the facility being replaced exceeded its useful life?
	X			Does this project extend the useful life of an existing facility?
X				Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
		X		Will this project improve the functionality or service life of other related infrastructure?

**Comments / Other Considerations:**

Program replaces street trees (infrastructure) that has exceeded its useful life. Long-term maintenance costs exceed replacement cost but are lower than quantitative benefits derived from a well maintained street tree population.

Yes	No	N/A	Amount	Economic / Community Development
X				Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
	X			Would an alternate location for this project provide a greater positive economic impact?
X				Will the project produce desirable jobs in the City?
X				Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?

**Comments / Other Considerations:**

Numerous studies have documented the economic benefit of trees in terms of community and economic development and stability.

Yes	No	N/A	Amount	Special Considerations
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
X				Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
X				Can you quantify the impacts of a delay in this project?

**Comments / Other Considerations:**

# Capital Improvement Request Form Part I

Project/Program Title: Emerald Ash Borer Response

Requesting Department: DPW - Operations - Forestry

Prepared By/Phone Ext: David Sivyer, X 3729

Department Head Signature: *Gregory Kuban*

Account No: PR58180600

A) Department Priority 2 of 6 Useful Life NA Years Level of Need  Essential  Important  Desired

Type of Project  New  Replacement  Repair  On-Going Program

Project/Program Scope  Fully Defined  Partially Defined

Energy Efficiency Candidate  Yes  No

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 catastrophic loss of tree canopy benefits and property values in neighborhoods with ash street trees

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 Specialist</u>	<u>12</u>	<u>4.0</u>	<u>\$ 339,321</u>
<u>Urban Forestry Manager</u>	<u>3</u>	<u>1.0</u>	<u>\$ 144,870</u>
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

Milwaukee's 194,000 street trees constitute a \$280 million capital asset. A 4-6 year old Emerald Ash Borer (EAB) infestation was confirmed in Milwaukee in 2012. EAB is responsible for killing tens of millions of ash trees in the US. Risk assessment work completed by the Forestry Section has identified 31,500 existing ash street trees having a capital asset value exceeding \$50 million and representing 16.2% 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 treat 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. Chemical residual testing conducted at UW Madison in 2012 confirm current dosing and treatment frequency is most cost effective to protect the City's ash street trees.

G) Additional Comments

The cost to remove and replace the city's 31,500 ash street trees is conservatively estimated at \$31 million. As EAB is well established in the City of Milwaukee, in the absence of treatment the City's 31,500 ash street trees would be expected to die over a 6-8 year period. Annual removal and replacement costs for 4,000 trees annually would approximate \$4 million. This request includes \$45,000 to treat an additional 1,200 -1,400 healthy ash street trees that were less than 8" diameter in 2009 when the treatment program began and have not been previously treated.

# Capital Improvement Request Part II

Requesting Department: DPW-Operations-Forestry

Project/Program Title: Emerald Ash Borer Response

Account No: PR58180600

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment		Enterprise	Total Cost
				Special Assessment	Enterprise		
Remaining Balance for 2015							\$0
2016 Budget Request	\$1,000,000						\$1,000,000
2017 Projection	\$1,000,000						\$1,000,000
2018 Projection	\$1,000,000						\$1,000,000
2019 Projection	\$1,000,000						\$1,000,000
2020 Projection	\$1,000,000						\$1,000,000
2021 Projection	\$1,000,000						\$1,000,000
<b>Total Six Year Cost</b>	<b>\$6,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,000,000</b>
<b>Total Project Cost</b>	<b>\$6,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,000,000</b>

Life to Date Expenditures (Project Only)

	2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Available Cost Estimate:**

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- 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: 05/01/16

Estimated Completion Date: 09/30/16

Department Head Signature



Prepared By/Phone Ext

David Siver X3729

# CIC - Capital Improvement Request Part III

Department:	DPW - Operations - Forestry	Date Submitted:	3/17/2015
Project/Program:	Emerald Ash Borer Response		
Prepared By:	David Sivyer	Current Request:	\$1,000,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$6,000,000

**General Project/Program Description:**  
 Milwaukee's 33,000 ash street trees constitute a \$47 million capital asset. A 4-6 year old Emerald Ash Borer (EAB) infestation was confirmed in Milwaukee in 2012. EAB kills all unprotected trees. To manage public risk associated with EAB, the Forestry Section plans to treat 1/2 of the ash street tree population annually while transitioning to resistant species over time.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
X				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
X				Does the project address a legislative, regulatory or court-ordered mandate?
X				Does the project promote long-term regulatory compliance?
X				Will there be a serious negative impact on the City if compliance is not achieved?
X				Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
X				What return on investment will this project generate?
		X		What is the expected payback period for this project?
	X			Does the project minimize life-cycle costs?
		X		Will the facility require additional personnel to operate?
X				Will the project lead to a reduction in operating costs?
		X		Will the project lead to increased productivity or service improvements?
		X		Will the facility require significant annual maintenance?
		X		Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
		X		Is there a revenue generating opportunity? (e.g. user fees)
		X		Will the project result in a reduction in energy use?
		X		Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
X				Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:  
 The cost to remove and replace the city's 33,000 ash street trees is conservatively estimated at \$28 million. As EAB is well established in the City of Milwaukee, in the absence of treatment 28,000 protected ash street trees would be expected to die over a 6-8 year period. Annual removal and replacement costs for 4,000 trees annually would approximate \$3.4 million.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Emerald Ash Borer Response

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>				
X				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	X			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
X				Does the project increase or enhance recreational opportunities and/or green space?
X				Will the project mitigate blight?
X				Does the project target the quality of life of all citizens?
X				Does the project preserve or improve the historical or natural heritage of the City?
X				Is the project consistent with established community character?
		X		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
X				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<b>Comments / Other Considerations:</b>				
The City's ash street trees and general public would be at significant risk without the injection program. An uncontrolled ash borer infestation will result in the sudden decline and eventual death of 33,000 ash street trees and significantly impact public safety, quality of life, neighborhood stability, storm water reduction, energy use, and increase blight across the City.				
<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>				
X				How does the request affect the replacement cycle? Provide specifics below.
	X			Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
	X			Do maintenance costs exceed replacement costs?
X				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
X				Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?
<b>Comments / Other Considerations:</b>				
The project protects 17% of the City Street Tree Infrastructure; a \$47 million asset, and supports a transition to resistant species over time and within existing budget and staffing allocations. At a cost of approximately \$35.00 per tree/year, the injection program extends the life of a protected tree and avoids the expense of removal and replacement (\$850.00/tree).				
<b>Economic / Community Development</b>				
X				Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
	X			Would an alternate location for this project provide a greater positive economic impact?
X				Will the project produce desirable jobs in the City?
X				Will the project rejuvenate an area that needs assistance?
	X			Will the project promote the equitable distribution of the costs and benefits of development?
<b>Comments / Other Considerations:</b>				
The project preserves the myriad of benefits afforded by a healthy street tree population, including neighborhood stability and community development.				
<b>Special Considerations</b>				
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
X				Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
X				Can you quantify the impacts of a delay in this project?
<b>Comments / Other Considerations:</b>				
The cost to remove and replace the city's 33,000 ash street trees is conservatively estimated at \$28 million. As EAB is well established in the City of Milwaukee, in the absence of treatment 28,000 protected ash street trees would be expected to die over a 6-8 year period. Annual removal and replacement costs for 4,000 trees annually would approximate \$3.4 million.				

# Capital Improvement Request Form Part I

Project/Program Title: Stump Removal

Requesting Department: DPW-Operations-Forestry

Prepared By/Phone Ext: David Sivyer, X 3729

Department Head Signature: *Ghassan Kaban*

Request No: PR58180700

A) Department Priority 3 of 6 Useful Life NA Years Level of Need  Essential  Important  Desired

Type of Project  New  Replacement  Repair  On-Going Program

Project/Program Scope  Fully Defined  Partially Defined

Energy Efficiency Candidate  Yes  No

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 Tied to City 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 0 Total FTEs 0.0

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

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

The Forestry Section generates an average of 3,600 new stumps annually from the removal of dead and dying street trees and street trees impacted by local street paving and sidewalk construction programs. At current staffing levels the Forestry section has the capacity to remove approximately 2,300 stumps annually, resulting in an annual deficit of 1,300 stumps. Forestry ended 2014 with a backlog of 3,155 stumps. Similarly, a stump backlog of 2,850 stumps is projected at the end of 2015. This request sustains a funding level sufficient to remove 1,300 stumps annually through a contract workforce. As new street trees are typically planted in the same location as existing stumps, prolonged backlogs in stump removals create backlogs in tree planting.

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: DPW-Operations-Forestry

Project/Program Title: Stump Removal

Account No: PR58180700

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request	\$360,000					\$360,000
2017 Projection	\$360,000					\$360,000
2018 Projection	\$360,000					\$360,000
2019 Projection	\$360,000					\$360,000
2020 Projection	\$360,000					\$360,000
2021 Projection	\$360,000					\$360,000
<b>Total Six Year Cost</b>	<b>\$2,160,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,160,000</b>
<b>Total Project Cost</b>	<b>\$2,160,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,160,000</b>

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

- 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: 03/01/16

Estimated Completion Date: 12/01/16

Department Head Signature

*Chessa Kuhn*

Prepared By/Phone Ext

David Sivyer, X 3729

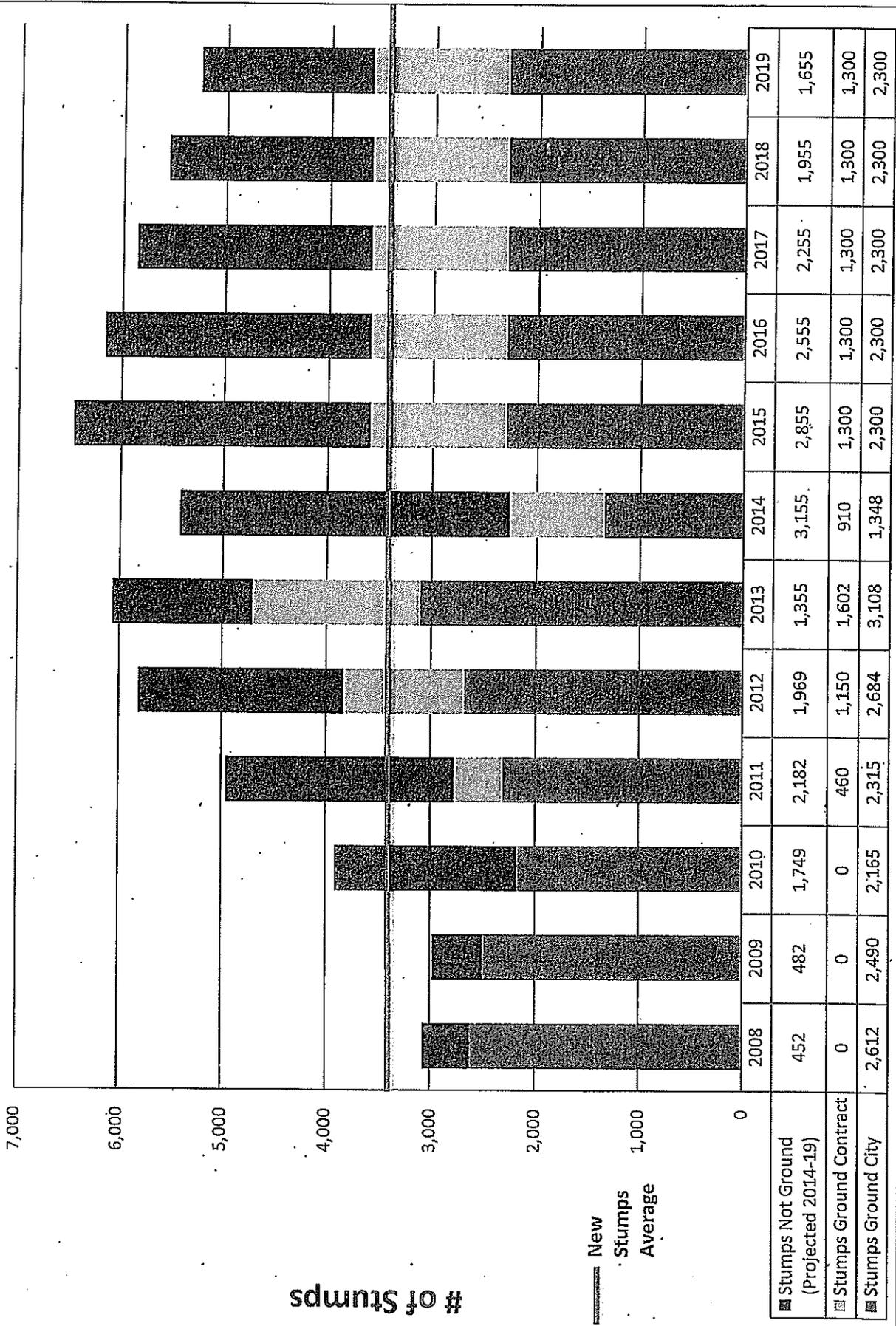
Stump Removal 2008-2019  
 Proposed 2015 Budget with  
 Contract Option  
 22-Oct-14

*2015 Budget Hearings*

Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
New Stumps to Grind	3,064	2,460	3,432	3,208	3,621	4,096	4,058	3,300	3,300	3,300	3,300	3,300
Carry Over Stumps to Grind		452	482	1,749	2,182	1,969	1,355	3,155	2,855	2,555	2,255	1,955
Stumps Ground City	2,612	2,490	2,165	2,315	2,684	3,108	1,348	2,300	2,300	2,300	2,300	2,300
Stumps Ground Contract	0	0	0	460	1,150	1,602	910	1,300	1,300	1,300	1,300	1,300
TOTAL STUMPS GROUND	2,612	2,490	2,165	2,775	3,834	4,710	2,258	3,600	3,600	3,600	3,600	3,600
Stumps Not Ground (Projected 2014-19)	452	482	1,749	2,182	1,969	1,355	3,155	2,855	2,555	2,255	1,955	1,655
*Years 2014-2019 estimated												
UFS Staffing level	126	123	113	103	100	97	93	106	109	109	109	109

Assumes maintaining 109 UFS authorization levels and \$360,000 annual contract stumping with \$510,000 annual funding for an Urban Forestry Specialist training crew 2015-2019

# Stump Removal - Contract Option



# of Stumps

New Stumps  
 Average  
 Stumps Ground City

# CIC - Capital Improvement Request Part III

Department:	DPW - Operations - Forestry	Date Submitted:	3/17/2015
Project/Program:	Stump Removal	Current Request:	\$360,000
Prepared By:	David Sivyer	6 Yr Total:	\$2,160,000
Dept Head:	Ghassan Korban		

**General Project/Program Description:**  
 The Forestry Section generates an average of 3,600 new stumps annually from the removal of dead and dying street trees and street trees impacted by local street paving and sidewalk construction programs. Current understaffing levels result in an annual deficit of 1,300 stumps that need to be removed with a contract workforce to support timely replanting.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
X				Does the project mitigate an immediate risk?

**Comments / Other Considerations:**  
 Stumps in the tree border represent a potential tripping hazard and are unsightly.

Yes	No	N/A	Amount	Regulatory Compliance
	X			Does the project address a legislative, regulatory or court-ordered mandate?
	X			Does the project promote long-term regulatory compliance?
X				Will there be a serious negative impact on the City if compliance is not achieved?
	X			Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**  
 As replacement trees are planted in the same location as existing stumps, a backlog in stumps will create a backlog in tree planting.

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
	X			Will the project lead to a reduction in operating costs?
X				Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
	X			Will the project result in a reduction in energy use?
	X			Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**  
 Timely removal of stumps will allow new replacement street trees to be planted.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: **Stump Removal**

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
X			Tree planting goals	Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	X			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
X			supports tree planting	Does the project increase or enhance recreational opportunities and/or green space?
X				Will the project mitigate blight?
X				Does the project target the quality of life of all citizens?
X				Does the project preserve or improve the historical or natural heritage of the City?
X				Is the project consistent with established community character?
	X			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
X				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?

**Comments / Other Considerations:**

Supports tree planting and mitigates unsightly stumps on street.

Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
X				How does the request affect the replacement cycle? Provide specifics below.
X				Has the facility being replaced exceeded its useful life?
		X		Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
	X			Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	X			Does the project incorporate new technology that will provide enhanced service?
	X			Does the project extend service for new development or redevelopment?
	X			Will this project improve the functionality or service life of other related infrastructure?

**Comments / Other Considerations:**

A backlog in stumps will adversely impact the Forestry Section's goals of replacing street trees within one year of removal.

Yes	No	N/A	Amount	Economic / Community Development
X				Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
	X			Would an alternate location for this project provide a greater positive economic impact?
X				Will the project produce desirable jobs in the City?
X				Will the project rejuvenate an area that needs assistance?
	X			Will the project promote the equitable distribution of the costs and benefits of development?

**Comments / Other Considerations:**

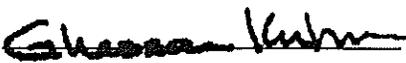
Numerous studies have documented the environmental, public health and economic benefits of urban tree canopy and tree lined streets.

Yes	No	N/A	Amount	Special Considerations
X				Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?

**Comments / Other Considerations:**

A backlog in stumps will adversely impact the Forestry Section's goals of replacing street trees within one year of removal.

# Capital Improvement Request Form Part I

Project/Program Title: Concealed Irrigation/General Landscaping Requesting Department: DPW-Operations-Forestry  
 Prepared By/Phone Ext: David Sivyer x 3729 Department Head Signature:   
 Account No: PR581080300

A) Department Priority 4 of 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 Energy Efficiency Candidate  Yes  No

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 Tied to City's Paving and Green Streets 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
Irrigation Professionals	<u>2</u>	<u>1.5</u>	\$ <u>177,348</u>
Urban Forestry Specialist	<u>2</u>	<u>1.0</u>	\$ <u>84,811</u>
Urban Forestry Manager	<u>3</u>	<u>1.0</u>	\$ <u>144,875</u>

E) In Six Year Capital Improvement Plan  
 Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification  
 This program maintains, modifies and updates the City's boulevard irrigation system in support of the Sustainable Boulevards, Green Streets and Street Reconstruction programs.

G) Additional Comments  
 The difference between the 2016 Budget Request of \$250,000 and actual program costs of \$500,000 for Capital Irrigation will be met with accumulated carry-over of \$218,000 from the 2015 Capital Irrigation Budget and reappropriation of \$32,000 of \$150,000 in carry-over funding in the Hazardous Tree Removal Capital program.

## Capital Improvement Request Part II

Requesting Department: DPW-Operations-Forestry Account No: PR581080300  
 Project/Program Title: Concealed Irrigation/General Landscaping

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request	\$250,000					\$250,000
2017 Projection	\$500,000					\$500,000
2018 Projection	\$500,000					\$500,000
2019 Projection	\$500,000					\$500,000
2020 Projection	\$500,000					\$500,000
2021 Projection	\$500,000					\$500,000
<b>Total Six Year Cost</b>	<b>\$2,750,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,750,000</b>
<b>Total Project Cost</b>	<b>\$2,750,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,750,000</b>

**Life to Date Expenditures (Project Only)**

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

Thorough Cost Estimate	2016	2017	2018	2019	2020	2021
Limited Information	<input checked="" 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: 03/01/16

Estimated Completion Date: 12/01/16

Department Head Signature: *David Sivyer*  
 Prepared By/Phone Ext: David Sivyer, X 3729

# CIC - Capital Improvement Request Part III

Department: DPW - Operations - Forestry	Date Submitted: 3/17/2015
Project/Program: Concealed Irrigation and General Landscaping	
Prepared By: David Sivyer	Current Request: \$250,000
Dept Head: Ghassan Korban	6 Yr Total: \$2,750,000

**General Project/Program Description:**  
 This program maintains, modifies and updates the City's boulevard irrigation system in support of the Sustainable Boulevards, Green Streets and Street Reconstruction programs.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project <b>directly reduce risks</b> to people or property?
	X			Does the project <b>directly promote improved health or safety</b> ?
	X			Does the project <b>mitigate an immediate risk</b> ?

**Comments / Other Considerations:**  
 Maintains functional back-flow preventors as required by the Wisconsin State Plumbing Code.

Yes	No	N/A	Amount	Regulatory Compliance
X				Does the project <b>address a legislative, regulatory or court-ordered mandate</b> ?
X				Does the project <b>promote long-term regulatory compliance</b> ?
X				Will there be a <b>serious negative impact on the City</b> if compliance is not achieved?
	X			Are there <b>other ways to mitigate</b> the regulatory concern?

**Comments / Other Considerations:**  
 Maintains boulevard irrigation system in accordance with the Wisconsin State Plumbing Code.

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
	X			What <b>return on investment</b> will this project generate?
	X			What is the <b>expected payback period</b> for this project?
X				Does the project <b>minimize life-cycle costs</b> ?
	X			Will the facility require <b>additional personnel</b> to operate?
	X			Will the project lead to a <b>reduction in operating costs</b> ?
	X			Will the project lead to <b>increased productivity or service improvements</b> ?
	X			Will the facility require <b>significant annual maintenance</b> ?
	X			Will the new facility require <b>additional equipment or the construction of additional infrastructure</b> not included in the project budget?
	X			Is there a <b>revenue generating opportunity?</b> (e.g. user fees)
	X			Will the project result in a <b>reduction in energy use</b> ?
	X			Does the project involve <b>specific energy reduction strategies or features</b> ?
	X			Will this project cause <b>disruptions to regular city operations</b> ?
	X			Are there <b>other potential costs</b> associated with this project that are not addressed above?

**Comments / Other Considerations:**  
 Preventative maintenance and updating of irrigation infrastructure (deep taps, valves, piping, connections, etc.) prevents leaks and more costly emergency repairs, while updating system components to the Wisconsin State Plumbing Code.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: **CONCEALED IRRIGATION AND GENERAL LANDSCAPING**

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
X				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
X				Does the project increase or enhance recreational opportunities and/or green space?
X				Will the project mitigate blight?
X				Does the project target the quality of life of all citizens?
X				Does the project preserve or improve the historical or natural heritage of the City?
X				Is the project consistent with established community character?
	X			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
X				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?

**Comments / Other Considerations:**

The repair / replacement of concealed irrigation systems, as well as the general landscaping of the boulevards supports the City's Paving Program, Green Streets Program and Sustainable Boulevards improvements approved by the Common Council.

Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
X				How does the request affect the replacement cycle? Provide specifics below.
X				Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
	X			Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
X				Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?

**Comments / Other Considerations:**

The irrigation infrastructure (deep water taps/valves/pipe) in the boulevards are replaced, modified or updated as the streets are repaved, Green Street bioswales are installed, condition and age warrant replacement. Maintaining a functional and modern irrigation system is critical to the health and survival of a multi-million dollar inventory of landscape improvements.

Yes	No	N/A	Amount	Economic / Community Development
X				Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?

**Comments / Other Considerations:**

Well maintained landscaped boulevards invite and support commercial development and healthy neighborhoods.

Yes	No	N/A	Amount	Special Considerations
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
X				Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
X				Can you quantify the impacts of a delay in this project?

**Comments / Other Considerations:**

# Capital Improvement Request Form Part I

Project/Program Title: Hazardous Tree Removal Program

Requesting Department: DPW-Operations-Forestry

Prepared By/Phone Ext: David Sivyer, X.3729

Department Head Signature: *Ghassan Kaban*

Account No: PR58180900

A) Department Priority 5 of 6 Useful Life NA Years Level of Need  Essential  Important  Desired

Type of Project  New  Replacement  Repair  On-Going Program

Project/Program Scope  Fully Defined  Partially Defined

Energy Efficiency Candidate  Yes  No

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 0.0

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

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This program funds contract removal of hazardous trees for property owners cited for a hazardous tree violation and who elect the special assessment payment option that allows for installment payments over a 6 year time period. 15,000 residential properties in Milwaukee have been identified as having one or more ash trees at risk to Emerald Ash Borer. As the EAB population expands, the number of residents electing the deferred payment hazard tree special assessment option is expected to increase.

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Capital Improvement Request Part II

Requesting Department: DPW-Operations-Forestry

Project/Program Title: Hazard Tree Removal Program

Account No: PR58180900

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request	\$75,000					\$75,000
2017 Projection	\$75,000					\$75,000
2018 Projection	\$75,000					\$75,000
2019 Projection	\$75,000					\$75,000
2020 Projection	\$75,000					\$75,000
2021 Projection	\$75,000					\$75,000
<b>Total Six Year Cost</b>	<b>\$450,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$450,000</b>
<b>Total Project Cost</b>	<b>\$450,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$450,000</b>

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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: 03/01/16

Estimated Completion Date: 12/01/16

Department Head Signature



Prepared By/Phone Ext

David Sivyer, X 3729

# CIC - Capital Improvement Request Part III

Department: DPW - Operations - Forestry	Date Submitted: 3/17/2015
Project/Program: Hazardous Tree Removal	
Prepared By: David Sivyer	Current Request: \$75,000
Dept Head: Ghassan Kórbán	6 Yr Total: \$450,000

**General Project/Program Description:**  
 File number 120636 changed Hazard Tree charges from special charges, due in the current year, to special assessments, which are paid over 6 years. However, the contract that removes the tree needs to be paid in the current year. This SPA allows us to dedicate funds to be spent only for paying the contract for removing Hazard Trees. The City would then be made whole over the 6 year pay back period. This was a new program in 2013 using 2012 carry over dollars. In 2014 this Capital Account was created to fund the payments.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
X				Does the project mitigate an immediate risk?

**Comments / Other Considerations:**  
 This funding mechanism is to pay the contractor for work removing hazardous trees in the current year and allow the homeowner to pay the cost of 6 years with interest.

Yes	No	N/A	Amount	Regulatory Compliance
		X		Does the project address a legislative, regulatory or court-ordered mandate?
		X		Does the project promote long-term regulatory compliance?
		X		Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**  
 Does not apply

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
		X		Will the facility require additional personnel to operate?
		X		Will the project lead to a reduction in operating costs?
		X		Will the project lead to increased productivity or service improvements?
		X		Will the facility require significant annual maintenance?
		X		Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
		X		Is there a revenue generating opportunity? (e.g. user fees)
		X		Will the project result in a reduction in energy use?
		X		Does the project involve specific energy reduction strategies or features?
		X		Will this project cause disruptions to regular city operations?
		X		Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**  
 Does not apply

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Hazardous Tree Removals

*Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Compliance with Area Plans - <i>Comprehensive Area Plans adopted by the Common Council are available on DCD's website</i>
		X		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		X		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<b>Comments / Other Considerations:</b>				
Does not apply				
Yes	No	N/A	Amount	Infrastructure - <i>Primarily recurring infrastructure and facility preservation programs</i>
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
		X		Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
		X		Will this project improve the functionality or service life of other related infrastructure?
<b>Comments / Other Considerations:</b>				
Does not apply				
Yes	No	N/A	Amount	Economic / Community Development
		X		Does the project have the potential to promote economic/community development in areas where growth is desired?
		X		Will the project continue to promote or enhance economic/community development in an already developed area?
		X		Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<b>Comments / Other Considerations:</b>				
Does not apply				
Yes	No	N/A	Amount	Special Considerations
X				Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?
<b>Comments / Other Considerations:</b>				
This funding mechanism is to pay the contractor for work removing hazardous trees in the current year and allow the homeowner to pay the cost of 6 years with interest.				

# Capital Improvement Request Form Part I

Project/Program Title: Vacant Lot Beautification

Requesting Department: DPW-Operations-Forestry

Prepared By/Phone Ext: David Sivyler, X 3729

Department Head Signature: *Chelsea Kuhn*

Account No: PR58181000

A) Department Priority 6 of 6 Useful Life NA Years Level of Need  Essential  Important  Desired

Type of Project  New  Replacement  Repair  On-Going Program

Project/Program Scope  Fully Defined  Partially Defined

Energy Efficiency Candidate  Yes  No

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 Tied to Strong Neighborhood Plan

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 0.0

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

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This program funds community driven improvements to city-owned vacant lots identified through the Mayor's Strong Neighborhood Plan. An estimated 40-80 vacant parcels would be improved at an average cost of \$2,500-\$5,000 ea.. Examples of improvements include urban vegetable gardens, urban orchards, neighborhood pocket parks, and recreational or passive use site improvements. Improvements will be installed via informal services orders with small business contractors, CBO's , etc.

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Capital Improvement Request Part II

Requesting Department: DPW-Operations-Forestry

Project/Program Title: Vacant Lot Beautification

Account No: PR58181000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request	\$200,000					\$200,000
2017 Projection	\$200,000					\$200,000
2018 Projection	\$200,000					\$200,000
2019 Projection	\$200,000					\$200,000
2020 Projection	\$200,000					\$200,000
2021 Projection	\$200,000					\$200,000
<b>Total Six Year Cost</b>	<b>\$1,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,200,000</b>
<b>Total Project Cost</b>	<b>\$1,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,200,000</b>

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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: 04/01/16

Estimated Completion Date: 12/01/16

Department Head Signature



Prepared By/Phone Ext

David Sivyer, X 3729

## CIC - Capital Improvement Request Part III

Department:	DPW - Operations - Forestry	Date Submitted:	3/17/2015
Project/Program:	Vacant Lot Beautification	Current Request:	\$200,000
Prepared By:	David Sivyer	6 Yr Total:	\$1,200,000
Dept Head:	Ghassan Kórbán		

**General Project/Program Description:**

This program funds community driving improvements to city-owned vacant lots identified through the Mayor's Strong Neighborhood Plan. An estimated 40-80 vacant parcels would be improved at an average cost of \$2,500 - \$5,000 each. Examples of improvements include urban vegetable gardens, urban orchards, neighborhood pocket parks and recreational or passive use site improvements. Improvements will be installed via informal services orders with small business contractors, CBO's, etc.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
	X			Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	X			Does the project address a legislative, regulatory or court-ordered mandate?
	X			Does the project promote long-term regulatory compliance?
	X			Will there be a serious negative impact on the City if compliance is not achieved?
	X			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
	X			Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
		X		Will the project lead to a reduction in operating costs?
		X		Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
		X		Will the project result in a reduction in energy use?
		X		Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Vacant Lot Beautification

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>				
X				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
X				Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
X				Does the project increase or enhance recreational opportunities and/or green space?
X				Will the project mitigate blight?
X				Does the project target the quality of life of all citizens?
X				Does the project preserve or improve the historical or natural heritage of the City?
X				Is the project consistent with established community character?
		X		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
X				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>				
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
	X			Does this project extend the useful life of an existing facility?
	X			Do maintenance costs exceed replacement costs?
X				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
<b>Economic / Community Development</b>				
X				Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
	X			Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
X				Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
<b>Special Considerations</b>				
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
X				Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
X				Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: Purchase and Install Brine Maker Requesting Department: DPW - Operations  
 Prepared By/Phone Ext: Chuck Schumacher x3271 Department Head Signature: *Sharon Kuhn*  
 Account No: New

A) Department Priority 1 of 1 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 Energy Efficiency Candidate  Yes  No

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 Snow and Ice Operations

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification  
 The Department of Public Works currently has one brine maker in the Central area which it uses to apply brine before storms hit. Construction of a second brine maker began in 2015 at the north side Sanitation yard on Ruby Ave. These requested funds will be used to install the last brine maker on the south side, ensuring all areas can be quickly addressed prior to a storm hitting. This brine will often be placed on bridges and overpasses BEFORE a storm to prevent ice from forming. Currently, the supply generated is too small and localized to be applied as a pre-wet agent to be put onto the salt at the spinner on the truck. Studies have shown this to help reduce the amount of salt used as well as activate the salt immediately so it's more effective. By having the ability to produce brine in all three areas of the City, all salt trucks could be equipped to pre-wet salt as it is being dispensed from the truck's spinner.

G) Additional Comments  
 Debt service could be funded on the snow and ice fee as these machines would ONLY be used for snow and ice operations.



# CIC - Capital Improvement Request Part III

Department: DPW - Operations	Date Submitted: 3/17/2015
Project/Program: Purchase and Install Brine Maker	
Prepared By: Chuck Schumacher x3271	Current Request: \$100,000
Dept Head: Ghassan Korban	6 Yr Total: \$100,000

**General Project/Program Description:**

The Department of Public Works currently has one brine maker in the Central which it uses to apply brine before storms hit. This brine will often be placed on bridges and overpasses BEFORE a storm to prevent ice from forming. However, the supply generated is too small and localized to be applied as a pre-wet agent to be put onto the salt at the spinner on the truck. Studies have shown this to help reduce the amount of salt used as well as activate the salt immediately so it's more effective.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
	X			Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

The brine would be used to make snow and ice control operations more effective and would reduce the risks posed by icy roads.

Yes	No	N/A	Amount	Regulatory Compliance
	X			Does the project address a legislative, regulatory or court-ordered mandate?
	X			Does the project promote long-term regulatory compliance?
	X			Will there be a serious negative impact on the City if compliance is not achieved?
	X			Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

None

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
X				What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
X				Will the project lead to a reduction in operating costs?
X				Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
X			Some equipment on the trucks, but minimal	Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
	X			Will the project result in a reduction in energy use?
	X			Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
X			Water to make the brine	Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

Studies have shown that using brine as a pre-wet agent on salt can increase the effectiveness of the salt as well as reduce the total amount of salt used.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: **Purchase and Install Brine Makers**

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		X		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		X		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<b>Comments / Other Considerations:</b>				
Does not apply to any area plans.				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
		X		Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
		X		Will this project improve the functionality or service life of other related infrastructure?
<b>Comments / Other Considerations:</b>				
Does not apply to current infrastructure.				
Yes	No	N/A	Amount	Economic / Community Development
		X		Does the project have the potential to promote economic/community development in areas where growth is desired?
		X		Will the project continue to promote or enhance economic/community development in an already developed area?
		X		Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<b>Comments / Other Considerations:</b>				
Does not apply to development.				
Yes	No	N/A	Amount	Special Considerations
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?
<b>Comments / Other Considerations:</b>				

# Capital Improvement Request Form Part I

Project/Program Title: Environmental Program

Requesting Department: DPW/Infrastructure-Bridges and Buildings

Prepared By/Phone Ext: Bridges and Buildings Ext. 3402

Department Head Signature: \_\_\_\_\_

Account No: BU11091500

A) Department Priority 1 of 5 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

Energy Efficiency Candidate  Yes  No

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>Professional/Inspection</u>	<u>2</u>	<u>0.4</u>	<u>\$ 30,000</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  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 for petroleum storage tanks and dispensing equipment in order to avoid future contamination and as required by code. Additionally, this program supports the ugrades and repairs to stormwater management systems and equipment.

G) Additional Comments

The projects for 2016 are:

Asbestos Abatement and Hazardous Waste	\$50,000
Underground Storage Tank and Landfill Remediation	\$50,000
Leak Detection System Upgrades	\$50,000
<b>Total</b>	<b>\$150,000</b>

## Capital Improvement Request Part II

Requesting Department: Bridges and Buildings

Project/Program Title: Environmental Program

Account No: BU11091500

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015	\$0					\$0
2016 Budget Request	\$150,000					\$150,000
2017 Projection	\$150,000					\$150,000
2018 Projection	\$150,000					\$150,000
2019 Projection	\$200,000					\$200,000
2020 Projection	\$200,000					\$200,000
2021 Projection	\$200,000					\$200,000
<b>Total Six Year Cost</b>	<b>\$1,050,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,050,000</b>
<b>Total Project Cost</b>	<b>\$1,050,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,050,000</b>

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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

Bridges and Buildings - Ext. 3402

## CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure-Bridges and Buildings	Date Submitted:	
Project/Program:	Environmental Program		
Prepared By:	Bridges and Buildings	Current Request:	\$150,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$1,050,000

General Project/Program Description:

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
x				Does the project address a legislative, regulatory or court-ordered mandate?
x				Does the project promote long-term regulatory compliance?
x				Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
x				A. Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
x				B. Will this project cause disruptions to regular city operations?
x				C. Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

A. Minimal due to newer installations and slightly more efficient equipment  
 B. Minimal during construction  
 C. Job site conditions may make project more costly

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Environmental Program

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		x		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		x		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
x				Does the project increase or enhance recreational opportunities and/or green space?
		x		Will the project mitigate blight?
x				Does the project target the quality of life of all citizens?
		x		Does the project preserve or improve the historical or natural heritage of the City?
x				Is the project consistent with established community character?
x				Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
x				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
x				How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
x				Do maintenance costs exceed replacement costs?
x				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
x				Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
	x			Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
x				Does the project have the potential to promote economic/community development in areas where growth is desired?
	x			Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
x				Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
x				Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
x				Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: ADA Compliance Program Requesting Department: DPW/Infrastructure Bridges and Buildings  
 Prepared By/Phone Ext: Bridges and Buildings - Ext. 3402 Department Head Signature: *Ghassan Kuhn*  
 Account No: BU110010500

A) Department Priority 2 of 5 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 Energy Efficiency Candidate  Yes  No

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 1.4

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>2</u>	<u>1.4</u>	<u>\$ 97,500</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan  
 Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This program responds to the 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 their work and to evaluate/identify City facilities requiring ADAAG improvements as part of this program.

G) Additional Comments

20th and Olive	\$100,000
30th and Cawker	\$100,000
DOJ Recommendations	\$200,000
Various Non-programmed	\$50,000
TOTAL	\$450,000

# Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Bridges and Buildings  
 Project/Program Title: ADA Compliance Program

Account No: BU110010500

Year  
 Remaining Balance for 2015  
 2016 Budget Request  
 2017 Projection  
 2018 Projection  
 2019 Projection  
 2020 Projection  
 2021 Projection

	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
	\$0					\$0
	\$450,000					\$450,000
	\$450,000					\$450,000
	\$250,000					\$250,000
	\$300,000					\$300,000
	\$350,000					\$350,000
	\$350,000					\$350,000
	\$2,150,000		\$0	\$0	\$0	\$2,150,000
	\$2,150,000	\$0	\$0	\$0	\$0	\$2,150,000
	\$0	\$0	\$0	\$0	\$0	\$0

Total Six Year Cost  
 Total Project Cost

Life to Date Expenditures (Project Only)

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: In-Progress  
 Estimated Completion Date: On-Going

2016	<input type="checkbox"/>	2017	<input checked="" type="checkbox"/>	2018	<input checked="" type="checkbox"/>	2019	<input checked="" type="checkbox"/>	2020	<input checked="" type="checkbox"/>	2021	<input checked="" type="checkbox"/>
	<input 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"/>										
	<input type="checkbox"/>										

Increase  Decrease  None

Department Head Signature: *Ghassan Kuhn*  
 Prepared By/Phone Ext

# CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:	
Project/Program:	ADA Compliance Program		
Prepared By:	Bridges and Buildings	Current Request:	\$450,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$2,150,000

General Project/Program Description:

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
x				Does the project address a legislative, regulatory or court-ordered mandate?
x				Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				A. Will the project lead to a reduction in operating costs?
x				B. Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
x				C. Will the project result in a reduction in energy use?
x				D. Does the project involve specific energy reduction strategies or features?
x				E. Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

A,C & D: Newer more energy efficient equipment will be installed.  
 B: Better service for those with accessibility concerns.  
 E: Minimal during construction.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: ADA Compliance Program

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
	x			<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>
	x			Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
x				Does the project increase or enhance recreational opportunities and/or green space?
x				Will the project mitigate blight?
x				Does the project target the quality of life of all citizens?
x				Does the project preserve or improve the historical or natural heritage of the City?
x				Is the project consistent with established community character?
	x			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
x				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>				
				How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
x				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
x				Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
x				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
<b>Economic / Community Development</b>				
x				Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
x				Will the project produce desirable jobs in the City?
x				Will the project rejuvenate an area that needs assistance?
x				Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
<b>Special Considerations</b>				
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
x				Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: Facilities Exterior Program Requesting Department: DPW/Infrastructure Bridges and Buildings  
 Prepared By/Phone Ext: Bridges and Buildings - Ext. 3402 Department Head Signature: *Calvin Kuhn*  
 Account No: BU11091300

A) Department Priority 3 of 5 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 Energy Efficiency Candidate  Yes  No

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 1.8

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>4</u>	<u>1.8</u>	<u>\$ 127,750</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan  
 Yes  2014-2019  2015-2020  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 workig space and/or parking.

G) Additional Comments  
 See Attached.

## Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Bridges and Buildings

Account No: BU11091300

Project/Program Title: Facilities Exterior Program

Special Assessment

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015	\$0					\$0
2016 Budget Request	\$1,700,000					\$1,700,000
2017 Projection	\$2,000,000					\$2,000,000
2018 Projection	\$2,500,000					\$2,500,000
2019 Projection	\$3,000,000					\$3,000,000
2020 Projection	\$4,000,000					\$4,000,000
2021 Projection	\$5,000,000					\$5,000,000
<b>Total Six Year Cost</b>	<b>\$18,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$18,200,000</b>
<b>Total Project Cost</b>	<b>\$18,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$18,200,000</b>

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

- 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

*Ghassan Khatun*

Prepared By/Phone Ext

Bridges and Buildings-Ext 3402

# CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:	
Project/Program:	Facilities Exterior Program	Current Request:	\$1,700,000
Prepared By:	Bridges and Buildings	6 Yr Total:	\$18,200,000
Dept Head:	Ghassan Korban		

General Project/Program Description:

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
		x		Will there be a serious negative impact on the City if compliance is not achieved?
		x		Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
x				A. Will the project result in a reduction in energy use?
x				B. Does the project involve specific energy reduction strategies or features?
x				C. Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

A, & B: New roofs will have better insulation to save energy. High speed roll-up doors will reduce energy usage, promote operational efficiency and reduce maintenance costs due to less damage.

C: Minimal during construction.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Facilities Exterior Program

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
	x			Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
x				Will the project mitigate blight?
x				Does the project target the quality of life of all citizens?
x				Does the project preserve or improve the historical or natural heritage of the City?
x				Is the project consistent with established community character?
	x			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
x				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
x				How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
x				Do maintenance costs exceed replacement costs?
x				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
x				Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
x				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
	x			Does the project have the potential to promote economic/community development in areas where growth is desired?
	x			Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
x				Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
x				Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
x				Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

## 2016

### FACILITIES EXTERIOR PROGRAM

This program is used to sustain the building envelope and building site including roofs, windows, siding, doors, pavement, and fencing proper and efficient operating condition.

The following projects are for 2016:

<b>Building Envelope</b>	<b>\$500,000</b>
20 <sup>th</sup> & Holt Masonry, 809 Building Masonry, and Municipal Service Building includes roofing, masonry, windows and doors.	

<b>Roof Replacements</b>	<b>\$800,000</b>
Zeidler Municipal Building	

<b>Pavement Repairs</b>	<b>\$200,000</b>
20 <sup>th</sup> and Holt, Sanitation Central II, and Lincoln Garage	

<b>Various Site Emergency Repairs</b>	<b>\$200,000</b>
---------------------------------------	------------------

Facilities Development and Management maintains 3,000,000+ sq ft of roofs, millions of sq ft of paved parking lots and walks, 200+ overhead doors, thousands of windows and miles of fence.

<b>Total</b>	<b>\$1,700,000</b>
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# Capital Improvement Request Form Part I

Project/Program Title: Facilities Systems Program Requesting Department: DPW/Infrastructure Bridges and Buildings  
 Prepared By/Phone Ext: Bridges and Buildings - Ext. 3402 Department Head Signature: *Chessa Kuhn*  
 Account No: BU11091200

A) Department Priority 4 of 5 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 Energy Efficiency Candidate  Yes  No

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 1.6

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>4</u>	<u>1.6</u>	\$ <u>113,400</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan  
 Yes  2014-2019  2015-2020  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 FCAP (Facilities Condition Assessment Program) for installing new equipment or replacing existing equipment necessary for the proper up to date operation of various building systems. Facility systems 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/Infrastructure: Bridges and Buildings

Account No: BU11091200

Project/Program Title: Facilities Systems Program

Special Assessment

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015	\$0					\$0
2016 Budget Request	\$1,580,000					\$1,580,000
2017 Projection	\$2,500,000					\$2,500,000
2018 Projection	\$3,000,000					\$3,000,000
2019 Projection	\$3,000,000					\$3,000,000
2020 Projection	\$3,500,000					\$3,500,000
2021 Projection	\$3,000,000					\$3,000,000
<b>Total Six Year Cost</b>	<b>\$16,580,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$16,580,000</b>
<b>Total Project Cost</b>	<b>\$16,580,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$16,580,000</b>

Life to Date Expenditures (Project Only)

2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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

*Chessa Kuhn*

Prepared By/Phone Ext

Bridges and Buildings-Ext 3402

## CIC - Capital Improvement Request Part III

Department: DPW/Infrastructure - Bridges and Buildings	Date Submitted:
Project/Program: Facilities Systems Program	
Prepared By: Bridges and Buildings	Current Request: \$1,580,000
Dept Head: Ghassan Korban	6 Yr Total: \$16,580,000

General Project/Program Description:

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
x				Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
x				Will the project result in a reduction in energy use?
x				Does the project involve specific energy reduction strategies or features?
x				Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Facilities Systems Program

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>				
x				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
x				Will the project mitigate blight?
	x			Does the project target the quality of life of all citizens?
	x			Does the project preserve or improve the historical or natural heritage of the City?
x				Is the project consistent with established community character?
	x			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
x				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>				
x				How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
x				Do maintenance costs exceed replacement costs?
x				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
x				Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
x				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
<b>Economic / Community Development</b>				
	x			Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
x				Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
x				Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
<b>Special Considerations</b>				
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
x				Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

## 2016

### 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. Facilities Development and Management 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 2016:

<b>Block Heaters</b>	<b>\$200,000</b>
<b>Central Repair Garage - Trench Drain</b>	<b>\$50,000</b>
<b>Nursery Greenhouse - Thermal Curtain</b>	<b>\$40,000</b>
<b>Transfer Stations – Sprinklers</b>	<b>\$200,000</b>
<b>Nursery Greenhouse - New Lexan Polycarbonate Panels</b>	<b>\$100,000</b>
<b>Kilbourn Tunnel Sump Upgrades</b>	<b>\$60,000</b>
<b>ZMB – Chilled Water Coils for AHU-67</b>	<b>\$80,000</b>
<b>Fire Life Safety System</b>	<b>\$150,000</b>
Upgrades to XLS in the City Hall and 809 4 <sup>th</sup> Floor.	
<b>Building Automation Systems</b>	<b>\$150,000</b>
Provide new digital control systems to better control the systems by upgrading from pneumatic to digital controls in the 809 Building and replacing old digital equipment in the City Hall Complex.	
<b>Various Sites – CCTV and Access Control Upgrades</b>	<b>\$150,000</b>
Replace existing obsolete analog equipment with new digital technology and expand the system where necessary	
<b>Various Sites – Emergency Mechanical Repairs</b>	<b>\$200,000</b>
Facilities Development and Management operates 256 air handling units, 212 heating units, 195 pumps, and 198 exhaust fans.	
<b>Various Sites – Emergency Electrical Repairs</b>	<b>\$200,000</b>
Facilities Development and Management operates 200 electrical switchgear and 400 electrical transformers, 400 block heaters.	
<b>Total</b>	<b>\$1,580,000</b>

# Capital Improvement Request Form Part I

Project/Program Title: Space Planning, Alterations and Engineering Requesting Department: DPW/Infrastructure Bridges and Buildings  
 Prepared By/Phone Ext: Bridges and Buildings - Ext. 3402 Department Head Signature: *G. Hassan Kuban*  
 Account No: BU110010800

A) Department Priority 5 of 5 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 Energy Efficiency Candidate  Yes  No

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 2.9

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>4</u>	<u>2.9</u>	<u>\$ 50,000</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  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

Space Planning	\$200,000
General Office Remodeling	\$50,000
General Engineering and Facility Inspection	\$150,000
<b>TOTAL</b>	<b>\$400,000</b>

## Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Bridges and Buildings

Project/Program Title: Space Planning Alterations and Engineering Program

Account No: BU110010800

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request	\$400,000					\$400,000
2017 Projection	\$400,000					\$400,000
2018 Projection	\$450,000					\$450,000
2019 Projection	\$450,000					\$450,000
2020 Projection	\$500,000					\$500,000
2021 Projection	\$500,000					\$500,000
<b>Total Six Year Cost</b>	<b>\$2,700,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,700,000</b>
<b>Total Project Cost</b>	<b>\$2,700,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,700,000</b>

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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

*Ghassan Kuhn*

Department Head Signature

Prepared By/Phone Ext

Bridges and Buildings-Ext 3402

## CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:	
Project/Program:	Space Planning Alterations and Engineering Program	Current Request:	\$400,000
Prepared By:	Bridges and Buildings	6 Yr Total:	\$2,700,000
Dept Head:	Ghassan Korban		

General Project/Program Description:

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
	x			Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
	x			Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
x				Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
		x		Will the facility require significant annual maintenance?
		x		Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
x				Will the project result in a reduction in energy use?
x				Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Space Planning Alterations and Engineering Program

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
x				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
	x			Will the project mitigate blight?
	x			Does the project target the quality of life of all citizens?
		x		Does the project preserve or improve the historical or natural heritage of the City?
		x		Is the project consistent with established community character?
		x		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		x		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
Comments / Other Considerations:				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
x				How does the request affect the replacement cycle? Provide specifics below.
		x		Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
		x		Do maintenance costs exceed replacement costs?
		x		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		x		Does the project incorporate new technology that will provide enhanced service?
		x		Does the project extend service for new development or redevelopment?
		x		Will this project improve the functionality or service life of other related infrastructure?
Comments / Other Considerations:				
Yes	No	N/A	Amount	Economic / Community Development
		x		Does the project have the potential to promote economic/community development in areas where growth is desired?
		x		Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
		x		Would an alternate location for this project provide a greater positive economic impact?
x				Will the project produce desirable jobs in the City?
		x		Will the project rejuvenate an area that needs assistance?
x				Will the project promote the equitable distribution of the costs and benefits of development?
Comments / Other Considerations:				
Yes	No	N/A	Amount	Special Considerations
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	x			Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
Comments / Other Considerations:				

# Capital Improvement Request Form Part I

Project/Program Title: City Hall Foundation

Requesting Department: DPW/Infrastructure Bridges and Buildings

Prepared By/Phone Ext: Bridges and Buildings - Ext. 3402

Department Head Signature: *Ghassan Kuban*

Account No: \_\_\_\_\_

A) Department Priority SP-1 of 4 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 Energy Efficiency Candidate  Yes  No

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 1 Total FTEs 0.1

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>2</u>	<u>0.1</u>	<u>\$ 8,000</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This project addresses the deteriorated condition of City Hall's foundation based on the preliminary report provided by Gilbane as phase one of the foundation restoration project.

G) Additional Comments

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Bridges and Buildings

Account No: \_\_\_\_\_

Project/Program Title: City Hall Foundation

Account No: \_\_\_\_\_

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015	\$0					\$0
2016 Budget Request	\$20,000,000					\$20,000,000
2017 Projection	\$20,000,000					\$20,000,000
2018 Projection	\$20,000,000					\$20,000,000
2019 Projection	\$0					\$0
2020 Projection	\$0					\$0
2021 Projection	\$0					\$0
<b>Total Six Year Cost</b>	\$60,000,000	\$0	\$0	\$0	\$0	\$60,000,000
<b>Total Project Cost</b>	\$60,000,000	\$0	\$0	\$0	\$0	\$60,000,000

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2016	2017	2018	2019	2020	2021
Limited Information	<input 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 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: January, 2016

Estimated Completion Date: June, 2019

Department Head Signature

Prepared By/Phone Ext

Bridges and Buildings-Ext 3402

## CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:	
Project/Program:	City Hall Foundation		
Prepared By:	Bridges and Buildings	Current Request:	\$20,000,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$60,000,000

General Project/Program Description:

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
		x		Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
x				Will the project result in a reduction in energy use?
x				Does the project involve specific energy reduction strategies or features?
x				Will this project cause disruptions to regular city operations?
x				Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: City Hall Foundation

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
x				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
x				Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
	x			Will the project mitigate blight?
	x			Does the project target the quality of life of all citizens?
x				Does the project preserve or improve the historical or natural heritage of the City?
x				Is the project consistent with established community character?
		x		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		x		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
x				How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
	x			Have you documented the past cost of unplanned or corrective maintenance related to the facility?
x				Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
x				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
x				Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
		x		Would an alternate location for this project provide a greater positive economic impact?
x				Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
x				Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
x				Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: North Point Lake Tower Requesting Department: DPW/Infrastructure Bridges and Buildings  
 Prepared By/Phone Ext: Bridges and Buildings - Ext. 3402 Department Head Signature: *Galea Kubm*  
 Account No: BU110151000

A) Department Priority SP-2 of 4 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 Energy Efficiency Candidate  Yes  No

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 1 Total FTEs 0.1

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>1</u>	<u>0.1</u>	\$ <u>8,000</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan  
 Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification  
 The North Point Lake Tower is an historic water tower that was assessed for structural repairs in 2013 due to visible signs of deterioration. This project takes care of the imminet safety issues caused by existing failures which will be followed up by other structural repairs to bring this tower back safe condition for years to come.

G) Additional Comments

## Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Bridges and Buildings

Project/Program Title: North Point Lake Tower

Account No: BU110151000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015	\$340,000					\$340,000
2016 Budget Request	\$400,000					\$400,000
2017 Projection	\$0					\$0
2018 Projection	\$0					\$0
2019 Projection	\$0					\$0
2020 Projection	\$0					\$0
2021 Projection	\$0					\$0
<b>Total Six Year Cost</b>	<b>\$400,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$400,000</b>
<b>Total Project Cost</b>	<b>\$740,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$740,000</b>

Life to Date Expenditures (Project Only)

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

Available Cost Estimate:

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

- 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: Spring 2015

Estimated Completion Date: Fall 2016

Department Head Signature



Prepared By/Phone Ext

Bridges and Buildings-Ext 3402

# Capital Improvement Request Part III

Department: DPW/Infrastructure - Bridges and Buildings  
 Project/Program: North Point Lake Tower  
 Prepared By: Bridges and Buildings  
 Dept Head: Ghassan Korban

Date Submitted: \_\_\_\_\_  
 Current Request: \$400,000  
 6 Yr Total: \$740,000

General Project/Program Description:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Health & Safety
<input checked="" type="checkbox"/>				Does the project directly reduce risks to people or property?
<input checked="" type="checkbox"/>				Does the project directly promote improved health or safety?
<input checked="" type="checkbox"/>				Does the project mitigate an immediate risk?

Comments / Other Considerations:  
 \_\_\_\_\_  
 \_\_\_\_\_

Yes	No	N/A	Amount	Regulatory Compliance
	<input checked="" type="checkbox"/>			Does the project address a legislative, regulatory or court-ordered mandate?
	<input checked="" type="checkbox"/>			Does the project promote long-term regulatory compliance?
	<input checked="" type="checkbox"/>			Will there be a serious negative impact on the City if compliance is not achieved?
	<input checked="" type="checkbox"/>			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:  
 \_\_\_\_\_  
 \_\_\_\_\_

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		<input checked="" type="checkbox"/>		What return on investment will this project generate?
		<input checked="" type="checkbox"/>		What is the expected payback period for this project?
		<input checked="" type="checkbox"/>		Does the project minimize life-cycle costs?
<input checked="" type="checkbox"/>				Will the facility require additional personnel to operate?
<input checked="" type="checkbox"/>				Will the project lead to a reduction in operating costs?
<input checked="" type="checkbox"/>				Will the project lead to increased productivity or service improvements?
		<input checked="" type="checkbox"/>		Will the facility require significant annual maintenance?
<input checked="" type="checkbox"/>				Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
<input checked="" type="checkbox"/>				Is there a revenue generating opportunity? (e.g. user fees)
<input checked="" type="checkbox"/>				Will the project result in a reduction in energy use?
<input checked="" type="checkbox"/>				Does the project involve specific energy reduction strategies or features?
<input checked="" type="checkbox"/>				Will this project cause disruptions to regular city operations?
<input checked="" type="checkbox"/>				Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:  
 \_\_\_\_\_  
 \_\_\_\_\_

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: North Point Lake Tower

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>				
x				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
x				Will the project mitigate blight?
x				Does the project target the quality of life of all citizens?
x				Does the project preserve or improve the historical or natural heritage of the City?
x				Is the project consistent with established community character?
	x			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
	x			Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>				
		x		How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
	x			Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	x			Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
	x			Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
<b>Economic / Community Development</b>				
	x			Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
		x		Would an alternate location for this project provide a greater positive economic impact?
x				Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
x				Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
<b>Special Considerations</b>				
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
x				Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: Hartung Park Landfill Closure Requesting Department: DPW/Infrastructure Bridges and Buildings

Prepared By/Phone Ext: Bridges and Buildings - Ext. 3402 Department Head Signature: *Chessa Kuhn*

Account No: BU110010800

A) Department Priority SP-3 of 4 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

Energy Efficiency Candidate  Yes  No

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 2 Total FTEs 0.1

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>2</u>	<u>0.1</u>	<u>\$ 4,000</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

Hartung Quarry/Park will reach capacity for use by the City as a clean fill landfill in the near future. This project will finalize closure of the landfill and includes improvements to the landfill site for its future use as a recreational site.

G) Additional Comments

## Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Bridges and Buildings

Account No.: BU110080700

Project/Program Title: Hartung Park Landfill Closure

Special Assessment: \_\_\_\_\_

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015	\$0					\$0
2016 Budget Request	\$200,000					\$200,000
2017 Projection	\$0					\$0
2018 Projection	\$0					\$0
2019 Projection	\$0					\$0
2020 Projection	\$0					\$0
2021 Projection	\$0					\$0
<b>Total Six Year Cost</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>
<b>Total Project Cost</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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: Fall 2015

Department Head Signature



Prepared By/Phone Ext

Bridges and Buildings-Ext 3402

## CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:	
Project/Program:	Hartung Park Landfill Closure		
Prepared By:	Bridges and Buildings	Current Request:	\$200,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$200,000

<u>General Project/Program Description:</u>

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

<u>Comments / Other Considerations:</u>

Yes	No	N/A	Amount	Regulatory Compliance
x				Does the project address a legislative, regulatory or court-ordered mandate?
x				Does the project promote long-term regulatory compliance?
x				Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

<u>Comments / Other Considerations:</u>

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
		x		Does the project minimize life-cycle costs?
x				Will the facility require additional personnel to operate?
	x			Will the project lead to a reduction in operating costs?
	x			Will the project lead to increased productivity or service improvements?
x				Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
x				Are there other potential costs associated with this project that are not addressed above?

<u>Comments / Other Considerations:</u>

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Hartung Park Landfill Closure

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
x				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
x				Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
x				Does the project increase or enhance recreational opportunities and/or green space?
x				Will the project mitigate blight?
x				Does the project target the quality of life of all citizens?
	x			Does the project preserve or improve the historical or natural heritage of the City?
x				Is the project consistent with established community character?
		x		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
x				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		x		How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
	x			Does this project extend the useful life of an existing facility?
		x		Do maintenance costs exceed replacement costs?
		x		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		x		Does the project incorporate new technology that will provide enhanced service?
		x		Does the project extend service for new development or redevelopment?
		x		Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
x				Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
		x		Would an alternate location for this project provide a greater positive economic impact?
		x		Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
		x		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
x				Are there critical timing issues associated with this project?
x				Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: MacArthur Square Plaza & Kilbourn Tunnel Repairs

Requesting Department: DPW/Infrastructure Bridges and Buildings

Prepared By/Phone Ext: Bridges and Buildings - Ext. 3402

Department Head Signature: *Gabe...*

Account No: BU110010800

A) Department Priority SP-4 of 4 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 Energy Efficiency Candidate  Yes  No

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 1 Total FTEs 0.1

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>1</u>	<u>0.1</u>	<u>7,500</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

The roof of the Kilbourn Ave. tunnel which is the base of the MacArthur Square plaza has deteriorated and is in need of replacement. This years funding will allow for the design of the roof repair to be completed for construction in future year(s). The WisDOT will be doing paving repairs in the tunnel which is planned for late 2018 or early 2019. The WisDOT will have preliminary plans for this work in 2016, so 2016 funding is for design to coincide with WisDOT design. 2018 planned funding is for construction to coincide with the WisDOT ramp closures for their construction.

G) Additional Comments

## Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure: Bridges and Buildings

Project/Program Title: MacArthur Square Plaza & Kilbourn Tunnel Repairs

Account No: \_\_\_\_\_

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request	\$150,000					\$150,000
2017 Projection						\$0
2018 Projection	\$750,000					\$750,000
2019 Projection						\$0
2020 Projection						\$0
2021 Projection						\$0
<b>Total Six Year Cost</b>	\$900,000	\$0	\$0	\$0	\$0	\$900,000
<b>Total Project Cost</b>	\$900,000	\$0	\$0	\$0	\$0	\$900,000

Life to Date Expenditures (Project Only)

	2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

Thorough Cost Estimate	<input type="checkbox"/>					
Limited Information	<input type="checkbox"/>					
Based on Cost of Similar Projects	<input type="checkbox"/>					
Unsupported	<input checked="" 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: Spring 2016

Estimated Completion Date: Fall 2017

*Ghassan Kuhn*

Department Head Signature

Prepared By/Phone Ext

Bridges and Buildings-Ext 3402

## CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:
Project/Program:	MacArthur Square Plaza & Kilbourn Tunnel Repairs	
Prepared By:	Bridges and Buildings	Current Request: \$150,000
Dept Head:	Ghassan Korban	6 Yr Total: \$900,000

General Project/Program Description:

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
x				Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
x				Will this project cause disruptions to regular city operations?
x				Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: MacArthur Square Plaza & Kilbourn Tunnel Repairs

*Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	
<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>				
x				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
x				Will the project mitigate blight?
x				Does the project target the quality of life of all citizens?
x				Does the project preserve or improve the historical or natural heritage of the City?
x				Is the project consistent with established community character?
		x		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
x				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>				
		x		How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
		x		Do maintenance costs exceed replacement costs?
	x			Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	x			Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
x				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
<b>Economic / Community Development</b>				
x				Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
		x		Would an alternate location for this project provide a greater positive economic impact?
x				Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
		x		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
<b>Special Considerations</b>				
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	x			Are there critical timing issues associated with this project?
x				Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

BRIDGE PROGRAM,

DPW / INFRASTRUCTURE

Project/Program Title: STATE AND FEDERAL AID

Requesting Department: SERVICES

Prepared By/Phone Ext: CRAIG LIBERTO / X-3294

Department Head Signature: *Ghassan Kuhn*

Account No: BR300150000

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

Refer to attached 2016 DPW Capital Improvement Project / Program Description.

G) Additional Comments

## Capital Improvement Request Part II

Requesting Department: DPW / INFRASTRUCTURE SERVICES

Project/Program Title: BRIDGE PROGRAM / STATE AND FEDERAL AID Account No: BR300150000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015	\$350,000	\$1,400,000				\$1,750,000
2016 Budget Request	\$277,000	\$1,050,000				\$1,327,000
2017 Projection	\$2,471,000	\$6,159,000				\$8,630,000
2018 Projection	\$1,209,000	\$4,777,000				\$5,986,000
2019 Projection	\$680,000	\$2,620,000				\$3,300,000
2020 Projection	\$600,000	\$2,400,000				\$3,000,000
2021 Projection	\$690,000	\$5,610,000				\$6,300,000
<b>Total Six Year Cost</b>	<b>\$5,927,000</b>	<b>\$22,616,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$28,543,000</b>
<b>Total Project Cost</b>	<b>\$6,277,000</b>	<b>\$24,016,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,293,000</b>

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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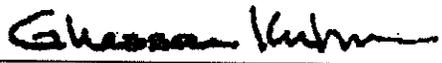
Available Cost Estimate:		2016	2017	2018	2019	2020	2021
Thorough Cost Estimate		<input type="checkbox"/>					
Limited Information		<input type="checkbox"/>					
Based on Cost of Similar Projects		<input checked="" type="checkbox"/>					
Unsupported		<input type="checkbox"/>					

- 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: Varies

Estimated Completion Date: Varies

Department Head Signature 

Prepared By/Phone Ext CRAIG LIBERTO / X-3294

## CIC - Capital Improvement Request Part III

Department:	DPW / INFRASTRUCTURE SERVICES	Date Submitted:	March 6, 2015
Project/Program:	BRIDGE PROGRAM / STATE AND FEDERAL AID	Current Request:	
Prepared By:	CRAIG LIBERTO	(2016)	\$277,000
Dept Head:	JEFFREY POLENSKÉ	6 Yr Total:	
		(2016-2021)	\$5,927,000

**General Project/Program Description:**

Program funds the rehabilitation and reconstruction of the City's bridges with a combination of State / Federal Aid and local funds.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
X				Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
		X		Does the project address a legislative, regulatory or court-ordered mandate?
		X		Does the project promote long-term regulatory compliance?
		X		Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
X				Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
		X		Will the project lead to a reduction in operating costs?
		X		Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
		X		Will the project result in a reduction in energy use?
		X		Does the project involve specific energy reduction strategies or features?
X			See comments	Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

Disruption to City operations includes partial or total street closure with detours for bridge construction work.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: BRIDGE PROGRAM / STATE AND FEDERAL AID

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		X		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
X				Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		X		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
X			See comments	How does the request affect the replacement cycle? Provide specifics below.
X				Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
	X			Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
X				Does the project incorporate new technology that will provide enhanced service?
	X			Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
The request is an effort to preserve and maintain the bridge system at a standard considered safe for motorists and pedestrians. Rehabilitated bridges have an estimated service life of 35 years; reconstructed bridges have an estimated service life of 70 years.				
Yes	No	N/A	Amount	Economic / Community Development
X				Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
X				Will the project produce desirable jobs in the City?
X				Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
X				Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
X				Are there critical timing issues associated with this project?
X				Are there inter-jurisdictional considerations?
X			Higher costs	Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

**2016 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION**

FUND & PROJECT GRANT NUMBER BR300150000		PROJECT/PROGRAM TITLE & LOCATION BRIDGE PROGRAM / STATE AND FEDERAL AID	
DIVISION/ SECTION INFRASTRUCTURE SERVICES DIVISION / BRIDGES AND BUILDINGS SECTION / STRUCTURAL DESIGN			
DATE March 6, 2015	PREPARED BY/PHONE CRAIG LIBERTO / X-3294		
<p><u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u></p> <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"> <li>1. Preserve and maintain a bridge system at a standard considered safe for motorists and pedestrians, which meets the needs of the City.</li> <li>2. Reduce the property tax levy necessary to maintain and preserve the bridge system.</li> <li>3. Provide for the efficient movement of vehicles, people and commodities.</li> <li>4. Improve and maintain the bridge system thereby fostering residential and commercial development, which raises property values and allows the City to grow and prosper.</li> </ol> <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.</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, STATE AND FEDERAL AID, PARENT ACCOUNT

Funds Available 03-03-2015 in Parent Account

2011 Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	2,873.13
2012 Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	390,006.84
2013 Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	130,992.86
2014 Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	93,274.13
2015 Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	100,000.00

TOTAL Carryover Unencumbered Balance (Bridge Program, State and Federal Aid) \$717,146.96

Subaccount Close-outs (estimated) 32,853.04

TOTAL FUNDS AVAILABLE \$750,000.00

Estimated 2015 expenditures and carryover

Remaining 2015 Needs (Bridge Program, State and Federal Aid) - Attachment 1	400,000.00
Revenues Not Received	0.00

TOTAL EXPENDITURES \$400,000.00

2015 ASSUMED CARRYOVER \$350,000.00

ATTACHMENT 1  
 BRIDGE PROGRAM, STATE AND FEDERAL AID  
 2015 FUNDING NEEDS FROM PARENT ACCOUNTS  
 (AMOUNTS SHOWN IN 1,000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON, ASSESS- ABLE
STP BR	Various Projects Design & Constr. Shortfalls	2,000	1,600	0	0	400
	TOTALS	2,000	1,600	0	0	400

INFRASTRUCTURES SERVICES DIVISION  
 16 BRIDGE PROGRAM, STATE AND FEDERAL A  
 (AMOUNTS SHOWN IN 1,000'S OF DOLLARS)

Projects are listed in  
 construction funding order

PROJECT	2016	2017	2018	2019	2020	2021	REVENUE & GRANT	6 YEAR TOTAL	REMARKS
51st Boulevard Bridge (4500 North) over Lincoln Creek	427						1,650	2,077	Construction: Bridge replacement Design: 100% local funds State/City share 80/20 funded Sufficiency Rating: 37.0 Project Risk: Moderate; Hydraulic bridge sizing & SHPO railing review
Brown Street Bridge (3100 West) over Canadian Pacific Railway		538					2,092	2,630	Construction: Bridge replacement Design previously funded 80/20 State/City share 80/20 funded Sufficiency Rating :41.3 Project Risk: Complex; Bridge reconstruction requiring railroad stipulation
Wells Street Bridge (100 West) over Milwaukee River		1,833					3,667	5,500	Construction: Movable bridge painting, structural steel repairs, hydraulic, mechanical & electrical upgrades Design previously funded 75/25 share 66.7% State funded Sufficiency Rating :65.5 Project Risk: Complex; Movable bridge
35th Street Bridge (3000 South) over Kinnickinnic River			300				1,141	1,441	Construction: Bridge renovation, painting, deck replacement Design previously funded 80/20 State/City share 80/20 funded Sufficiency Rating: 66.8 Project Risk: Moderate; SHPO railing review
70th Street Bridge (700 South) over Hank Aaron State Trail / abandoned Canadian Pacific Railway			509				2,036	2,545	Construction: Bridge replacement Design previously funded 80/20 State/City share 80/20 funded Sufficiency Rating :44.9 Funding needs to be acquired. Project Risk: Complex; Bridge reconstruction requiring railroad stipulation
Villard Avenue (2300 West) over Lincoln Creek			300				1,200	1,500	Construction: Bridge renovation, painting, deck replacement Design previously funded 80/20 State/City share 80/20 funded Sufficiency Rating: 67.4 Funding needs to be acquired. Project Risk: Moderate; SHPO railing review
Hampton Avenue Bridge (6300 West) over Lincoln Creek				360			1,440	1,800	Construction: Bridge renovation, painting, deck replacement Design: 100% local funds State/City share 80/20 funded Sufficiency Rating: 79.7 Funding needs to be acquired. Project Risk: Moderate; SHPO railing review
Calumet Road Bridge (9200 West) over Little Menomonee River				60			240	300	Design: Bridge replacement State/City share 80/20 funded Funding needs to be acquired.
Calumet Road Bridge (9200 West) over Little Menomonee River						260	1,040	1,300	Construction: Bridge replacement State/City share 80/20 funded Sufficiency Rating: 40.9 Funding needs to be acquired. Project Risk: Moderate; Bridge reconstruction over waterway

INFRASTRUCTURES SERVICES DIVISION  
 16 BRIDGE PROGRAM, STATE AND FEDERAL A  
 (AMOUNTS SHOWN IN 1,000'S OF DOLLARS)

Projects are listed in  
 construction funding order

PROJECT	REVENUE						6 YEAR & GRANT TOTAL	REMARKS	
	2016	2017	2018	2019	2020	2021			
Chase Avenue Bridge (3300 South) over Union Pacific Railroad				100			300	400	Design: Bridge replacement Connecting Highway. State/City share 75/25 funded <b>Funding needs to be acquired.</b>
Chase Avenue Bridge (3300 South) over Union Pacific Railroad						30	2,970	3,000	Construction: Bridge replacement Connecting Highway State share 100% Sufficiency Rating: 44.9 <b>Funding needs to be acquired.</b> Project Risk: Complex; Bridge reconstruction requiring railroad stipulation
Dana Court Bridge (100 South) over abandoned rail				60			240	300	Design: Bridge replacement State/City share 80/20 funded <b>Funding needs to be acquired.</b>
Dana Court Bridge (100 South) over abandoned rail						300	1,200	1,500	Construction: Bridge replacement State/City share 80/20 funded Sufficiency Rating: 58.4 <b>Funding needs to be acquired.</b> Project Risk: Moderate; coordination w / WisDOT I-94 E/W
Various Bridges (To be determined based on future sufficiency ratings and applied for in 2019-2020 WisDOT funding cycle)					500		2,000	2,500	Construction: Bridge rehabilitation or replacen State/City share 80/20 funded <b>Funding needs to be acquired.</b>
Various Projects Design & Constr. Shortfalls	200	100	100	100	100	100	2,800	3,500	Bridge Program engineering & construction State/City share 80/20 funded
<b>TOTALS BRIDGE, STATE &amp; FED.</b>	<b>627</b>	<b>2,471</b>	<b>1,209</b>	<b>680</b>	<b>600</b>	<b>690</b>	<b>24,016</b>	<b>30,293</b>	

# Capital Improvement Request Form Part I

DPW / INFRASTRUCTURE SERVICES

Project/Program Title: BRIDGE PROGRAM, LOCAL

Requesting Department:

Prepared By/Phone Ext: CRAIG LIBERTO / X-3294

Department Head Signature: *Craig Liberto*

Account No: BR100150000

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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

Refer to attached 2016 DPW Capital Improvement Project / Program Description.

G) Additional Comments

## Capital Improvement Request Part II

Requesting Department: DPW / INFRASTRUCTURE SERVICES

Project/Program Title: BRIDGE PROGRAM, LOCAL

Account No: BR100150000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015	\$0	\$0				\$0
2016 Budget Request	\$8,925,000	\$0				\$8,925,000
2017 Projection	\$9,300,000	\$0				\$9,300,000
2018 Projection	\$8,600,000	\$0				\$8,600,000
2019 Projection	\$9,100,000	\$0				\$9,100,000
2020 Projection	\$10,505,000	\$0				\$10,505,000
2021 Projection	\$9,700,000	\$0				\$9,700,000
<b>Total Six Year Cost</b>	<b>\$56,130,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$56,130,000</b>
<b>Total Project Cost</b>	<b>\$56,130,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$56,130,000</b>

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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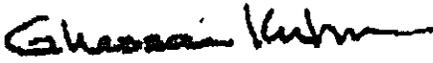
Available Cost Estimate:	2016	2017	2018	2019	2020	2021
Thorough Cost Estimate	<input type="checkbox"/>					
Limited Information	<input type="checkbox"/>					
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>					
Unsupported	<input type="checkbox"/>					

- 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: Varies

Estimated Completion Date: Varies

  
 Department Head Signature \_\_\_\_\_

Prepared By/Phone Ext CRAIG LIBERTO / X-3294

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS / INFRASTRUCTURE SERVICES	Date Submitted:	March 6, 2015
Project/Program:	BRIDGE PROGRAM, LOCAL	Current Request: (2016)	\$8,925,000
Prepared By:	CRAIG LIBERTO	6 Yr Total: (2016-2021)	\$56,130,000
Dept Head:	JEFFREY POLENSKE		

**General Project/Program Description:**  
 Program funds the rehabilitation and reconstruction of the City's bridges with a combination of State / Federal Aid and local funds.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
X				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
		X		Does the project address a legislative, regulatory or court-ordered mandate?
		X		Does the project promote long-term regulatory compliance?
		X		Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
X				Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
		X		Will the project lead to a reduction in operating costs?
		X		Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
		X		Will the project result in a reduction in energy use?
		X		Does the project involve specific energy reduction strategies or features?
X			See comments	Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:  
 Disruption to City operations includes partial or total street closure with detours for bridge construction work.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: BRIDGE PROGRAM, LOCAL

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		X		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
X				Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		X		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
X			See comments	How does the request affect the replacement cycle? Provide specifics below.
X				Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
	X			Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
X				Does the project incorporate new technology that will provide enhanced service?
	X			Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
The request is an effort to preserve and maintain the bridge system at a standard considered safe for motorists and pedestrians. Rehabilitated bridges have an estimated service life of 35 years; reconstructed bridges have an estimated service life of 70 years.				
Yes	No	N/A	Amount	Economic / Community Development
X				Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
X				Will the project produce desirable jobs in the City?
X				Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
X				Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
X				Are there critical timing issues associated with this project?
X				Are there inter-jurisdictional considerations?
X			Higher costs	Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

## 2016 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PROJECT GRANT NUMBER <p style="text-align: center;">BR100150000</p>	PROJECT/PROGRAM TITLE & LOCATION <p style="text-align: center;">BRIDGE PROGRAM, LOCAL</p>
DIVISION/ SECTION <p style="text-align: center;">INFRASTRUCTURE SERVICES DIVISION / BRIDGES AND BUILDINGS SECTION / STRUCTURAL DESIGN</p>	
DATE <p style="text-align: center;">March 6, 2015</p>	PREPARED BY/PHONE <p style="text-align: center;">CRAIG LIBERTO / X-3294</p>
PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION <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"> <li>1. Preserve and maintain a bridge system at a standard considered safe for motorists and pedestrians, which meets the needs of the City.</li> <li>2. Reduce the property tax levy necessary to maintain and preserve the bridge system.</li> <li>3. Provide for the efficient movement of vehicles, people and commodities.</li> <li>4. Improve and maintain the bridge system thereby fostering residential and commercial development, which raises property values and allows the City to grow and prosper.</li> </ol> <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.</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 03-03-2015 in Parent Account

2007 to 2014 Carryover Unencumbered Balance (Bridge Program, Local)	2,128,338.30
2015 Carryover Unencumbered Balance (Bridge Program, Local)	5,260,000.00

TOTAL Carryover Unencumbered Balance (Bridge Program, Local)	\$7,388,338.30
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Subaccount Close-outs (estimated)	11,661.70
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TOTAL FUNDS AVAILABLE	<u>\$7,400,000.00</u>
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Estimated 2015 expenditures and carryover

Remaining 2015 Needs (Bridge Program, Local) - Attachment 1	7,400,000.00
Revenues Not Received	0.00

TOTAL EXPENDITURES	<u>\$7,400,000.00</u>
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2015 ASSUMED CARRYOVER	<u>\$0.00</u>
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ATTACHMENT 1  
 BRIDGE PROGRAM, LOCAL  
 2015 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	Michigan Street Lift Bridge (100 West) over Milwaukee River Construction	7,000	0	0	0	7,000
B	6th Street Viaduct Cable-stayed & Bascule Span Sidewalks Epoxy overlay Construction	200	0	0	0	200
B	Various Projects Design & Construction Shortfalls	200	0	0	0	200
	<b>TOTALS</b>	<b>7,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,400</b>

INFRASTRUCTURES SERVICES DIVISION  
2016 BRIDGE PROGRAM, LOCAL  
(AMOUNTS SHOWN IN 1000'S OF DOLLARS)

Projects are listed in  
construction funding order.

PROJECT	2016	2017	2018	2019	2020	2021	REVENUE & GRANT	6 YEAR TOTAL	REMARKS
1st Street Bascule Bridge (2000 South) over Kinnickinnic River	5,500	6,500					0	12,000	Construction: Movable bridge structural, mechanical, hydraulic, and electrical rehab. Sufficiency Rating: 71.5* Project Risk: Complex; Movable bridge rehab.
Michigan Street Lift Bridge (100 West) over Milwaukee River	2,500						0	2,500	Construction: Movable bridge structural, mechanical, hydraulic, and electrical rehab. Sufficiency Rating: 61.2 * Funding carryover of \$7M from 2015 Project Risk: Complex; Movable bridge rehab.
Port Washington Avenue Bridge (4000 North) over Capitol Drive		2,500					0	2,500	Construction: Bridge replacement Sufficiency Rating: 38.2 * Project Risk: Complex; Bridge reconstruction over connecting hwy.
Water Street Bascule Bridge (400 North) over Milwaukee River			1,600				0	1,600	Construction: Painting, replace sidewalk plates Sufficiency Rating: 80.1 Project Risk: Moderate; minor movable bridge rehab.
Burleigh Street Bridges (6300 West) over Menomonee River	250						0	250	Design: Bridge rehab.
Burleigh Street Bridges (6300 West) over Menomonee River			2,300				0	2,300	Construction: Bridge rehab. Sufficiency Rating: 79.5 Project Risk: Medium; SHPO railing review
Cameron Avenue Bridge (3100 West) over Lincoln Creek	175						0	175	Design: Bridge rehab.
Cameron Avenue Bridge (3100 West) over Lincoln Creek			1,400				0	1,400	Construction: Bridge rehab. Sufficiency Rating: 94.9 (Deck in poor condition) Project Risk: Medium; SHPO railing review
Becher Street Bridge (300 West) over Kinnickinnic River			500				0	500	Riprap placement for scour protection Project Risk: Low
Cherry Street Bascule Bridge (100 West) over Milwaukee River			1,200				0	1,200	Design: Movable bridge rehab.
Cherry Street Bascule Bridge (100 West) over Milwaukee River				6,000	5,000			11,000	Construction: Movable bridge structural, mechanical, and electrical rehab. Sufficiency Rating: 48.2 * Funding over two years Project Risk: Complex; Movable bridge rehab.
Hampton Avenue Bridge (6300 West) over Lincoln Creek	175			0			0	175	Design: Bridge rehab. Sufficiency Rating: 79.7 Fed/state funds to be requested for construction in 2019-2020 Project Risk: Medium; SHPO railing review

INFRASTRUCTURES SERVICES DIVISION  
2016 BRIDGE PROGRAM, LOCAL  
(AMOUNTS SHOWN IN 1000'S OF DOLLARS)

Projects are listed in  
construction funding order.

PROJECT	2016	2017	2018	2019	2020	2021	REVENUE & GRANT	6 YEAR TOTAL	REMARKS
16th Street Bascule (100 North) over Menomonee River			1,100				0	1,100	Design: Movable bridge rehab.
16th Street Bascule (100 North) over Menomonee River				2,000	5,000		0	7,000	Construction: Bridge painting, structural steel and other repairs Sufficiency Rating: 69.9 * Project Risk: Complex; Movable bridge rehab.
Holton Street Viaduct (1800 North) over Milwaukee River				800			0	800	Design: Bridge rehab.
Holton Street Viaduct (1800 North) over Milwaukee River						5,000	0	5,000	Construction: Painting, structural steel repair Sufficiency Rating: 80.3 Project Risk: Complex; Major viaduct rehab.
Plankinton Avenue Bascule Bridge (200 North) over Menomonee River					180		0	180	Design: Movable bridge rehab.
Plankinton Avenue Bascule Bridge (200 North) over Menomonee River						1,400	0	1,400	Construction: Painting, replace sidewalk plates Sufficiency Rating: 64.6 Project Risk: Moderate; minor movable bridge rehab.
Various Bridges To be determined based on future sufficiency ratings & needs						3,000		3,000	
Underwater Dive Inspection of Scour Critical Bridges			175				0	175	Diye inspections required every 5 years by federal & state regulations Project Risk: Low
City Safety Bridge Inspection	175	150	175	150	175	150	0	975	Perform safety inspections mandated by FHWA for city bridges Project Risk: Low
Various Bridges Administration/Indirect Costs	150	150	150	150	150	150	0	900	Bridge Program engineering Project Risk: Low
<b>TOTALS BRIDGE, LOCAL</b>	<b>8,925</b>	<b>9,300</b>	<b>8,600</b>	<b>9,100</b>	<b>10,505</b>	<b>9,700</b>	<b>0</b>	<b>56,130</b>	

Note: An asterisk (\*) next to the sufficiency rating signifies the bridge would be eligible for Federal / State funding if said funds were available.

# Capital Improvement Request Form Part I

Project/Program Title: Street Improvements City portion of State/Federal aided Program Requesting Department: Public Works

Prepared By/Phone Ext: Samir Amin 286-2461 Department Head Signature: *Samir Amin*

Account No: ST320150000

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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

program funds the reconstruction of the City's streets with a combination of State/Federal Aid and Local Funds to improve the conditions of the asset that is nearing the end of it's useful life.

G) Additional Comments

## Capital Improvement Request Part II

Requesting Department: Public Works / Infrastructure Transportation Account No: SI320150000  
 Project/Program Title: Street Improvements City Portion of State/Federal Aid Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015	\$4,476,208	\$27,033,506		\$102,500		\$31,612,214
2016 Budget Request	\$8,912,808	\$33,090,919		\$473,500		\$42,477,227
2017 Projection	\$8,714,968	\$34,944,652		\$319,000		\$43,978,620
2018 Projection	\$5,849,724	\$28,691,781		\$327,500		\$34,869,005
2019 Projection	\$6,614,000	\$24,815,000		\$329,000		\$31,758,000
2020 Projection	\$9,183,400	\$31,005,600		\$509,000		\$40,698,000
2021 Projection	\$4,848,400	\$29,226,600		\$172,000		\$34,247,000
<b>Total Six Year Cost</b>	<b>\$44,123,300</b>	<b>\$181,774,552</b>	<b>\$0</b>	<b>\$2,130,000</b>	<b>\$0</b>	<b>\$228,027,852</b>
<b>Total Project Cost</b>	<b>\$48,599,508</b>	<b>\$208,808,058</b>	<b>\$0</b>	<b>\$2,232,500</b>	<b>\$0</b>	<b>\$259,640,066</b>

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

Available Cost Estimate:

Thorough Cost Estimate  2016  2017  2018  2019  2020  2021

Limited Information  2016  2017  2018  2019  2020  2021

Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021

Unsupported  2016  2017  2018  2019  2020  2021

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

*Shesha Kuhn*

Department Head Signature

Prepared By/Phone Ext Samir Amin / X2461

# CIC - Capital Improvement Request Part III

<b>Department:</b>	PUBLIC WORKS/INFRASTRUCTURE TRANSPORTATION	<b>Date Submitted:</b>	3/16/2015
<b>Project/Program:</b>	Street Improvements City Portion of Stateand/or Federal Aided Program		
<b>Prepared By:</b>	Samir Amin	<b>Current Request:</b>	\$8,912,808
<b>Dept Head:</b>	Jeffery Polenske	<b>6 Yr Total:</b>	\$44,123,300

47373386

**General Project/Program Description:**  
 This program is for repaving/reconstructing major and minor arterials in the city of milwaukee.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
	x			Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
x				Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
x				Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
	x			What return on investment will this project generate?
	x			What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x			less maintenance	Will the project lead to a reduction in operating costs?
	x			Will the project lead to increased productivity or service improvements?
	x		less maintenance	Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: \_\_\_\_\_

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		x		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
x				Does the project increase or enhance recreational opportunities and/or green space?
	x			Will the project mitigate blight?
x				Does the project target the quality of life of all citizens?
x				Does the project preserve or improve the historical or natural heritage of the City?
x				Is the project consistent with established community character?
	x			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
	x			Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?

Comments / Other Considerations:

Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
x			reduces the cycle	How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
	x			Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
	x			Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	x			Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
	x			Will this project improve the functionality or service life of other related infrastructure?

Comments / Other Considerations:

Yes	No	N/A	Amount	Economic / Community Development
	x			Does the project have the potential to promote economic/community development in areas where growth is desired?
	x			Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
	x			Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
	x			Will the project promote the equitable distribution of the costs and benefits of development?

Comments / Other Considerations:

Yes	No	N/A	Amount	Special Considerations
x				Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
x				Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?

Comments / Other Considerations:

ATTACHMENT 2 (2016 BUDGET)  
 FEDERAL AND/OR STATE AIDED PROJECTS  
 (2015 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
<b>LOCAL JURISDICTION PROJECTS</b>								
STP-A	2.2	South 35th Street - W. Mitchell St. to W. Greenfield Ave.						
		Construction	\$1,479,000.00	\$1,083,200.00	\$20,000.00	\$375,800.00	low	
		Signal and Sign LFA	\$160,000.00	\$128,000.00		\$32,000.00		
		Street Lighting Conduit	\$50,000.00			\$50,000.00		
STP-A	2.5	West Lloyd Avenue - N. 60th St. to W. Lisbon Ave.						
		Construction	\$3,500,000.00	\$2,800,000.00	\$35,000.00	\$665,000.00	complex	
		Signal and Sign LFA	\$280,000.00	\$224,000.00		\$56,000.00		
		Street Lighting Conduit	\$100,000.00			\$100,000.00		
STP-A	3.4	South 13th Street - W. Forest Home Ave. to W. Windlake Ave.						
		Construction	\$1,305,300.00	\$1,044,200.00	\$15,000.00	\$246,100.00	low	
		Signal and Sign LFA	\$292,000.00	\$233,600.00		\$58,400.00		
		Street Lighting Conduit	\$60,000.00			\$60,000.00		
STP-A	2.1	North Teutonia Avenue - W. Capitol Dr. to W. Ruby Ave.						
		Signal and Sign LFA	\$255,000.00	\$204,000.00		\$51,000.00		
		Street Lighting Conduit	\$50,000.00			\$50,000.00		
		<b>SUBTOTAL (STP-A)</b>	<b>\$7,531,300.00</b>	<b>\$5,717,000.00</b>	<b>\$70,000.00</b>	<b>\$1,744,300.00</b>		
<b>LOCAL SYSTEM BRIDGE PROJECTS</b>								
STP-BR	7.4	South Whitnall Bridge - Over the UP RR						
		Preliminary Engineering	\$15,000.00			\$15,000.00	low	
		<b>SUBTOTAL (STP-BR)</b>	<b>\$15,000.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$15,000.00</b>		
<b>COUNTY JURISDICTIONAL PROJECTS</b>								
CO	3.3	West Mill Road - N. Sidney Pl. to N. 43rd St.						
		Preliminary Engineering	\$50,000.00			\$50,000.00		
		<b>SUBTOTAL (CO)</b>	<b>\$50,000.00</b>			<b>\$50,000.00</b>		
<b>STATE JURISDICTION PROJECTS</b>								
CH	7.1	South Howell Ave. - E. Layton Ave. to E. Howard Ave.						
		Street Lighting Conduit	\$40,000.00			\$40,000.00	low	
		Street Lighting LFA	\$300,000.00	\$300,000.00				
CH	2.0	West Fond du Lac Avenue W. Capitol Dr. to N. 68th St.						
		Construction	\$13,815,000.00	\$13,209,650.00	\$30,000.00	\$575,350.00	complex	
		Signal and Sign LFA	\$720,000.00	\$720,000.00				
		Street Lighting LFA	\$685,000.00	\$685,000.00				
		Street Lighting Conduit	\$75,000.00			\$75,000.00		
STATE		STH 100 Howard and Beloit Intersection Improvements						
		Construction	\$50,000.00		\$2,500.00	\$47,500.00		
		<b>SUBTOTAL (CH)</b>	<b>\$15,685,000.00</b>	<b>\$14,914,650.00</b>	<b>\$32,500.00</b>	<b>\$737,850.00</b>		

ATTACHMENT 2 (2016 BUDGET)  
 FEDERAL AND/OR STATE AIDED PROJECTS  
 (2015 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
		<b>OTHER PROJECTS</b>						
HSIP		West Capitol Dr. Monotubes - 12 Connecting Highway Intersections						
		Construction	\$1,130,345.00	\$756,000.00		\$374,345.00	low	
		Signal LFA	\$529,000.00	\$414,000.00		\$115,000.00		
HSIP		Install Monotubes - 6 Local Street Intersections						
		Construction	\$265,226.00	\$238,703.00		\$26,523.00	low	
		Signal LFA	\$194,146.00	\$174,731.00		\$19,415.00		
CMAQ		Bicycle Lane Installations						
		Various Locations	\$250,000.00	\$200,000.00		\$50,000.00		
TE		Beer Line Bicycle Trail Extension						
		Real Estate	\$650,000.00	\$520,000.00		\$130,000.00		
		Construction	\$212,000.00	\$169,600.00		\$42,400.00		
TE		Layton Blvd/S. 27th Street Streetscape Enhancements						
		Construction	\$1,142,700.00	\$914,200.00		\$228,500.00		
CMAQ		Summerfest Advanced Parking Guidance - Phase 2						
		Construction	\$969,000.00	\$775,200.00		\$193,800.00		
CMAQ		ATC Controller and Communications Upgrade Grant #1						
		Preliminary Engineering	\$143,000.00	\$114,400.00		\$28,600.00		
CMAQ		ATC Controller and Communications Upgrade Grant #2						
		Preliminary Engineering	\$143,000.00	\$114,400.00		\$28,600.00		
CMAQ		CNG Dispensing System Fill Capabilities						
		Construction	\$560,000.00	\$448,000.00		\$112,000.00		
STP-Freight		Ward/Allis/Bay						
		Construction	\$234,125.00	\$187,300.00		\$46,825.00		
TAP		Interactive Bicycle Mapping						
		Non-Infrastructure/Engineering	\$180,000.00	\$144,000.00		\$36,000.00		
TAP		City/County Coordinated Trail and Bicycle Signage Plan						
		Non-Infrastructure/Engineering	\$190,000.00	\$152,000.00		\$38,000.00		
TAP		Safe Routes to School Policy and School Specific Plans						
		Non-Infrastructure/Engineering	\$318,000.00	\$254,400.00		\$63,600.00		
TAP		Citywide Bicycle Parking Program						
		Non-Infrastructure/Engineering	\$96,764.00	\$77,411.00		\$19,353.00		
		Construction	\$587,006.00	\$469,604.00		\$117,402.00		
TAP		North Emmer Lane and Plankinton Ave. Bicycle Bridge Plating						
		Engineering	\$70,345.00	\$56,276.00		\$14,069.00		
HSIP		Install Monotubes - 3 Connecting Highway Intersections						
		Construction	\$156,257.00	\$140,631.00		\$15,626.00	low	
		Signal LFA	\$90,000.00	\$81,000.00		\$9,000.00		

ATTACHMENT 2 (2016 BUDGET)  
 FEDERAL AND/OR STATE AIDED PROJECTS  
 (2015 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
		Pavement Management System	\$220,000.00			\$220,000.00		
		<b>SUBTOTAL (OTHER PROJECTS)</b>	<b>\$8,330,914.00</b>	<b>\$6,401,856.00</b>	<b>\$0.00</b>	<b>\$1,929,058.00</b>		
		<b>YEARLY TOTAL</b>	<b>\$31,612,214.00</b>	<b>\$27,033,506.00</b>	<b>\$102,500.00</b>	<b>\$4,476,208.00</b>		

	Assessable	Non-Assessable
Funds Available March 12, 2015 In Parent Accounts (Unencumbered Carry Over)	\$450,080.21	\$12,074,608.73
Appropriation for 2015		
Cash	\$0.00	\$0.00
Borrowing	\$0.00	\$0.00
Subaccount Close-Outs (Estimated)	\$5,000.63	\$179,019.93
	<b>\$455,080.84</b>	<b>\$12,253,628.66</b>
Total 2015 Needs	\$102,500.00	\$4,476,208.00
Assumed 2015 Needs (Carryover)	\$352,580.84	\$7,777,420.66

**MAJOR STREET IMPROVEMENTS  
2016 BUDGET SUMMARY**

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
		<b>LOCAL JURISDICTION PROJECTS</b>						
STP-A	2.8	North 27th Street - W. Highland Blvd. to W. Lisbon Ave.						
		Construction	\$2,691,630.00	\$2,073,304.00	\$30,000.00	\$588,326.00	low	
		Signal and Sign LFA	\$120,000.00	\$96,000.00		\$24,000.00		
STP-A	2	West Vliet Street - N. 27th St. to N. 12th St.						
		Construction	\$3,277,480.00	\$2,501,984.00	\$40,000.00	\$735,496.00	low	
		Signal and Sign LFA	\$350,000.00	\$280,000.00		\$70,000.00		
		Street Lighting Conduit	\$85,000.00			\$85,000.00		
STP-A	2	West Wisconsin Avenue - N. 35th St. to N. 20th St.						
		Construction	\$4,670,500.00	\$3,576,400.00	\$55,000.00	\$1,039,100.00	complex	
		Signal and Sign LFA	\$180,000.00	\$144,000.00		\$36,000.00		
		Street Lighting Conduit	\$100,000.00			\$100,000.00		
STP-A	3.7	North 60th Street - W. Florist Ave. to W. Mill Rd.						
		Construction	\$2,482,390.00	\$1,865,912.00	\$30,000.00	\$586,478.00	low	
		Signal and Sign LFA	\$125,000.00	\$100,000.00		\$25,000.00		
STP-A	2	North 92nd Street - W. Capitol Dr. to W. Hampton Ave.						
		Construction	\$4,984,632.00	\$3,747,706.00	\$60,000.00	\$1,176,926.00	complex	
		Signal and Sign LFA	\$125,000.00	\$100,000.00		\$25,000.00		
		Street Lighting Conduit	\$84,000.00			\$84,000.00		
STP-A	2.2	North Teutonia Avenue - W. Garfield Ave. to W. Groeling Ave.						
		Construction	\$3,001,770.00	\$2,281,416.00	\$36,000.00	\$684,354.00	low	
		Signal and Sign LFA	\$225,000.00	\$180,000.00		\$45,000.00		
		Street Lighting Conduit	\$85,000.00			\$85,000.00		
		<b>SUBTOTAL (STP-A)</b>	<b>\$22,587,402.00</b>	<b>\$16,946,722.00</b>	<b>\$251,000.00</b>	<b>\$5,389,680.00</b>		
		<b>LOCAL SYSTEM BRIDGE PROJECTS</b>						
STP-A		North 51st Boulevard Bridge - Over the Lincoln Creek						
		Construction	\$200,000.00	\$160,000.00		\$40,000.00		
		<b>SUBTOTAL (STP-BR)</b>	<b>\$200,000.00</b>	<b>\$160,000.00</b>		<b>\$40,000.00</b>		
		<b>COUNTY JURISDICTIONAL PROJECTS</b>						
CO	3.3	West Mill Road - N. Sidney Pl. to N. 43rd St.						
		Construction	\$150,000.00		\$7,500.00	\$142,500.00	low	
		<b>SUBTOTAL (CO)</b>	<b>\$150,000.00</b>		<b>\$7,500.00</b>	<b>\$142,500.00</b>		
		<b>STATE JURISDICTION PROJECTS</b>						
CH	3.5	West Highland Avenue - N. 27th St. to N. 12th St.						
		Construction	\$3,770,000.00	\$3,560,100.00	\$10,000.00	\$199,900.00	low	
		Signal and Sign LFA	\$200,000.00	\$200,000.00				

**MAJOR STREET IMPROVEMENTS  
2016 BUDGET SUMMARY**

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
CH	2.4	West Wisconsin Avenue - N. 35th St. to N. 38th St.						
		Construction	\$1,755,000.00	\$1,685,000.00	\$5,000.00	\$65,000.00	complex	
		Real Estate	\$70,000.00	\$70,000.00				
		Signal and Sign LFA	\$125,000.00	\$125,000.00				
		Street Lighting Conduit	\$20,000.00			\$20,000.00		
		<b>SUBTOTAL (CH)</b>	<b>\$5,940,000.00</b>	<b>\$5,640,100.00</b>	<b>\$15,000.00</b>	<b>\$284,900.00</b>		
		<b>OTHER PROJECTS</b>						
STP-S		Various Safety Projects - Various Locations						
		Preliminary Engineering	\$100,000.00	\$90,000.00		\$10,000.00		
		Construction	\$500,000.00	\$450,000.00		\$50,000.00		
HSIP		West Forest Home Avenue Monotubes - 6 Connecting Highway Intersections					low	
		Construction	\$448,050.00	\$403,245.00		\$44,805.00		
		Signal LFA	\$303,850.00	\$273,465.00		\$30,385.00		
HSIP		North 60th/West Hampton Monotubes - 11 Connecting Highway Intersections						
CMAQ		ATC Controller and Communications Upgrade Grant #1						
		Construction	\$1,064,000.00	\$851,200.00		\$212,800.00		
CMAQ		ATC Controller and Communications Upgrade Grant #2						
		Construction	\$1,064,000.00	\$851,200.00		\$212,800.00		
CMAQ		ATC Controller and Communications Upgrade Grant #3						
		Preliminary Engineering	\$172,500.00	\$138,000.00		\$34,500.00		
CMAQ		ATC Controller and Communications Upgrade Grant #4						
		Preliminary Engineering	\$172,500.00	\$138,000.00		\$34,500.00		
CMAQ		Bike Share - Phase 2						
		Engineering	\$319,457.00	\$255,566.00		\$63,891.00		
CMAQ		Bridge Bicycle Plating - Cherry St./Water St.						
		Construction	\$410,000.00	\$328,000.00		\$82,000.00		
CMAQ		CBD Multi-Modal						
		Preliminary Engineering	\$655,000.00	\$524,000.00		\$131,000.00		
CMAQ		Installation of Transit Priority Express Bus/ Trolley Circulator						
		Signals	\$850,000.00	\$680,000.00		\$170,000.00		
HSIP		Rectangular Rapid Flash Beacons - 4 Connecting Highway Locations						
		Preliminary Engineering	\$60,000.00	\$54,000.00		\$6,000.00		
HSIP		Rectangular Rapid Flash Beacons - 8 Local Street Locations						
		Preliminary Engineering	\$90,000.00	\$81,000.00		\$9,000.00		
		Various Project Shortfalls						
		PE and Construction	\$4,000,000.00	\$3,200,000.00		\$800,000.00		
		Pavement Management System	\$250,000.00			\$250,000.00		

**MAJOR STREET IMPROVEMENTS  
2016 BUDGET SUMMARY**

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON-ASSESSABLE	RISK	JUSTIFICATION
		Local Road Improvement Program - Various Locations						
		Construction	\$2,000,000.00	\$1,000,000.00	\$200,000.00	\$800,000.00		
		SUBTOTAL (OTHER PROJECTS)	\$13,599,825.00	\$10,344,097.00	\$200,000.00	\$3,055,728.00		
		YEARLY TOTAL	\$42,477,227.00	\$33,090,919.00	\$473,500.00	\$8,912,808.00		

**MAJOR STREET IMPROVEMENTS  
2017 BUDGET SUMMARY**

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
<b>LOCAL JURISDICTION PROJECTS</b>								
STP-A	3.6	West Greenfield Avenue - South 35th St. to Cesar Chavez Dr.						
		Construction	\$4,310,000.00	\$3,248,000.00	\$55,000.00	\$1,007,000.00	complex	streetscape
		Signal and Sign LFA	\$300,000.00	\$240,000.00		\$60,000.00		
		Street Lighting Conduit	\$132,000.00			\$132,000.00		
STP-A	3.3	South 60th Street - W. Cold Spring Rd. to W. Morgan Ave.						
		Construction	\$4,814,450.00	\$3,723,560.00	\$55,000.00	\$1,035,890.00	low	
		Signal and Sign LFA	\$175,000.00	\$140,000.00		\$35,000.00		
		Street Lighting Conduit	\$41,000.00			\$41,000.00		
STP-A	2.1	North 91st Street - W. Mill Rd. to W. Good Hope Rd.						
		Construction	\$4,627,170.00	\$3,621,664.00	\$50,000.00	\$955,506.00	low	
		Signal and Sign LFA	\$60,000.00	\$48,000.00		\$12,000.00		
		Street Lighting Conduit	\$80,000.00			\$80,000.00		
STP-A	2.0	West Oklahoma Avenue S. 60th St. to S. 49th St.						
		Construction	\$3,889,536.00	\$2,393,024.00	\$125,000.00	\$1,371,512.00	complex	NHS
		Signal and Sign LFA	\$125,000.00	\$100,000.00		\$25,000.00		
		Street Lighting Conduit	\$55,000.00			\$55,000.00		
STP-A	2.3	East/West Howard Avenue - S. 6th St. to S. Clement Ave.						
		Preliminary Engineering	\$600,000.00	\$480,000.00		\$120,000.00		
STP-A	2.0	North Humboldt Boulevard - E. North Ave. to E. Keefe Ave.						
		Preliminary Engineering	\$630,000.00	\$504,000.00		\$126,000.00		
STP-A	2.2	South 20th Street - W. College Ave. to W. Grange Ave.						
		Preliminary Engineering	\$450,000.00	\$360,000.00		\$90,000.00		
STP-A	2.1	West Howard Avenue - S. 43rd St. to S. 60th St.						
		Preliminary Engineering	\$370,000.00	\$296,000.00		\$74,000.00		
STP-A	2.9	South 16th Street - W. Oklahoma Ave. to W. Lincoln Ave.						
		Preliminary Engineering	\$425,000.00	\$340,000.00		\$85,000.00		
	2.1	North Hopkins Street - W. Congress Ave. to W. Silver Spring Dr.						
		Preliminary Engineering	\$550,000.00	\$440,000.00		\$110,000.00		
		SUBTOTAL (STP-A)	\$21,634,156.00	\$15,934,248.00	\$285,000.00	\$5,414,908.00		
<b>LOCAL SYSTEM BRIDGE PROJECTS</b>								
STP-BR	6.0	West Brown Street Bridge - Over the Canadian Pacific RR						
		Construction	\$200,000.00	\$160,000.00		\$40,000.00		
		SUBTOTAL (STP-BR)	\$200,000.00	\$160,000.00	\$0.00	\$40,000.00		
<b>STATE JURISDICTION PROJECTS</b>								
CH	2.3	East/West Wells Street - N. 6th St. to N. Prospect Ave.						
		Real Estate	\$120,000.00	\$120,000.00			complex	
		Construction	\$1,551,000.00	\$1,157,632.00	\$20,000.00	\$373,368.00		
		Signal and Sign LFA	\$500,000.00	\$500,000.00				

**MAJOR STREET IMPROVEMENTS  
2017 BUDGET SUMMARY**

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
CH	2.0	South Howell Avenue E. Grange Ave. to E. Layton Ave.						
		Construction	\$4,165,000.00	\$4,140,000.00	\$2,000.00	\$23,000.00		
		Signal and Sign LFA	\$175,000.00	\$175,000.00				
		Street Lighting Conduit	\$50,000.00			\$50,000.00		
		Street Lighting LFA	\$350,000.00	\$350,000.00				
STATE		West Loomis Road - S. 51st St. to W. Fardale Ave.						
		Preliminary Engineering	\$75,000.00			\$75,000.00		
STATE		North 76th Street - W. Florist Ave. to W. Grantosa Ave.						
		Construction	\$3,000,000.00	\$2,760,000.00	\$12,000.00	\$228,000.00		
		Street Lighting Conduit	\$50,000.00			\$50,000.00		
		<b>SUBTOTAL (CH)</b>	<b>\$10,036,000.00</b>	<b>\$9,202,632.00</b>	<b>\$34,000.00</b>	<b>\$799,368.00</b>		
CH-BR	2.0	West Wells Street Bridge - Over the Milwaukee River						
		Real Estate	\$120,000.00	\$120,000.00			complex	movable bridge
		Construction	\$200,000.00	\$160,000.00	\$0.00	\$40,000.00		
		<b>SUBTOTAL (CH-BR)</b>	<b>\$320,000.00</b>	<b>\$280,000.00</b>	<b>\$0.00</b>	<b>\$40,000.00</b>		
		<b>OTHER PROJECTS</b>						
TAP		North Emmer Lane and Plankinton Ave. Bicycle Bridge Plating						
		Construction	\$445,520.00	\$356,416.00		\$89,104.00		
CMAQ		ATC Controller and Communications Upgrade Grant #3						
		Construction	\$1,288,000.00	\$1,030,400.00		\$257,600.00		
CMAQ		ATC Controller and Communications Upgrade Grant #4						
		Construction	\$1,288,000.00	\$1,030,400.00		\$257,600.00		
CMAQ		Bike Share - Phase 2						
		Construction	\$1,571,303.00	\$1,257,043.00		\$314,260.00		
CMAQ		Bike Share - Phase 3						
		Engineering	\$167,641.00	\$134,113.00		\$33,528.00		
CMAQ		CBD Multi-Modal						
		Construction	\$1,078,000.00	\$862,400.00		\$215,600.00		
		Responsive Signal System LFA	\$1,000,000.00	\$800,000.00		\$200,000.00		
		Wisconsin Ave. Signal LFA	\$365,000.00	\$292,000.00		\$73,000.00		
HSIP		Rectangular Rapid Flash Beacons - 4 Connecting Highway Locations						
		Construction LFA	\$170,000.00	\$153,000.00		\$17,000.00		
HSIP		Rectangular Rapid Flash Beacons - 8 Local Street Locations						
		Construction LFA	\$280,000.00	\$252,000.00		\$28,000.00		
		Pavement Management System	\$135,000.00			\$135,000.00		
		Various Project Shortfalls						
		PE and Construction	\$4,000,000.00	\$3,200,000.00		\$800,000.00		
		<b>SUBTOTAL (OTHER PROJECTS)</b>	<b>\$11,788,464.00</b>	<b>\$9,367,772.00</b>	<b>\$0.00</b>	<b>\$2,420,692.00</b>		
		<b>YEARLY TOTAL</b>	<b>\$43,978,620.00</b>	<b>\$34,944,652.00</b>	<b>\$319,000.00</b>	<b>\$8,714,968.00</b>		

**MAJOR STREET IMPROVEMENTS  
2018 BUDGET SUMMARY**

TYPE	PQJ	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
		<b>LOCAL JURISDICTION PROJECTS</b>						
STP-A	2.2	North Teutonia Avenue - W. Groeling Ave. to W. Capitol Dr.						
		Construction	\$4,509,980.00	\$3,427,984.00	\$55,000.00	\$1,026,996.00		
		Signal and Sign LFA	\$175,000.00	\$140,000.00		\$35,000.00		
		Street Lighting Conduit	\$104,000.00			\$104,000.00		
STP-A	2.2	South 60th Street - W. Morgan Ave. to KK River Parkway						
		Construction	\$4,618,000.00	\$3,614,400.00	\$50,000.00	\$953,600.00		
		Signal and Sign LFA	\$125,000.00	\$100,000.00		\$25,000.00		
		Street Lighting Conduit	\$90,000.00			\$90,000.00		
STP-A	2.0	West Lakefield Drive - S. 35th St. to W. Morgan Ave.						
		Preliminary Engineering	\$350,000.00	\$280,000.00		\$70,000.00		
STP-A	5.5	South 16th Street - W. Lincoln Ave. to W. Greenfield Ave.						
		Preliminary Engineering	\$425,000.00	\$340,000.00		\$85,000.00		
STP-A	2.0	North 27th Street - W. Hopkins St. to W. Capitol Dr.						
		Preliminary Engineering	\$200,000.00	\$160,000.00		\$40,000.00		
STP-A	2.0	North 68th Street - W. Capitol Dr. to W. Hampton Ave.						
		Preliminary Engineering	\$395,000.00	\$316,000.00		\$79,000.00		
STP-A	8.8	South 68th Street - W. Morgan Ave. to W. Cleveland Ave.						
		Preliminary Engineering	\$300,000.00	\$240,000.00		\$60,000.00		
STP-A	8.9	South 68th Street - W. Morgan Ave. to W. Howard Ave.						
		Preliminary Engineering	\$300,000.00	\$240,000.00		\$60,000.00		
STP-A	7.4	West Burrelgh Street - N. 35th St. to N. Sherman Blvd.						
		Preliminary Engineering	\$180,000.00	\$144,000.00		\$36,000.00		
STP-A	2.5	West Center Street - N. 60th St. to N. 35th St.						
		Preliminary Engineering	\$700,000.00	\$560,000.00		\$140,000.00		
STP-A	8.8	West State Street - N. 27th St. to N. 35th St.						
		Preliminary Engineering	\$200,000.00	\$160,000.00		\$40,000.00		
STP-A	2.3	North Swan Road (91st St.) - W. Brown Deer Rd. to W. County Line Rd.						
		Preliminary Engineering	\$200,000.00	\$160,000.00		\$40,000.00		
STP-A	2.0	West Lisbon Avenue - N. 84th St. to N. 100th St.						
		Preliminary Engineering	\$720,000.00	\$575,000.00		\$145,000.00		
		<b>SUBTOTAL (STP-A)</b>	<b>\$13,591,980.00</b>	<b>\$10,457,384.00</b>	<b>\$105,000.00</b>	<b>\$3,029,596.00</b>		
		<b>LOCAL SYSTEM BRIDGE PROJECTS</b>						
STP-BR		South 35th Street Bridge - Over the Kinnickinnic River						
		Construction	\$200,000.00	\$160,000.00		\$40,000.00		

**MAJOR STREET IMPROVEMENTS  
2018 BUDGET SUMMARY**

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
STP-BR		Villard Avenue Bridge - Over the Lincoln Creek Construction	\$200,000.00	\$160,000.00		\$40,000.00	complex	
STP-BR		South 70th Street Bridge - Over the CP RR and HAST Construction	\$200,000.00	\$160,000.00		\$40,000.00		
		<b>SUBTOTAL (STP-BR)</b>	<b>\$600,000.00</b>	<b>\$480,000.00</b>	<b>\$0.00</b>	<b>\$120,000.00</b>		
		<b>STATE JURISDICTION PROJECTS</b>						
CH	2.4	South Chase Avenue - W. Ohio Ave. to W. Lincoln Ave. Construction	\$9,280,300.00	\$8,853,245.00	\$20,000.00	\$407,055.00		
		Real Estate	\$288,000.00	\$288,000.00				
		Signal and Sign LFA	\$140,000.00	\$140,000.00				
		Lighting LFA	\$200,860.00	\$200,860.00				
		Street Lighting Conduit	\$75,000.00			\$75,000.00		
CH	3.3	North Broadway - E. St. Paul Ave. to E. State St. Preliminary Engineering	\$170,000.00	\$136,000.00		\$34,000.00		
CH	3.6	West State Street - Old World Third to N. 12th St. Preliminary Engineering	\$200,000.00	\$160,000.00		\$40,000.00		
CH	2.5	North Lake Dr. E. Newberry Blvd. to E. Edgewood Ave. PE	\$500,000.00	\$400,000.00		\$100,000.00		
		<b>SUBTOTAL (CH)</b>	<b>\$10,854,160.00</b>	<b>\$10,178,105.00</b>	<b>\$20,000.00</b>	<b>\$656,055.00</b>		
STATE	9.5	North Glenview Ave. (84th St.) - 194 to W. Blue Mound Rd. Construction	\$2,500,000.00	\$2,450,000.00	\$2,500.00	\$47,500.00		
		Signal and Sign LFA	\$80,000.00	\$64,000.00		\$16,000.00		
		Street Lighting Conduit	\$30,000.00			\$30,000.00		
		<b>SUBTOTAL (STATE)</b>	<b>\$2,610,000.00</b>	<b>\$2,514,000.00</b>	<b>\$2,500.00</b>	<b>\$93,500.00</b>		
		<b>OTHER PROJECTS</b>						
		Pavement Management System	\$135,000.00			\$135,000.00		
		Local Road Improvement Program - Various Locations Construction	\$2,000,000.00	\$1,000,000.00	\$200,000.00	\$800,000.00		
CMAQ		Bike Share - Phase 3 Construction	\$1,077,865.00	\$862,292.00		\$215,573.00		
		Various Project Shortfalls PE and Construction	\$4,000,000.00	\$3,200,000.00		\$800,000.00		
		<b>SUBTOTAL (OTHER PROJECTS)</b>	<b>\$7,212,865.00</b>	<b>\$5,062,292.00</b>	<b>\$200,000.00</b>	<b>\$1,950,573.00</b>		
		<b>YEARLY TOTAL</b>	<b>\$34,869,005.00</b>	<b>\$28,691,781.00</b>	<b>\$327,500.00</b>	<b>\$5,849,724.00</b>		

**MAJOR STREET IMPROVEMENTS  
2019 BUDGET SUMMARY**

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
		<b>LOCAL JURISDICTION PROJECTS</b>						
STP-A	8.3	West Forest Home Avenue - S. 16th St. to W. Lincoln Ave. Preliminary Engineering	\$250,000.00	\$200,000.00		\$50,000.00		
STP-A	2.2	West Morgan Avenue - W. Forest Home Ave. to S. 68th St. Preliminary Engineering	\$370,000.00	\$296,000.00		\$74,000.00		
STP-A	6.5	South Muskego Avenue - W. Forest Home Ave. to W. Greenfield Ave. Preliminary Engineering	\$515,000.00	\$415,000.00		\$100,000.00		
STP-A	2.0	West Roosevelt Drive N. 60th St. to N. 37th St. Preliminary Engineering	\$1,200,000.00	\$960,000.00		\$240,000.00		
STP-A	2.3	East/West Howard Avenue - S. 6th St. to S. Clement Ave. Construction Signal and Sign LFA Street Lighting Conduit	\$5,110,000.00 \$350,000.00 \$100,000.00	\$4,088,000.00 \$280,000.00	\$50,000.00	\$972,000.00 \$70,000.00 \$100,000.00		
STP-A	2.0	North Humboldt Boulevard - E. North Ave. to E. Keefe Ave. Construction Signal and Sign LFA Street Lighting Conduit	\$5,110,000.00 \$350,000.00 \$120,000.00	\$4,088,000.00 \$280,000.00	\$50,000.00	\$972,000.00 \$70,000.00 \$120,000.00		
STP-A	2.2	South 20th Street - W. College Ave. to W. Grange Ave. Construction Signal and Sign LFA Street Lighting Conduit	\$2,500,000.00 \$70,000.00 \$96,000.00	\$2,000,000.00 \$56,000.00	\$60,000.00	\$440,000.00 \$14,000.00 \$96,000.00		
STP-A	2.1	West Howard Avenue - S. 43rd St. to S. 60th St. Construction Signal and Sign LFA Street Lighting Conduit	\$4,300,000.00 \$175,000.00 \$82,000.00	\$3,440,000.00 \$140,000.00	\$110,000.00	\$750,000.00 \$35,000.00 \$82,000.00		
STP-A	2.9	South 16th Street - W. Oklahoma Ave. to W. Lincoln Ave. Construction Signal and Sign LFA Street Lighting Conduit	\$2,400,000.00 \$80,000.00 \$83,000.00	\$1,920,000.00 \$64,000.00	\$24,000.00	\$456,000.00 \$16,000.00 \$83,000.00		
STP-A	2.1	North Hopkins Street - W. Congress Ave. to W. Silver Spring Dr. Construction Signal and Sign LFA Street Lighting Conduit	\$3,530,000.00 \$190,000.00 \$127,000.00	\$2,824,000.00 \$152,000.00	\$35,000.00	\$671,000.00 \$38,000.00 \$127,000.00		
		<b>SUBTOTAL (STP-A)</b>	<b>\$27,108,000.00</b>	<b>\$21,203,000.00</b>	<b>\$329,000.00</b>	<b>\$5,576,000.00</b>		
		<b>LOCAL SYSTEM BRIDGE PROJECTS</b>						
STP-BR		South Chase Avenue Bridge - Over the UP RR Preliminary Engineering	\$120,000.00	\$96,000.00		\$24,000.00		

**MAJOR STREET IMPROVEMENTS  
2019 BUDGET SUMMARY**

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
STP-BR		South Dana Court Bridge - Over Abandoned Railroad Preliminary Engineering	\$105,000.00	\$84,000.00		\$21,000.00		
STP-BR		West Calumet Road Bridge - Over the Little Menomonee River Preliminary Engineering	\$90,000.00	\$72,000.00		\$18,000.00		
STP-BR		West Hampton Avenue Bridge - Over the Lincoln Creek Construction	\$200,000.00	\$160,000.00		\$40,000.00		
		<b>SUBTOTAL (STP-BR)</b>	<b>\$515,000.00</b>	<b>\$412,000.00</b>	<b>\$0.00</b>	<b>\$103,000.00</b>		
		<b>STATE JURISDICTION PROJECTS</b>						
		<b>OTHER PROJECTS</b>						
		Pavement Management System	\$135,000.00			\$135,000.00		
		Various Project Shortfalls PE and Construction	\$4,000,000.00	\$3,200,000.00		\$800,000.00		
		<b>SUBTOTAL (OTHER PROJECTS)</b>	<b>\$4,135,000.00</b>	<b>\$3,200,000.00</b>	<b>\$0.00</b>	<b>\$935,000.00</b>		
		<b>YEARLY TOTAL</b>	<b>\$31,758,000.00</b>	<b>\$24,815,000.00</b>	<b>\$329,000.00</b>	<b>\$6,614,000.00</b>		

MAJOR STREET IMPROVEMENTS  
2020 BUDGET SUMMARY

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
<b>LOCAL JURISDICTION PROJECTS</b>								
STP-A	2.0	West Lakefield Drive - S. 35th St. to W. Morgan Ave.						
		Construction	\$1,950,000.00	\$1,560,000.00	\$20,000.00	\$370,000.00		
		Signal and Sign LFA	\$150,000.00	\$120,000.00		\$30,000.00		
		Street Lighting Conduit	\$35,000.00			\$35,000.00		
STP-A	5.5	South 16th Street - W. Lincoln Ave. to W. Greenfield Ave.						
		Construction	\$2,400,000.00	\$1,920,000.00	\$24,000.00	\$456,000.00		
		Signal and Sign LFA	\$80,000.00	\$64,000.00		\$16,000.00		
		Street Lighting Conduit	\$80,000.00			\$80,000.00		
STP-A	2.0	North 27th Street - W. Hopkins St. to W. Capitol Dr.						
		Construction	\$1,007,000.00	\$805,600.00	\$10,000.00	\$191,400.00		
		Signal and Sign LFA	\$100,000.00	\$80,000.00		\$20,000.00		
		Street Lighting Conduit	\$50,000.00			\$50,000.00		
STP-A	2.0	North 68th Street - W. Capitol Dr. to W. Hampton Ave.						
		Construction	\$2,135,000.00	\$1,708,000.00	\$20,000.00	\$407,000.00		
		Signal and Sign LFA	\$50,000.00	\$40,000.00		\$10,000.00		
		Street Lighting Conduit	\$88,000.00			\$88,000.00		
STP-A	8.8	South 68th Street - W. Morgan Ave. to W. Cleveland Ave.						
		Construction	\$1,700,000.00	\$1,360,000.00	\$17,000.00	\$323,000.00		
		Signal and Sign LFA	\$50,000.00	\$40,000.00		\$10,000.00		
		Street Lighting Conduit	\$86,000.00			\$86,000.00		
STP-A	8.9	South 68th Street - W. Morgan Ave. to W. Howard Ave.						
		Construction	\$1,600,000.00	\$1,280,000.00	\$16,000.00	\$304,000.00		
		Signal and Sign LFA	\$100,000.00	\$80,000.00		\$20,000.00		
		Street Lighting Conduit	\$44,000.00			\$44,000.00		
STP-A	7.4	West Burleigh Street - N. 35th St. to N. Sherman Blvd.						
		Construction	\$1,200,000.00	\$960,000.00	\$12,000.00	\$228,000.00		
		Signal and Sign LFA	\$100,000.00	\$80,000.00		\$20,000.00		
		Street Lighting Conduit	\$48,000.00			\$48,000.00		
STP-A	2.5	West Center Street - N. 60th St. to N. 35th St.						
		Construction	\$4,340,000.00	\$3,472,000.00	\$43,000.00	\$825,000.00		
		Signal and Sign LFA	\$500,000.00	\$400,000.00		\$100,000.00		
		Street Lighting Conduit	\$128,000.00			\$128,000.00		
STP-A	8.8	West State Street - N. 27th St. to N. 35th St.						
		Construction	\$1,110,000.00	\$888,000.00	\$11,000.00	\$211,000.00		
		Signal and Sign LFA	\$125,000.00	\$100,000.00		\$25,000.00		
		Street Lighting Conduit	\$50,000.00			\$50,000.00		
STP-A	2.3	North Swan Road (91st St.) - W. Brown Deer Rd. to W. County Line Rd.						
		Construction	\$1,300,000.00	\$1,040,000.00	\$13,000.00	\$247,000.00		
		Signal and Sign LFA	\$125,000.00	\$100,000.00		\$25,000.00		
		Street Lighting Conduit	\$96,000.00			\$96,000.00		

**MAJOR STREET IMPROVEMENTS  
2020 BUDGET SUMMARY**

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
- STP-A	2.0	West Lisbon Avenue - N. 84th St. to N. 100th St.						
		Construction	\$5,250,000.00	\$4,200,000.00	\$52,000.00	\$998,000.00		
		Signal and Sign LFA	\$225,000.00	\$180,000.00		\$45,000.00		
		Street Lighting Conduit	\$101,000.00			\$101,000.00		
STP-A	2.5	North Lake Dr. E. Newberry Blvd. to E. Edgewood Ave.						
		Construction	\$4,000,000.00	\$3,200,000.00	\$40,000.00	\$760,000.00		
		Signal and Sign LFA	\$280,000.00	\$224,000.00		\$56,000.00		
		Street Lighting Conduit	\$75,000.00			\$75,000.00		
		<b>SUBTOTAL (STP-A)</b>	<b>\$30,758,000.00</b>	<b>\$23,901,600.00</b>	<b>\$278,000.00</b>	<b>\$6,578,400.00</b>		
		<b>LOCAL SYSTEM BRIDGE PROJECTS</b>						
STP-BR		Local System Bridge Program - Various Locations						
		Construction	\$400,000.00	\$320,000.00		\$80,000.00		
		<b>SUBTOTAL (STP-BR)</b>	<b>\$400,000.00</b>	<b>\$320,000.00</b>	<b>\$0.00</b>	<b>\$80,000.00</b>		
		<b>STATE JURISDICTION PROJECTS</b>						
CH	3.3	North Broadway - E. St. Paul Ave. to E. State St.						
		Construction	\$1,140,000.00	\$912,000.00	\$11,000.00	\$217,000.00		
		Signal and Sign LFA	\$40,000.00	\$32,000.00		\$8,000.00		
		Street Lighting Conduit	\$100,000.00			\$100,000.00		
CH	3.6	West State Street - Old World Third to N. 12th St.						
		Construction	\$2,000,000.00	\$1,600,000.00	\$20,000.00	\$380,000.00		
		Signal and Sign LFA	\$50,000.00	\$40,000.00		\$10,000.00		
		Street Lighting Conduit	\$75,000.00			\$75,000.00		
		<b>SUBTOTAL (CH)</b>	<b>\$3,405,000.00</b>	<b>\$2,584,000.00</b>	<b>\$31,000.00</b>	<b>\$790,000.00</b>		
		<b>OTHER PROJECTS</b>						
		Pavement Management System	\$135,000.00			\$135,000.00		
		Local Road Improvement Program - Various Locations						
		Construction	\$2,000,000.00	\$1,000,000.00	\$200,000.00	\$800,000.00		
		Various Project Shortfalls						
		PE and Construction	\$4,000,000.00	\$3,200,000.00		\$800,000.00		
		<b>SUBTOTAL (OTHER PROJECTS)</b>	<b>\$6,135,000.00</b>	<b>\$4,200,000.00</b>	<b>\$200,000.00</b>	<b>\$1,735,000.00</b>		
		<b>YEARLY TOTAL</b>	<b>\$40,698,000.00</b>	<b>\$31,005,600.00</b>	<b>\$509,000.00</b>	<b>\$9,183,400.00</b>		

**MAJOR STREET IMPROVEMENTS  
2021 BUDGET SUMMARY**

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON ASSESSABLE	RISK	JUSTIFICATION
<b>LOCAL JURISDICTION PROJECTS</b>								
STP-A	8.3	West Forest Home Avenue - S. 16th St. to W. Lincoln Ave.						
		Construction	\$1,500,000.00	\$1,200,000.00	\$15,000.00	\$285,000.00		
		Signal and Sign LFA	\$262,000.00	\$209,600.00		\$52,400.00		
		Street Lighting Conduit	\$94,000.00			\$94,000.00		
STP-A	2.2	West Morgan Avenue - W. Forest Home Ave. to S. 68th St.						
		Construction	\$2,000,000.00	\$1,600,000.00	\$20,000.00	\$380,000.00		
		Signal and Sign LFA	\$90,000.00	\$72,000.00		\$18,000.00		
		Street Lighting Conduit	\$75,000.00			\$75,000.00		
STP-A	6.5	South Muskego Avenue - W. Forest Home Ave. to W. Greenfield Ave.						
		Construction	\$3,700,000.00	\$2,960,000.00	\$37,000.00	\$703,000.00		
		Signal and Sign LFA	\$250,000.00	\$200,000.00		\$50,000.00		
		Street Lighting Conduit	\$66,000.00			\$66,000.00		
STP-A	2.0	West Roosevelt Drive N. 60th St. to N. 37th St.						
		Construction	\$10,000,000.00	\$8,000,000.00	\$100,000.00	\$1,900,000.00		
		Signal and Sign LFA	\$350,000.00	\$280,000.00		\$70,000.00		
		<b>SUTOTAL (STP-A)</b>	<b>\$18,387,000.00</b>	<b>\$14,521,600.00</b>	<b>\$172,000.00</b>	<b>\$3,693,400.00</b>		
<b>LOCAL SYSTEM BRIDGE PROJECTS</b>								
STP-BR		South Chase Avenue Bridge - Over the UP RR						
		Construction	\$200,000.00	\$160,000.00		\$40,000.00		
STP-BR		South Dana Court Bridge - Over Abandoned Railroad						
		Construction	\$200,000.00	\$160,000.00		\$40,000.00		
STP-BR		West Calumet Road Bridge - Over the Little Menomonee River						
		Construction	\$200,000.00	\$160,000.00		\$40,000.00		
		<b>SUBTOTAL (STP-BR)</b>	<b>\$600,000.00</b>	<b>\$480,000.00</b>	<b>\$0.00</b>	<b>\$120,000.00</b>		
<b>STATE JURISDICTION PROJECTS</b>								
STATE		West Loomis Road - S. 51st St. to W. Fardale Ave.						
		Construction	\$11,000,000.00	\$10,925,000.00		\$75,000.00		
		Signal and Sign LFA	\$125,000.00	\$100,000.00		\$25,000.00		
		<b>SUBTOTAL (STATE)</b>	<b>\$11,125,000.00</b>	<b>\$11,025,000.00</b>	<b>\$0.00</b>	<b>\$100,000.00</b>		
<b>OTHER PROJECTS</b>								
		Pavement Management System	\$135,000.00			\$135,000.00		
		Various Project Shortfalls						
		PE and Construction	\$4,000,000.00	\$3,200,000.00		\$800,000.00		
		<b>SUBTOTAL (OTHER PROJECTS)</b>	<b>\$4,135,000.00</b>	<b>\$3,200,000.00</b>	<b>\$0.00</b>	<b>\$935,000.00</b>		
<b>YEARLY TOTAL</b>			<b>\$34,247,000.00</b>	<b>\$29,226,600.00</b>	<b>\$172,000.00</b>	<b>\$4,848,400.00</b>		

# Capital Improvement Request Form Part I

Project/Program Title: Street Resurface/Reconstruction Requesting Department: Department of Public Works

Prepared By/Phone Ext: S Amin -2461 Department Head Signature: *Ghassan Kuhn*

Account No: ST211160000

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  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

One analysis was that more than 17 miles of streets should be replaced each year to maintain the infrastructure. There are approximately 990 miles of local and collector streets that are funded by this program. Approximately \$17 million in expenditure on rehabilitation should be sufficient to meet this goal. The Vehicle Registration Fee, approved in 2008, has replaced the assessment for the pavement items, the only assessable items are 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 \$1.0 million for maintenance operations such as sealing, crackfilling and overlays of streets.



## CIC - Capital Improvement Request Part III

Department:	Department of Public Works	Date Submitted:	3/16/2015
Project/Program:	Street Resurface/Reconstruction		
Prepared By:	Samir Amin	Current Request:	\$7,600,000
Dept Head:	Jeffrey Polenske, City Engineer	6 Yr Total:	\$83,600,000

**General Project/Program Description:**  
 This program is for repaving/reconstructing local streets

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
	x			Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
	x			What return on investment will this project generate?
	x			What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x			less maintenance	Will the project lead to a reduction in operating costs?
	x			Will the project lead to increased productivity or service improvements?
	x		less maintenance	Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Street resurface/reconstruction

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		x		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
	x			Will the project mitigate blight?
	x			Does the project target the quality of life of all citizens?
	x			Does the project preserve or improve the historical or natural heritage of the City?
	x			Is the project consistent with established community character?
	x			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
	x			Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
x			reduces the cycle	How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
	x			Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
	x			Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	x			Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
	x			Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
	x			Does the project have the potential to promote economic/community development in areas where growth is desired?
	x			Will the project continue to promote or enhance economic/community development in an already developed area?
	x			Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
	x			Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
	x			Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	x			Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: High Impact Requesting Department: Department of Public Works

Prepared By/Phone Ext: S Amin -2461 Department Head Signature: *Ghassan Kaban*

Account No: ST216160000

A) Department Priority \_\_\_\_\_ of \_\_\_\_\_ Useful Life 10 Years Level of Need  Essential  Important  Desired

Type of Project  New  Replacement  Repair  On-Going Program

Project/Program Scope  Fully Defined  Partially Defined

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This is a program targeted at doing more maintenance on major and minor streets. It was a newly funded program in 2013. \$1 million was budgeted in 2013, \$3 millions was allocated in 2014 , \$8 million will be used in 2015 and \$8 millions is requested for 2016. Only asphalt and pavement markings are included on the projects. There is no concrete work proposed and there will be no assessments.

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: Department of Public Works      Account No: ST216160000  
 Project/Program Title: High Impact

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015	\$0					\$0
2016 Budget Request	\$8,000,000					\$8,000,000
2017 Projection	\$8,000,000					\$8,000,000
2018 Projection	\$1,000,000					\$1,000,000
2019 Projection	\$1,000,000					\$1,000,000
2020 Projection	\$1,000,000					\$1,000,000
2021 Projection	\$1,000,000					\$1,000,000
<b>Total Six Year Cost</b>	\$20,000,000	\$0	\$0	\$0	\$0	\$20,000,000
<b>Total Project Cost</b>	\$20,000,000	\$0	\$0	\$0	\$0	\$20,000,000

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

	2016	2017	2018	2019	2020	2021
<b>Available Cost Estimate:</b>						
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 type="checkbox"/>					
Unsupported	<input type="checkbox"/>					

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

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

Estimated Start Date: 05/01/16  
 Estimated Completion Date: \_\_\_\_\_

Department Head Signature: *Ghassan Khatib*  
 Prepared By/Phone Ext: S Amin -2461

## CIC - Capital Improvement Request Part III

Department:	Department of Public Works	Date Submitted:	3/16/2015
Project/Program:	High Impact Streets		
Prepared By:	Samir Amin	Current Request:	\$8,000,000
Dept Head:	Jeffrey Polenske, City Engineer	6 Yr Total:	\$20,000,000

**General Project/Program Description:**

this is a program targeted at doing more maintenance on major streets

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
	x			Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
	x			Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: High Impact Streets

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		x		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
	x			Will the project mitigate blight?
	x			Does the project target the quality of life of all citizens?
	x			Does the project preserve or improve the historical or natural heritage of the City?
	x			Is the project consistent with established community character?
	x			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
	x			Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?

Comments / Other Considerations:

Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
x				How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
	x			Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	x			Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
	x			Will this project improve the functionality or service life of other related infrastructure?

Comments / Other Considerations:

The replacement will prolong the existing usefull life of the street by 7 to 10 years.

Yes	No	N/A	Amount	Economic / Community Development
	x			Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
	x			Will the project produce desirable jobs in the City?
				Will the project rejuvenate an area that needs assistance?
	x			Will the project promote the equitable distribution of the costs and benefits of development?

Comments / Other Considerations:

Yes	No	N/A	Amount	Special Considerations
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	x			Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?

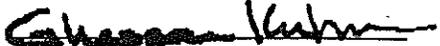
Comments / Other Considerations:

# Capital Improvement Request Form Part I

Project/Program Title: Alley Reconstruction

Requesting Department: Department of Public Works

Prepared By/Phone Ext: S Amin -2461

Department Head Signature: 

Account No.: ST212160000

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This is a listing of 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 current recovery rate is 30% of the costs. 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 2000-2014 based on the funds budgeted for the alley program, an average of 20 alleys have been replaced per year. The alley system is comprised of approximately 4000 alleys. Based on this data, we have had an average replacement cycle of nearly 200 years. In 2015, approximately 22 alleys will be constructed. To reduce the replacement cycle to 100 years, more than \$3.0M will be needed.

## Capital Improvement Request Part II

Requesting Department: Department of Public Works Account No: ST212160000  
 Project/Program Title: Alley Reconstruction

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015				\$300,000		\$300,000
2016 Budget Request	\$2,025,000			\$100,000		\$2,125,000
2017 Projection	\$1,725,000			\$400,000		\$2,125,000
2018 Projection	\$1,725,000			\$400,000		\$2,125,000
2019 Projection	\$1,725,000			\$400,000		\$2,125,000
2020 Projection	\$1,725,000			\$400,000		\$2,125,000
2021 Projection	\$1,725,000			\$400,000		\$2,125,000
<b>Total Six Year Cost</b>	<b>\$10,650,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,100,000</b>	<b>\$0</b>	<b>\$12,750,000</b>
<b>Total Project Cost</b>	<b>\$10,650,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,400,000</b>	<b>\$0</b>	<b>\$13,050,000</b>

Life to Date Expenditures (Project Only)

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

**Available Cost Estimate:**

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- 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

S Amin -2461

## CIC - Capital Improvement Request Part III

Department:	Department Of Public Works	Date Submitted:	3/16/2015
Project/Program:	Alley reconstruction		
Prepared By:	Samir Amin	Current Request:	\$2,125,000
Dept Head:	Jeffrey Polenske, City Engineer	6 Yr Total:	\$12,750,000

**General Project/Program Description:**

This program is for the replacement of alleys.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x			less potholes	Does the project directly reduce risks to people or property?
x			less damage to property	Does the project directly promote improved health or safety?
	x			Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
	x			What return on investment will this project generate?
	x			What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x			less maintenance	Will the project lead to a reduction in operating costs?
	x			Will the project lead to increased productivity or service improvements?
	x		less maintenance	Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Alley reconstruction

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		x		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
	x			Will the project mitigate blight?
	x			Does the project target the quality of life of all citizens?
	x			Does the project preserve or improve the historical or natural heritage of the City?
	x			Is the project consistent with established community character?
	x			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
	x			Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?

Comments / Other Considerations:

Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
x			reduces the cycle	How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
		x	replaces	Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
			can be provided	Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	x			Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
	x			Will this project improve the functionality or service life of other related infrastructure?

Comments / Other Considerations:

Yes	No	N/A	Amount	Economic / Community Development
	x			Does the project have the potential to promote economic/community development in areas where growth is desired?
	x			Will the project continue to promote or enhance economic/community development in an already developed area?
			possibly	Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
	x			Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
	x			Will the project promote the equitable distribution of the costs and benefits of development?

Comments / Other Considerations:

Yes	No	N/A	Amount	Special Considerations
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	x			Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?

Comments / Other Considerations:

# Capital Improvement Request Form Part I

Project/Program Title: New Street

Requesting Department: Department of Public Works

Prepared By/Phone Ext: S Amin -2461

Department Head Signature: *Gale... Kuhn*

Account No: ST210160000

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This program provides for the construction of presently unimproved streets to serve residential, commercial or industrial area. 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

# Capital Improvement Request Part II

Requesting Department: Department of Public Works Account No: ST210160000  
 Project/Program Title: New Streets

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request	\$200,000			\$150,000		\$350,000
2017 Projection	\$0			\$0		\$0
2018 Projection	\$200,000			\$150,000		\$350,000
2019 Projection	\$0			\$0		\$0
2020 Projection	\$200,000			\$150,000		\$350,000
2021 Projection	\$0			\$0		\$0
<b>Total Six Year Cost</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$450,000</b>	<b>\$0</b>	<b>\$1,050,000</b>
<b>Total Project Cost</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$450,000</b>	<b>\$0</b>	<b>\$1,050,000</b>

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

Available Cost Estimate:	2016	2017	2018	2019	2020	2021
Thorough Cost Estimate	<input type="checkbox"/>					
Limited Information	<input checked="" type="checkbox"/>					
Based on Cost of Similar Projects	<input type="checkbox"/>					
Unsupported	<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: *Ghassan Kaban*  
 Prepared By/Phone Ext: S Amin -2461

# CIC - Capital Improvement Request Part III

Department:	Department of Public works	Date Submitted:	3/16/2015
Project/Program:	New Streets		
Prepared By:	Samir Amin	Current Request:	\$350,000
Dept Head:	Jeffrey Polenske, City Engineer	6 Yr Total:	\$1,050,000

**General Project/Program Description:**  
 Construction of new streets, which are currently 'unimproved' rights of way

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
	x			Does the project directly reduce risks to people or property?
	x			Does the project directly promote improved health or safety?
	x			Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
	x			Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
	x			Will the project lead to a reduction in operating costs?
	x			Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
				Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: **New Streets**

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - <i>Comprehensive Area Plans adopted by the Common Council are available on DCD's website</i>
	x			Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable <b>Comprehensive Plan, special study, survey, committee or board?</b>
	x			Does the project increase or enhance <b>educational opportunities</b> for City of Milwaukee citizens?
	x			Does the project increase or enhance <b>recreational opportunities and/or green space?</b>
	x			Will the project <b>mitigate blight?</b>
	x			Does the project target the <b>quality of life</b> of all citizens?
	x			Does the project preserve or improve the <b>historical or natural heritage</b> of the City?
	x			Is the project consistent with <b>established community character?</b>
x			could be a new development	Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
	x			Does the project improve, mitigate or prevent degradation of <b>environmental quality</b> (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - <i>Primarily recurring infrastructure and facility preservation programs</i>
		x		How does the request affect the replacement cycle? Provide specifics below.
		x		Has the facility being replaced <b>exceeded its useful life?</b>
		x		Does this project <b>extend the useful life</b> of an existing facility?
		x		Do <b>maintenance costs exceed replacement costs?</b>
		x		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		x		Does the project incorporate <b>new technology</b> that will provide enhanced service?
		x		Does the project extend service for new development or redevelopment?
		x		Will this project improve the functionality or service life of <b>other related infrastructure?</b>
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
	x			Does the project have the potential to promote economic/community development in areas where growth is desired?
	x			Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the <b>net impact</b> of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
			possibly	Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
	x			Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
				Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
				Are there <b>critical timing issues</b> associated with this project?
				Are there <b>inter-jurisdictional considerations?</b>
				Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: Developer paving Requesting Department: Department of Public Works  
 Prepared By/Phone Ext: S AMin -2461 Department Head Signature:   
 Account No: ST214160000

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  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. This fund is also used for street paving projects that are partially in other adjacent communities. The projects are constructed, then billed to the community.

G) Additional Comments

## Capital Improvement Request Part II

Requesting Department: Department of Public Works Account No: ST214160000  
 Project/Program Title: Developer paving

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015			\$0			\$0
2016 Budget Request						\$0
2017 Projection						\$0
2018 Projection						\$0
2019 Projection						\$0
2020 Projection						\$0
2021 Projection						\$0
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$0	\$0

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

Available Cost Estimate:	2016	2017	2018	2019	2020	2021
Thorough Cost Estimate	<input type="checkbox"/>					
Limited Information	<input type="checkbox"/>					
Based on Cost of Similar Projects	<input type="checkbox"/>					
Unsupported	<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: *Ghassan Kaban*  
 Prepared By/Phone Ext: S Amin-2461

## CIC - Capital Improvement Request Part III

Department:	Department of Public works	Date Submitted:	3/16/2015
Project/Program:	Developer Paving		
Prepared By:	Samir Amin	Current Request:	\$0
Dept Head:	Jeffrey Polenske, City Engineer	6 Yr Total:	\$0

**General Project/Program Description:**  
 Installation of Public Improvements for new residential and commercial developments

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
	x			Does the project directly reduce risks to people or property?
	x			Does the project directly promote improved health or safety?
	x			Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
	x			Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
	x			Will the project lead to a reduction in operating costs?
	x			Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
				Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Developer Paving

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>				
	x			Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
	x			Will the project mitigate blight?
	x			Does the project target the quality of life of all citizens?
	x			Does the project preserve or improve the historical or natural heritage of the City?
	x			Is the project consistent with established community character?
x			could be a new development	Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
	x			Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>				
		x		How does the request affect the replacement cycle? Provide specifics below.
		x		Has the facility being replaced exceeded its useful life?
		x		Does this project extend the useful life of an existing facility?
		x		Do maintenance costs exceed replacement costs?
		x		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		x		Does the project incorporate new technology that will provide enhanced service?
		x		Does the project extend service for new development or redevelopment?
		x		Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
<b>Economic / Community Development</b>				
	x			Does the project have the potential to promote economic/community development in areas where growth is desired?
	x			Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
			possibly	Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
	x			Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
<b>Special Considerations</b>				
				Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
				Are there critical timing issues associated with this project?
				Are there inter-jurisdictional considerations?
				Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: Sidewalk Replacement program Requesting Department: Department of Public Works  
 Prepared By/Phone Ext: Samir Amin-2461 Department Head Signature: *Ghassan Kuhn*  
 Account No.: ST230150000

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  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 shape"(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 300,000 to 350,000 square feet of sidewalk. Project scope include sidewalk, curb and gutter and handicap ramp replacements by contract and scattered sites.

## Capital Improvement Request Part II

Requesting Department: Department of Public Works/Infrastructure Account No: ST230150000  
 Project/Program Title: Sidewalk Replacement Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015	\$0			\$450,000		\$450,000
2016 Budget Request	\$1,425,000			\$475,000		\$1,900,000
2017 Projection	\$1,500,000			\$500,000		\$2,000,000
2018 Projection	\$1,575,000			\$525,000		\$2,100,000
2019 Projection	\$1,580,000			\$620,000		\$2,200,000
2020 Projection	\$1,625,000			\$500,000		\$2,125,000
2021 Projection	\$1,650,000			\$600,000		\$2,250,000
<b>Total Six Year Cost</b>	<b>\$9,355,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,220,000</b>	<b>\$0</b>	<b>\$12,575,000</b>
<b>Total Project Cost</b>	<b>\$9,355,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,670,000</b>	<b>\$0</b>	<b>\$13,025,000</b>

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

Available Cost Estimate:	2016	2017	2018	2019	2020	2021
Thorough Cost Estimate	<input type="checkbox"/>					
Limited Information	<input type="checkbox"/>					
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>					
Unsupported	<input type="checkbox"/>					

Were cost estimates confirmed by another source?       Yes       No       Uncertain

Are cost estimates based on industry standards?       Yes       No       Uncertain

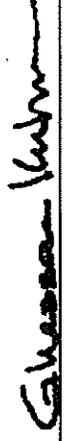
Will city employees be performing any portion of the work?       Yes       No       Uncertain

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

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

Estimated Start Date: 04/01/16

Estimated Completion Date: 12/31/16

Department Head Signature: 

Prepared By/Phone Ext: Samir Amin X 2461

## CIC - Capital Improvement Request Part III

Department:	DPW/INFRASTRUCTURE TRANSPORTATION	Date Submitted:	3/16/2015
Project/Program:	SIDEWALK REPLACEMENT PROGRAM		
Prepared By:	Samir Amin	Current Request:	\$1,900,000
Dept Head:	Jeffery polenske	6 Yr Total:	\$12,575,000

**General Project/Program Description:**

Program funds the replacement of deteriorated sidewalks throughout the City in specific geographical areas as requested by residents.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
		x		Does the project address a legislative, regulatory or court-ordered mandate?
		x		Does the project promote long-term regulatory compliance?
		x		Will there be a serious negative impact on the City if compliance is not achieved?
				Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
		x		Will the project lead to a reduction in operating costs?
		x		Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
x				Is there a revenue generating opportunity? (e.g. user fees)
		x		Will the project result in a reduction in energy use?
		x		Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

Portion of cost are assessable to the property owner.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: **SIDEWALK REPLACEMENT PROGRAM**

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		x		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		x		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		x		Does the project increase or enhance recreational opportunities and/or green space?
		x		Will the project mitigate blight?
		x		Does the project target the quality of life of all citizens?
		x		Does the project preserve or improve the historical or natural heritage of the City?
		x		Is the project consistent with established community character?
		x		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		x		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
x				How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
	x			Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
		x		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	x			Does the project incorporate new technology that will provide enhanced service?
	x			Does the project extend service for new development or redevelopment?
	x			Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
x				Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
		x		Would an alternate location for this project provide a greater positive economic impact?
x				Will the project produce desirable jobs in the City?
x				Will the project rejuvenate an area that needs assistance?
		x		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	x			Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
		x		Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: Street Lighting Program

Requesting Department: DPW/Infrastructure Services

Prepared By/Phone, Ext: Robert W. Bryson, ext 3244

Department Head Signature: *Robert W. Bryson*

Account No: ST240160000

A) Department Priority \_\_\_\_\_ of \_\_\_\_\_ Useful Life 40 Years Level of Need  Essential  Important  Desired

Type of Project  New  Replacement  Repair  On-Going Program

Project/Program Scope  Fully Defined  Partially Defined

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  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 equipment age with respect to average useful 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 or other utility construction.

G) Additional Comments

Investment in this program continues to preserve and improve lighting and increase system reliability, which promotes livability and attractiveness of City neighborhoods while supporting a sense of security for residents. Provision of adequate lighting also supports local business growth by increasing the visibility and security of commercial business districts, and creates a sense of safety and security for their patrons. Pedestrian and vehicular safety during nighttime hours is enhanced through high level and pedestrian scale lighting, which in turn reduces costs related to traffic crashes and promotes a nighttime pedestrian presence. Maintaining street lighting levels which meet minimum standards also reduces exposure to liability. Additionally, the continued incorporation of advances in 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: ST240160000  
 Project/Program Title: Street Lighting Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request	\$10,900,000					\$10,900,000
2017 Projection	\$11,180,000					\$11,180,000
2018 Projection	\$11,610,000					\$11,610,000
2019 Projection	\$12,100,000					\$12,100,000
2020 Projection	\$12,560,000					\$12,560,000
2021 Projection	\$13,030,000					\$13,030,000
<b>Total Six Year Cost</b>	\$71,380,000	\$0	\$0	\$0	\$0	\$71,380,000
<b>Total Project Cost</b>	\$71,380,000	\$0	\$0	\$0	\$0	\$71,380,000

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2016	2017	2018	2019	2020	2021
Limited Information	<input type="checkbox"/>					
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>					
Unsupported	<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: 01/01/16

Estimated Completion Date: 12/31/16

Department Head Signature



Prepared By/Phone Ext

**Six Year  
Capital Improvement Program**

**Street Lighting**

Sec. Project Description	Labor, Wages and Materials	2016 Fringe Benefits	Total	Cumulative
<b>A. Paving Program</b>				
1 Improvements Related to Paving	\$4,251,000	\$849,000	\$5,100,000	
Subtotal, Section A	\$4,251,000	\$849,000	\$5,100,000	\$5,100,000
<b>B. Street Lighting Substations</b>				
1 Substation Repair and Enclosure Maint.	\$108,000	\$22,000	\$130,000	
2 Street Lighting Control Circuit Replacement	\$0	\$0	\$1,250,000	
Subtotal, Section B	\$108,000	\$22,000	\$1,380,000	\$6,480,000
<b>C. Neighborhood Lighting Program</b>				
1 Upgrade Street and Alley Lighting	\$133,000	\$27,000	\$160,000	
2 Harp Light LED Conversion	\$166,700	\$33,300	\$200,000	
3 Excavation Repairs	\$275,000	\$55,000	\$330,000	
4 Remove Series Circuitry	\$834,000	\$166,000	\$1,000,000	
4 Pole, Cable and Misc. Equipment Upgrades	\$750,000	\$150,000	\$900,000	
6 Uncollectable Pole Knockdown Repair	\$483,000	\$97,000	\$580,000	
Subtotal, Section C	\$2,641,700	\$528,300	\$3,170,000	\$9,650,000
<b>D. Engineering</b>				
1 Street Lighting Engineering	\$850,340	\$399,660	\$1,250,000	
Subtotal, Section E	\$850,340	\$399,660	\$1,250,000	\$10,900,000
<b>Total</b>	<b>\$7,851,040</b>	<b>\$1,798,960</b>	<b>\$10,900,000</b>	<b>\$10,900,000</b>

March 13, 2015

Six Year  
Capital Improvement Program

Street Lighting

Sec. Project Description	Labor, Wages and Materials	2017 Fringe Benefits	Total	Cumulative
A. Paving Program				
1 Improvements Related to Paving	\$4,500,000	\$900,000	\$5,400,000	
Subtotal, Section A	\$4,500,000	\$900,000	\$5,400,000	\$5,400,000
B. Street Lighting Substations				
1 Substation Repair and Enclosure Maint.	\$108,000	\$22,000	\$130,000	
2 Street Lighting Control Circuit Replacement	\$0	\$0	\$1,250,000	
Subtotal, Section B	\$108,000	\$22,000	\$1,380,000	\$6,780,000
C. Neighborhood Lighting Program				
1 Upgrade Street and Alley Lighting	\$142,000	\$28,000	\$170,000	
2 Harp Light LED Conversion	\$0	\$0	\$0	
3 Excavation Repairs	\$292,000	\$58,000	\$350,000	
4 Remove Series Circuitry	\$834,000	\$166,000	\$1,000,000	
Pole, Cable and Misc. Equipment Upgrades	\$792,000	\$158,000	\$950,000	
6 Uncollectable Pole Knockdown Repair	\$483,000	\$97,000	\$580,000	
Subtotal, Section C	\$2,543,000	\$507,000	\$3,050,000	\$9,830,000
D. Engineering				
1 Street Lighting Engineering	\$918,000	\$432,000	\$1,350,000	
Subtotal, Section E	\$918,000	\$432,000	\$1,350,000	\$11,180,000
Total	\$8,069,000	\$1,861,000	\$11,180,000	\$11,180,000

March 13, 2015

**Six Year  
Capital Improvement Program**

**Street Lighting**

Sec. Project Description	Labor, Wages and Materials	2018 Fringe Benefits	Total	Cumulative
<b>A. Paving Program</b>				
1 Improvements Related to Paving	\$4,750,000	\$950,000	\$5,700,000	
Subtotal, Section A	\$4,750,000	\$950,000	\$5,700,000	\$5,700,000
<b>B. Street Lighting Substations</b>				
1 Substation Repair and Enclosure Maint.	\$108,000	\$22,000	\$130,000	
2 Street Lighting Control Circuit Replacement	\$0	\$0	\$1,250,000	
Subtotal, Section B	\$108,000	\$22,000	\$1,380,000	\$7,080,000
<b>C. Neighborhood Lighting Program</b>				
1 Upgrade Street and Alley Lighting	\$150,000	\$30,000	\$180,000	
2 Harp Light LED Conversion	\$0	\$0	\$0	
3 Excavation Repairs	\$308,000	\$62,000	\$370,000	
4 Remove Series Circuitry	\$834,000	\$166,000	\$1,000,000	
5 Pole, Cable and Misc. Equipment Upgrades	\$834,000	\$166,000	\$1,000,000	
6 Uncollectable Pole Knockdown Repair	\$483,000	\$97,000	\$580,000	
Subtotal, Section C	\$2,609,000	\$521,000	\$3,130,000	\$10,210,000
<b>D. Engineering</b>				
1 Street Lighting Engineering	\$952,000	\$448,000	\$1,400,000	
Subtotal, Section E	\$952,000	\$448,000	\$1,400,000	\$11,610,000
<b>Total</b>	<b>\$8,419,000</b>	<b>\$1,941,000</b>	<b>\$11,610,000</b>	<b>\$11,610,000</b>

March 13, 2015

**Six Year  
Capital Improvement Program**

**Street Lighting**

Sec. Project Description	Labor, Wages and Materials	2019 Fringe Benefits	Total	Cumulative
<b>A. Paving Program</b>				
1 Improvements Related to Paving	\$5,000,000	\$1,000,000	\$6,000,000	
Subtotal, Section A	\$5,000,000	\$1,000,000	\$6,000,000	\$6,000,000
<b>B. Street Lighting Substations</b>				
1 Substation Repair and Enclosure Maint.	\$108,000	\$22,000	\$130,000	
2 Street Lighting Control Circuit Replacement	\$0	\$0	\$1,250,000	
Subtotal, Section B	\$108,000	\$22,000	\$1,380,000	\$7,380,000
<b>C. Neighborhood Lighting Program</b>				
1 Upgrade Street and Alley Lighting	\$158,000	\$32,000	\$190,000	
2 Harp Light LED Conversion	\$0	\$0	\$0	
3 Excavation Repairs	\$325,000	\$65,000	\$390,000	
4 Remove Series Circuitry	\$834,000	\$166,000	\$1,000,000	
5 Pole, Cable and Misc. Equipment Upgrades	\$875,000	\$175,000	\$1,050,000	
6 Uncollectable Pole Knockdown Repair	\$483,000	\$97,000	\$580,000	
Subtotal, Section C	\$2,675,000	\$535,000	\$3,210,000	\$10,590,000
<b>D. Engineering</b>				
1 Street Lighting Engineering	\$1,027,000	\$483,000	\$1,510,000	
Subtotal, Section E	\$1,027,000	\$483,000	\$1,510,000	\$12,100,000
Total	\$8,810,000	\$2,040,000	\$12,100,000	\$12,100,000

March 13, 2015

**Six Year  
Capital Improvement Program**

**Street Lighting**

Sec. Project Description	Labor, Wages and Materials	2020 Fringe Benefits	Total	Cumulative
<b>A. Paving Program</b>				
1 Improvements Related to Paving	\$5,250,000	\$1,050,000	\$6,300,000	
Subtotal, Section A	\$5,250,000	\$1,050,000	\$6,300,000	\$6,300,000
<b>B. Street Lighting Substations</b>				
1 Substation Repair and Enclosure Maint.	\$108,000	\$22,000	\$130,000	
2 Street Lighting Control Circuit Replacement	\$0	\$0	\$1,250,000	
Subtotal, Section B	\$108,000	\$22,000	\$1,380,000	\$7,680,000
<b>C. Neighborhood Lighting Program</b>				
1 Upgrade Street and Alley Lighting	\$167,000	\$33,000	\$200,000	
2 Harp Light LED Conversion	\$0	\$0	\$0	
3 Excavation Repairs	\$342,000	\$68,000	\$410,000	
4 Remove Series Circuitry	\$834,000	\$166,000	\$1,000,000	
5 Pole, Cable and Misc. Equipment Upgrades	\$917,000	\$183,000	\$1,100,000	
6 Uncollectable Pole Knockdown Repair	\$483,000	\$97,000	\$580,000	
Subtotal, Section C	\$2,743,000	\$547,000	\$3,290,000	\$10,970,000
<b>D. Engineering</b>				
1 Street Lighting Engineering	\$1,082,000	\$508,000	\$1,590,000	
Subtotal, Section E	\$1,082,000	\$508,000	\$1,590,000	\$12,560,000
Total	\$9,183,000	\$2,127,000	\$12,560,000	\$12,560,000

March 13, 2015

Six Year  
Capital Improvement Program

Street Lighting

Sec. Project Description	Labor, Wages and Materials	2021 Fringe Benefits	Total	Cumulative
A. Paving Program				
1 Improvements Related to Paving	\$5,500,000	\$1,100,000	\$6,600,000	
Subtotal, Section A	\$5,500,000	\$1,100,000	\$6,600,000	\$6,600,000
B. Street Lighting Substations				
1 Substation Repair and Enclosure Maint.	\$108,000	\$22,000	\$130,000	
2 Street Lighting Control Circuit Replacement	\$0	\$0	\$1,250,000	
Subtotal, Section B	\$108,000	\$22,000	\$1,380,000	\$7,980,000
C. Neighborhood Lighting Program				
1 Upgrade Street and Alley Lighting	\$175,000	\$35,000	\$210,000	
2 Harp Light LED Conversion	\$0	\$0	\$0	
3 Excavation Repairs	\$358,000	\$72,000	\$430,000	
4 Remove Series Circuitry	\$834,000	\$166,000	\$1,000,000	
5 Pole, Cable and Misc. Equipment Upgrades	\$963,000	\$192,000	\$1,155,000	
6 Uncollectable Pole Knockdown Repair	\$483,000	\$97,000	\$580,000	
Subtotal, Section C	\$2,813,000	\$562,000	\$3,375,000	\$11,355,000
D. Engineering				
1 Street Lighting Engineering	\$1,140,000	\$535,000	\$1,675,000	
Subtotal, Section E	\$1,140,000	\$535,000	\$1,675,000	\$13,030,000
Total	\$9,561,000	\$2,219,000	\$13,030,000	\$13,030,000

March 13, 2015

# 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

Department Head Signature: *Gregory Kuhn*

Account No: ST220160000

A) Department Priority \_\_\_\_\_ of \_\_\_\_\_ Useful Life 40 Years Level of Need  Essential  Important  Desired

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

Energy Efficiency Candidate  Yes  No

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 \_\_\_\_\_

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

E) In Six Year Capital Improvement Plan  
 Yes  2014-2019  2015-2020  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. Upgrades and improvements to traffic control signs, signals and pavement marking systems in the City to meet national standards are being implemented over a phase-in period, and are included in this Capital Improvement Request.

# Capital Improvement Request Part II

Requesting Department: DPW Infrastructure Services Account No: ST220160000  
 Project/Program Title: Traffic Control Facilities Program

Year	Tax Levy/Borrowing			Grant & Aid			Revenue			Special Assessment			Enterprise	Total Cost
	2016	2017	2018	2019	2020	2021	2016	2017	2018	2019	2020	2021		
Remaining Balance for 2015														\$0
2016 Budget Request	\$2,925,000													\$2,925,000
2017 Projection	\$2,800,000													\$2,800,000
2018 Projection	\$2,720,000													\$2,720,000
2019 Projection	\$3,105,000													\$3,105,000
2020 Projection	\$3,155,000													\$3,155,000
2021 Projection	\$3,265,000													\$3,265,000
<b>Total Six Year Cost</b>	<b>\$17,970,000</b>			<b>\$0</b>			<b>\$0</b>					<b>\$0</b>		<b>\$17,970,000</b>
<b>Total Project Cost</b>	<b>\$17,970,000</b>			<b>\$0</b>			<b>\$0</b>					<b>\$0</b>		<b>\$17,970,000</b>

Life to Date Expenditures (Project Only)

2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:  
 Thorough Cost Estimate  2016  2017  2018  2019  2020  2021  
 Limited Information  2016  2017  2018  2019  2020  2021  
 Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021  
 Unsupported  2016  2017  2018  2019  2020  2021

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: 01/01/16  
 Estimated Completion Date: 12/31/16

Department Head Signature: *Ghassan Kishor*  
 Prepared By/Phone Ext: \_\_\_\_\_

Six Year  
Capital Improvement Program

Traffic Control

Sec. Project Description	Labor, Wages and Materials	2016 Fringe Benefits	Total	Cumulative
A. Traffic Signs				
1 With Paving	\$37,000	\$8,000	\$45,000	
2 Non-Paving	\$45,000	\$10,000	\$55,000	
4 Regulatory Signing Upgrades	\$49,000	\$11,000	\$60,000	
5 Deteriorated Street Name Sign Replacement	\$123,000	\$27,000	\$150,000	
6 Minimum Retroreflectivity Upgrades	\$123,000	\$27,000	\$150,000	
Subtotal, Section A	\$377,000	\$83,000	\$460,000	\$460,000
B. Traffic Signals				
1 Reconstruction with Paving	\$246,000	\$54,000	\$300,000	
2 Miscellaneous Improvements	\$144,000	\$31,000	\$175,000	
3 New Signals (2)	\$123,000	\$27,000	\$150,000	
4 Emergency Vehicle Pre-emption	\$41,000	\$9,000	\$50,000	
5 Audible Pedestrian Signals	\$82,000	\$18,000	\$100,000	
6 LED Signal Head Replacements	\$616,000	\$134,000	\$750,000	
Subtotal, Section B	\$1,252,000	\$273,000	\$1,525,000	\$1,985,000
C. Other				
1 Uncollectable Sign and Signal.Knockdowns	\$328,000	\$72,000	\$400,000	
2 Bicycle Parking Equipment	\$21,000	\$4,000	\$25,000	
Subtotal, Section C	\$349,000	\$76,000	\$425,000	\$2,410,000
D. Engineering				
1 Engineering	\$236,000	\$114,000	\$350,000	
2 Bicycle Facility Development	\$112,000	\$54,000	\$165,000	
Subtotal, Section D	\$348,000	\$168,000	\$515,000	\$2,925,000
<b>Total</b>	<b>\$2,326,000</b>	<b>\$600,000</b>	<b>\$2,925,000</b>	<b>\$2,925,000</b>

March 11, 2015

Six Year  
Capital Improvement Program

Traffic Control

Sec. Project Description	Labor, Wages and Materials	2017 Fringe Benefits	Total	Cumulative
A. Traffic Signs				
1 With Paving	\$40,200	\$8,800	\$50,000	
2 Non-Paving	\$49,200	\$10,800	\$60,000	
4 Regulatory Signing Upgrades	\$49,300	\$10,700	\$60,000	
5 Deteriorated Street Name Sign Replacement	\$123,200	\$26,800	\$150,000	
6 Minimum Retroreflectivity Upgrades	\$123,200	\$26,800	\$150,000	
Subtotal, Section A	\$385,100	\$83,900	\$470,000	\$470,000
B. Traffic Signals				
1 Reconstruction with Paving	\$254,500	\$65,500	\$310,000	
2 Miscellaneous Improvements	\$147,800	\$32,200	\$180,000	
3 New Signals (2)	\$123,000	\$27,000	\$150,000	
4 Emergency Vehicle Pre-emption	\$41,000	\$9,000	\$50,000	
5 Audible Pedestrian Signals	\$82,000	\$18,000	\$100,000	
6 LED Signal Head Replacements	\$616,000	\$134,000	\$750,000	
Subtotal, Section B	\$1,264,300	\$285,700	\$1,540,000	\$2,010,000
C. Other				
1 Uncollectable Sign and Signal Knockdowns	\$328,000	\$72,000	\$400,000	
2 Bicycle Parking Equipment	\$21,000	\$4,000	\$25,000	
Subtotal, Section C	\$349,000	\$76,000	\$425,000	\$2,435,000
D. Engineering				
1 Engineering	\$247,000	\$118,000	\$365,000	
2 Bicycle Facility Development	\$0	\$0	\$0	
Subtotal, Section D	\$247,000	\$118,000	\$365,000	\$2,800,000
<b>Total</b>	<b>\$2,245,400</b>	<b>\$563,600</b>	<b>\$2,800,000</b>	<b>\$2,800,000</b>

March 11, 2015

Six Year  
Capital Improvement Program

Traffic Control

Sec. Project Description	Labor, Wages and Materials	2018 Fringe Benefits	Total	Cumulative
A. Traffic Signs				
1 With Paving	\$40,200	\$8,800	\$50,000	
2 Non-Paving	\$49,200	\$10,800	\$60,000	
4 Regulatory Signing Upgrades	\$0	\$0	\$0	
5 Deteriorated Street Name Sign Replacement	\$123,200	\$26,800	\$150,000	
6 Minimum Retroreflectivity Upgrades	\$78,000	\$17,000	\$95,000	
Subtotal, Section A	\$290,600	\$63,400	\$355,000	\$355,000
B. Traffic Signals				
1 Reconstruction with Paving	\$264,000	\$56,000	\$320,000	
2 Miscellaneous Improvements	\$156,000	\$34,000	\$190,000	
3 New Signals (2)	\$123,000	\$27,000	\$150,000	
4 Emergency Vehicle Pre-emption	\$41,000	\$9,000	\$50,000	
5 Audible Pedestrian Signals	\$82,000	\$18,000	\$100,000	
6 LED Signal Head Replacements	\$616,000	\$134,000	\$750,000	
Subtotal, Section B	\$1,282,000	\$278,000	\$1,560,000	\$1,915,000
C. Other				
1 Uncollectable Sign and Signal Knockdowns	\$328,000	\$72,000	\$400,000	
2 Bicycle Parking Equipment	\$21,000	\$4,000	\$25,000	
Subtotal, Section C	\$349,000	\$76,000	\$425,000	\$2,340,000
D. Engineering				
1 Engineering	\$256,000	\$124,000	\$380,000	
2 Bicycle Facility Development	\$0	\$0	\$0	
Subtotal, Section D	\$256,000	\$124,000	\$380,000	\$2,720,000
<b>Total</b>	<b>\$2,177,600</b>	<b>\$541,400</b>	<b>\$2,720,000</b>	<b>\$2,720,000</b>

Six Year  
Capital Improvement Program

Traffic Control

Sec. Project Description	Labor, Wages and Materials	2019 Fringe Benefits	Total	Cumulative
A. Traffic Signs				
1 With Paving	\$43,500	\$9,500	\$53,000	
2 Non-Paving	\$50,900	\$11,100	\$62,000	
4 Regulatory Signing Upgrades	\$0	\$0	\$0	
5 Deteriorated Street Name Sign Replacement	\$123,200	\$26,800	\$150,000	
6 Minimum Retroreflectivity Upgrades	\$61,580	\$13,420	\$75,000	
Subtotal, Section A	\$279,180	\$60,820	\$340,000	\$340,000
B. Traffic Signals				
1 Reconstruction with Paving	\$574,700	\$125,300	\$700,000	
2 Miscellaneous Improvements	\$160,000	\$35,000	\$195,000	
3 New Signals (2)	\$123,000	\$27,000	\$150,000	
4 Emergency Vehicle Pre-emption	\$41,000	\$9,000	\$50,000	
5 Audible Pedestrian Signals	\$82,000	\$18,000	\$100,000	
6 LED Signal Head Replacements	\$616,000	\$134,000	\$750,000	
Subtotal, Section B	\$1,596,700	\$348,300	\$1,945,000	\$2,285,000
C. Other				
1 Uncollectable Sign and Signal Knockdowns	\$328,000	\$72,000	\$400,000	
2 Bicycle Parking Equipment	\$21,000	\$4,000	\$25,000	
Subtotal, Section C	\$349,000	\$76,000	\$425,000	\$2,710,000
D. Engineering				
1 Engineering	\$267,000	\$128,000	\$395,000	
2 Bicycle Facility Development	\$0	\$0	\$0	
Subtotal, Section D	\$267,000	\$128,000	\$395,000	\$3,105,000
<b>Total</b>	<b>\$2,491,880</b>	<b>\$613,120</b>	<b>\$3,105,000</b>	<b>\$3,105,000</b>

March 11, 2015

Six Year  
Capital Improvement Program

Traffic Control

Sec. Project Description	Labor, Wages and Materials	2020 Fringe Benefits	Total	Cumulative
<b>A. Traffic Signs</b>				
1 With Paving	\$45,200	\$9,800	\$55,000	
2 Non-Paving	\$53,400	\$11,600	\$65,000	
4 Regulatory Signing Upgrades	\$0	\$0	\$0	
5 Deteriorated Street Name Sign Replacement	\$123,200	\$26,800	\$150,000	
6 Minimum Retroreflectivity Upgrades	\$49,300	\$10,700	\$60,000	
Subtotal, Section A	\$271,100	\$58,900	\$330,000	\$330,000
<b>B. Traffic Signals</b>				
1 Reconstruction with Paving	\$600,000	\$130,000	\$730,000	
2 Miscellaneous Improvements	\$172,400	\$37,600	\$210,000	
3 New Signals (2)	\$123,000	\$27,000	\$150,000	
4 Emergency Vehicle Pre-emption	\$41,000	\$9,000	\$50,000	
5 Audible Pedestrian Signals	\$82,000	\$18,000	\$100,000	
6 LED Signal Head Replacements	\$616,000	\$134,000	\$750,000	
Subtotal, Section B	\$1,634,400	\$355,600	\$1,990,000	\$2,320,000
<b>C. Other</b>				
1 Uncollectable Sign and Signal Knockdowns	\$328,000	\$72,000	\$400,000	
2 Bicycle Parking Equipment	\$21,000	\$4,000	\$25,000	
Subtotal, Section C	\$349,000	\$76,000	\$425,000	\$2,745,000
<b>D. Engineering</b>				
1 Engineering	\$277,000	\$133,000	\$410,000	
2 Bicycle Facility Development	\$0	\$0	\$0	
Subtotal, Section D	\$277,000	\$133,000	\$410,000	\$3,155,000
<b>Total</b>	<b>\$2,531,500</b>	<b>\$623,500</b>	<b>\$3,155,000</b>	<b>\$3,155,000</b>

March 11, 2015

**Six Year  
Capital Improvement Program**

**Traffic Control**

Sec. Project Description	Labor, Wages and Materials	2021 Fringe Benefits	Total	Cumulative
<b>A. Traffic Signs</b>				
1 With Paving	\$49,300	\$10,700	\$60,000	
2 Non-Paving	\$57,500	\$12,500	\$70,000	
4 Regulatory Signing Upgrades	\$0	\$0	\$0	
5 Deteriorated Street Name Sign Replacement	\$123,200	\$26,800	\$150,000	
6 Minimum Retroreflectivity Upgrades	\$82,000	\$18,000	\$100,000	
Subtotal, Section A	\$312,000	\$68,000	\$380,000	\$380,000
<b>B. Traffic Signals</b>				
1 Reconstruction with Paving	\$625,000	\$135,000	\$760,000	
2 Miscellaneous Improvements	\$180,000	\$40,000	\$220,000	
3 New Signals (2)	\$123,000	\$27,000	\$150,000	
4 Emergency Vehicle Pre-emption	\$41,000	\$9,000	\$50,000	
5 Audible Pedestrian Signals	\$82,000	\$18,000	\$100,000	
6 LED Signal Head Replacements	\$616,000	\$134,000	\$750,000	
Subtotal, Section B	\$1,667,000	\$363,000	\$2,030,000	\$2,410,000
<b>C. Other</b>				
1 Uncollectable Sign and Signal Knockdowns	\$328,000	\$72,000	\$400,000	
2 Bicycle Parking Equipment	\$21,000	\$4,000	\$25,000	
Subtotal, Section C	\$349,000	\$76,000	\$425,000	\$2,835,000
<b>D. Engineering</b>				
1 Engineering	\$290,000	\$140,000	\$430,000	
2 Bicycle Facility Development	\$0	\$0	\$0	
Subtotal, Section D	\$290,000	\$140,000	\$430,000	\$3,265,000
<b>Total</b>	<b>\$2,618,000</b>	<b>\$647,000</b>	<b>\$3,265,000</b>	<b>\$3,265,000</b>

March 11, 2015

# Capital Improvement Request Form Part I

Project/Program Title: Underground Conduit Installation Program Requesting Department: DPW / Infrastructure Services  
 Prepared By/Phone Ext: Robert W. Bryson Department Head Signature: *Ghassan Kaban*  
 Account No: ST280160000

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 Energy Efficiency Candidate  Yes  No

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 \_\_\_\_\_

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

E) In Six Year Capital Improvement Plan  
 Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification  
 The underground conduit system supports City Communications, Traffic and Street Lighting facilities and operation. The program supports the replacement of underground conduit in conjunction with both City and Federal Aid Paving Programs that is currently breaking down and needs to be replaced, will be impacted by the paving project, or will add or expand conduit availability. Additionally, the program will provide new conduit facilities to support new communications capabilities.

G) Additional Comments

## Capital Improvement Request Part II

Requesting Department: DPW / Infrastructure Services Account No: ST280160000  
 Project/Program Title: Underground Conduit Installation Program

Year	Tax Levy/Borrowing			Grant & Aid			Revenue			Special Assessment			Enterprise	Total Cost
	2016	2017	2018	2019	2020	2021	2016	2017	2018	2019	2020	2021		
Remaining Balance for 2015														\$0
2016 Budget Request	\$3,360,000													\$3,360,000
2017 Projection	\$3,360,000													\$3,360,000
2018 Projection	\$3,360,000													\$3,360,000
2019 Projection	\$3,360,000													\$3,360,000
2020 Projection	\$3,360,000													\$3,360,000
2021 Projection	\$3,360,000													\$3,360,000
<b>Total Six Year Cost</b>	\$20,160,000			\$0			\$0					\$0		\$20,160,000
<b>Total Project Cost</b>	\$20,160,000			\$0			\$0					\$0		\$20,160,000

**Life to Date Expenditures (Project Only)**

2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0

**Available Cost Estimate:**

Thorough Cost Estimate	<input type="checkbox"/>	2016	<input type="checkbox"/>	2017	<input type="checkbox"/>	2018	<input type="checkbox"/>	2019	<input type="checkbox"/>	2020	<input type="checkbox"/>	2021	<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"/>		<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"/>		<input type="checkbox"/>
Unsupported	<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: 01/01/16

Estimated Completion Date: 12/31/16

Department Head Signature *Chessa Kuhn*

Prepared By/Phone Ext

**Underground Conduit Capital Improvement Program  
Estimated Costs**

2015

	Engineering	Construction	Total
2016	\$360,000.00	\$3,000,000.00	\$3,360,000.00
2017	\$360,000.00	\$3,000,000.00	\$3,360,000.00
2018	\$360,000.00	\$3,000,000.00	\$3,360,000.00
2019	\$360,000.00	\$3,000,000.00	\$3,360,000.00
2020	\$360,000.00	\$3,000,000.00	\$3,360,000.00
2021	<u>\$360,000.00</u>	<u>\$3,000,000.00</u>	<u>\$3,360,000.00</u>
Total Costs	\$2,160,000.00	\$18,000,000.00	\$20,160,000.00

Note: Estimates for Costs of Conduit Installation under Federal Aid Paving is Non-Participating Estimates based on Major Street Paving Program. See attached cost summary.

## Conduit Installation Costs

Location	LF	MH	Estimated Cost	Connecting HWY
<u>2016 Requests (in order of priority)</u>				
1) 2216-01-00 - W. Mill Rd. - N. Sidney Pl. to N. 43rd St. (Portions in the City of Glendale) New four duct conduit package from Engine 9 to Teutonia.	5380	10	\$389,700.00	
2) 1360-00-05 - Fond du Lac Ave - W Capitol Dr to N 68th Congested path - request additional from 60th to 68th	3900	13	\$25,000.00	Yes
3) 2505-00-05 - S. 13th St. - W. Windlake Av. to W. Forest Home Av. Additional four ducts. Relieves congestion.	2700	5	\$195,500.00	
4) 2984-06-01 - W. Lloyd St. - W. Lisbon Ave. to N. 60th St. - Increase capacity from 2 to 4 ducts, matching capacity across US-41 bridge.	5550	10	\$400,750.00	
5) 2984-32-01 - W. Villard Av. (2300 West) - Structure Over the Lincoln Creek (Approaches) Replace existing conduit - Conduit on bridge included in Structures Budget	200		\$13,000.00	
6) 2984-07-05 - North 51 <sup>st</sup> Street Bridge over Lincoln Creek (Approaches) Replace existing conduit - Conduit on bridge included in Structures Budget	200		\$13,000.00	
7) 2190-00-00 - W. Wisconsin Av. - N. 20th St. to N. 35th St. (except N. 26th St. to N. 28th St.) Additional capacity required.	4580	8	\$329,700.00	
8) 2585-00-00 - N. 92nd St. - W. Capitol Dr. to W. Hampton Av. (Portions in the City of Wauwatosa) New conduit - four ducts. Alternate route.	5570	10	\$402,050.00	
9) 2200-13-00 - West Highland Avenue - 27 <sup>th</sup> to 12 <sup>th</sup> New conduit from 12th St to 27th St. Service lateral for street light enclosure T-12-C Future service to HACM - Highland Gardens.	5500	10	\$25,000.00	Yes
10) 2984-00-03 - West Vliet Street - 27 <sup>th</sup> to 12 <sup>th</sup> Future service to HACM-Highland Gardens, HACM-Cherry Court and Meda-Care Ambulance.	5500	10	\$397,500.00	
11) 2265-00-04 - North 27 <sup>th</sup> Street - Highland to Lisbon. New 2x3 4" PVC from existing stub north of State to Lisbon	3500	6	\$251,500.00	
12) 2080-00-03 - North Teutonia Avenue - Garfield to Groeling - New conduit from Garfield to Locust. Alternate route.	4500	8	\$324,500.00	
13) 2595-00-01 - North 60 <sup>th</sup> Street - Florist to Mill Replace existing fiber duct with PVC conduit.	2700	5	\$195,500.00	
<b>2016 Total</b>			<b>\$2,962,700.00</b>	

2017 Requests (in order of priority)

- 1) 1228-22-71 – I43 – North Ave to Bender Road – Replace conduit across bridges, if impacted.
- 2) 1060-28-70 – Marquette Interchange Bridges I794, 194, I43 - ??? Retain conduit, if impacted.
- 3) 2140-13-00 - N. 76th St. - W. Grantosa Dr. to W. Florist Av. – Retain/replace conduit across Silver Spring Bridge.
- 4) 2200-14-00 - Wells St - N 6th to Prospect Ave - Improved lateral to 809 N Broadway, conduit lateral to M&I building (MPD Radio Site), Conduit from Milwaukee to Prospect for alternate route
- 5) 2195-03-00 - Wells St - Milwaukee River Bridge – Restore ducts to bridge house. Replace any impacted ducts in kind.
- 6) 2230-00-04 – West Greenfield Avenue – 35<sup>th</sup> to Cesar Chavez – 2x3 4" PVC for length of project.
- 7) 2415-00-00 South 60<sup>th</sup> Street – Cold Spring to Morgan - New 3x1 4" PVC Honey Creek to Cold Spring.
- 8) 2060-10-00 – South Howell Avenue – Grange to Layton – Retain lateral to street light enclosure T-32-S.  
Remove "y" connection to traffic count station south of Layton and replace with dedicated duct from nearest manhole.
- 9) 2050-00-06 - S. Chase Av. - E. Ohio Av. to W. Lincoln Av. (Excluding Structures) – New conduit – four ducts. at Rosedale.  
Provides alternate route. – Lateral to Street Light Enclosure T-35-S
- 10) 2984-06-06 – Brown Street Bridge over CPRR - New 4 ducts over bridge to project limits.

# Capital Improvement Request Form Part I

Project/Program Title: Communication and Electrical Manhole Repair and Construction Requesting Department: DPW / Infrastructure  
 Prepared By/Phone Ext: Robert W. Bryson Department Head Signature: \_\_\_\_\_  
 Account No: \_\_\_\_\_

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 Energy Efficiency Candidate  Yes  No

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 \_\_\_\_\_

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

E) In Six Year Capital Improvement Plan  
 Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

The maintenance of communications & electrical manholes located in the 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. The manholes are in need of a seasonal repair program. Also the age and type of material of the manholes are factors of damages. The older brick manholes built at the turn of the century along with many of the block constructed manholes built in the 1950's and 60's are in need of immediate repair and reconstruction. Presently there are 7,559 active manholes in the system.

G) Additional Comments

Currently, based on 2013 and 2014 inspections, 202 Manholes need to be replaced or have major repairs, 79 manholes require deck roof replacement, and 585 manholes require chimney or korb repair. An additional 1540 manholes will be inspected in 2015.

# Capital Improvement Request Part II

Requesting Department: DPW / Infrastructure Services Account No: ST285160000  
 Project/Program Title: Communications and Electrical Manhole Reconstruction Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request	\$1,225,000					\$1,225,000
2017 Projection	\$1,300,000					\$1,300,000
2018 Projection	\$1,360,000					\$1,360,000
2019 Projection	\$1,430,000					\$1,430,000
2020 Projection	\$1,500,000					\$1,500,000
2021 Projection	\$1,580,000					\$1,580,000
Total Six Year Cost	\$8,395,000	\$0	\$0	\$0	\$0	\$8,395,000
Total Project Cost	\$8,395,000	\$0	\$0	\$0	\$0	\$8,395,000

**Life to Date Expenditures (Project Only)**

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

	2016	2017	2018	2019	2020	2021
Thorough Cost Estimate	<input type="checkbox"/>					
Limited Information	<input checked="" type="checkbox"/>					
Based on Cost of Similar Projects	<input type="checkbox"/>					
Unsupported	<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: 01/01/16  
 Estimated Completion Date: 12/31/16

Department Head Signature \_\_\_\_\_  
 Prepared By/Phone Ext \_\_\_\_\_

**Manhole Capital Improvement Program  
Estimated Costs**

**2016**

	Total
Engineering	\$125,000.00
Manhole Inspection	\$200,000.00
Construction/Repair	<u>\$900,000.00</u>
Total Costs	\$1,225,000.00

**Notes:**

- 1.) Assumes All Construction/Repair Work Done by one City Crew
- 2.) Does not reflect 2014, 2015 or 2016 Inspection Findings

2017	\$1,300,000.00
2018	\$1,360,000.00
2019	\$1,430,000.00
2020	\$1,500,000.00
2021	\$1,580,000.00
6 Year Total	\$8,395,000.00

Requested  
2016 CAPITAL BUDGET  
DPW-ISD-B&B

March 9, 2015

Capital Program Description				Budget
<b>1. Environmental Program</b>				<b>\$150,000</b>
A.	Asbestos/Lead Abatement-Hazardous Waste		\$50,000	
B.	Underground Storage Tank and Landfill Remediation		\$50,000	
C.	Leak Detection System Upgrades		\$50,000	
D.	Fuel Dispenser Replacements		\$0	
<b>2. ADA Compliance Program</b>				<b>\$450,000</b>
A.	20th and Olive		\$100,000	
B.	30th and Cawker		\$100,000	
C.	DOJ recommendations		\$200,000	
D.	Rec. Fac. Unprogrammed		\$50,000	
<b>3. Facilities Exterior Program</b>				<b>\$1,700,000</b>
A.	Building Envelope		\$500,000	
B.	RA Anderson Tank (Construction Repairs)		\$0	
C.	Roof Replacements		\$800,000	
D.	Safety Academy Stained Glass Facade		\$0	
E.	Pavement Repairs		\$200,000	
F.	Overhead Door Replacement		\$0	
G.	Various Sites-Emergency Repairs		\$200,000	
<b>6. Facilities Systems Program</b>				<b>\$1,580,000</b>
A.	Block Heaters		\$200,000	
B.	Central Repair Garage - Trench Drain		\$50,000	
C.	Nursery Greenhouse - Thermal Curtain		\$40,000	
D.	Transfer Stations - Sprinkler systems		\$200,000	
E.	Nursery Greenhouse - New Lexan Polycarbonate Panels		\$100,000	
F.	City Hall - Electrical Distribution and Code Compliance		\$0	
G.	Kilbourn Tunnel Sump upgrades		\$60,000	
H.	ZMB - Chilled water coils for AHU-67		\$80,000	
I.	Fire Life Safety		\$150,000	
J.	Building Automation Systems (BAS)		\$150,000	
K.	Various Sites - CCTV and Access Control Upgrades		\$150,000	
L.	Various Sites - Emergency Mechanical Repairs		\$200,000	
M.	Various Sites - Emergency Electrical Repairs		\$200,000	
<b>7. Space Planning Alterations and Engineering</b>				<b>\$400,000</b>
A.	Space Planning		\$200,000	
B.	General Office Remodeling		\$50,000	
C.	General Engineering and Facilities Inspection		\$150,000	
<b>Capital Program Sub-Total</b>				<b>\$4,280,000</b>
<b>Special Project Description</b>				
SP-1	City Hall Foundation		\$20,000,000	\$20,000,000
SP-2	North Point Lake Tower		\$400,000	\$400,000
SP-3	Harung		\$200,000	\$200,000
SP-4	MacArthur Square		\$150,000	\$150,000
<b>Special Projects Sub-Total</b>				<b>\$20,750,000</b>
<b>Facilities Development &amp; Management TOTAL</b>				<b>\$25,030,000</b>

	2016	2017	2018	2019	2020	2021	Total
2nd Plankinton Repairs		\$ 600,000				\$ 38,000	\$ 638,000
4th Highland Repairs	\$ 550,000		\$ 350,000				\$ 900,000
MacArthur Sq Repairs	\$ 30,000	\$ 1,000,000	\$ 750,000	\$ 1,250,000	\$ 950,000	\$ 974,000	\$ 4,954,000
1000 Water Repairs	\$ 150,000				\$ 88,000	\$ 855,000	\$ 1,093,000
Milwaukee Mich Repairs	\$ 550,000	\$ 300,000		\$ 300,000	\$ 600,000	\$ 600,000	\$ 1,750,000
Parking Facility Maintenance	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,200,000
Surface & Tow Lot Repaving	\$ 55,000		\$ 25,000		\$ 25,000		\$ 105,000
Multi-space Meters				\$ 1,100,000	\$ 900,000	\$ 600,000	\$ 2,000,000
Single-Space Meter Mechs	\$ 650,000						\$ 650,000
Revenue Control & Access Equip	\$ 50,000	\$ 1,500,000					\$ 1,550,000
	\$ 2,235,000	\$ 3,600,000	\$ 1,325,000	\$ 2,850,000	\$ 2,763,000	\$ 3,267,000	\$ 14,840,000

Only Mechanical    Only Structural    Both Mech/Struc    Non-garages

# Capital Improvement Request Form Part I

Project/Program Title: Purchase single-space meter parts Requesting Department: DPW- PARKING FUND

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

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

2016 Initially funding was to be used for credit-card single-space meters and sensors that are currently being evaluated through a pilot project. Funding will provide either for new credit card accepting meter mechanisms or replacement standard mechanisms and some housings. Existing single space meters were last replaced in 1997 and they typically have a 15 year life span.

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND

Project/Program Title: Purchase single-space meter parts

Account No: \_\_\_\_\_

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$650,000	\$650,000
2017 Projection						\$0
2018 Projection						\$0
2019 Projection						\$0
2020 Projection						\$0
2021 Projection						\$0
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$650,000	\$650,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$650,000	\$650,000

Life to Date Expenditures (Project Only)

2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- 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: 03/01/17

Estimated Completion Date: 12/31/17

Department Head Signature



Prepared By/Phone Ext

C. Angelos X2404

## CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 2/13/2015
Project/Program: Purchase single-space meter parts	
Prepared By: C Angelos	Current Request: \$650,000
Dept Head: Ghassan Korban	6 Yr Total: \$650,000

**General Project/Program Description:**  
 2016 - Hire consultant to write specifications for an RFP to replace all revenue control and ingress/egress equipment at four public revenue-generating parking garages.  
 2017- Replace all revenue control and ingress/egress equipment at MacArthur Square, 4th/Highland, 2nd/Plankinton and 1000 Water parking garages.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
	x			Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
		x		Does the project promote long-term regulatory compliance?
		x		Will there be a serious negative impact on the City if compliance is not achieved?
		x		Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
				What return on investment will this project generate?
				What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
x				Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
		xx		Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Replace Parking Structure Revenue Control & Access Equipment

2016 - Funding will provide either for new credit card accepting meter mechanisms or replacement of standard mechanisms and some housings. Existing single space meters were last replaced in 1997 and they typically have a 15 year life span.

Yes	No	N/A	Amount	
				<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>
		x		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		x		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		x		Does the project increase or enhance recreational opportunities and/or green space?
		x		Will the project mitigate blight?
		x		Does the project target the quality of life of all citizens?
		x		Does the project preserve or improve the historical or natural heritage of the City?
		x		Is the project consistent with established community character?
		x		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		x		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
				<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>
		x		How does the request affect the replacement cycle? Provide specifics below.
				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
x				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
x				Does the project incorporate new technology that will provide enhanced service?
x				Does the project extend service for new development or redevelopment?
		x		Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
				<b>Economic / Community Development</b>
x				Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
	x			Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
x				Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
				<b>Special Considerations</b>
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	x			Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: Replace Parking Structure Rev Control & Access Equipment Requesting Department: DPW- PARKING FUND

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

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

2016 - Hire consultant to write specifications for an RFP to replace all revenue control and ingress/egress equipment at four public revenue-generating parking garages.

2017- Replace all revenue control and ingress/egress equipment at MacArthur Square, 4th/Highland, 2nd/Plankinton and 1000 Water parking garages. They currently generate more than \$6.5 million in annual revenue. In 2004, these facilities were converted from cashiered to cashierless access enabling the city to operate these garages 24 hours per day, 7 days per week. The estimated useful life of this equipment (all entrance and exit gates, paystations, fee computers, bar code readers, software, etc.) is typically about 9 -11 years. New equipment should require lower maintenance fees and replacement part costs but should also guarantee that ever-changing credit card security standards can be maintained by the equipment, such as chip credit cards.

G) Additional Comments

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND

Project/Program Title: Replace Parking Structure Revenue Control & Access Equip

Account No: \_\_\_\_\_

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$50,000	\$50,000
2017 Projection					\$1,500,000	\$1,500,000
2018 Projection						\$0
2019 Projection						\$0
2020 Projection						\$0
2021 Projection						\$0
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$1,550,000	\$1,550,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$1,550,000	\$1,550,000

Life to Date Expenditures (Project Only)

	2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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: 01/15/16

Estimated Completion Date: 12/31/17

Department Head Signature



Prepared By/Phone Ext

C Angeles x2404

# CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 2/13/2015
Project/Program: Replace Parking Structure Revenue Control & Access Equipt	
Prepared By: C Angelos	Current Request: \$50,000
Dept Head: Ghassan Korban	6 Yr Total: \$1,550,000

**General Project/Program Description:**  
 2016 - Hire consultant to write specifications for an RFP to replace all revenue control and ingress/egress equipment at four public revenue-generating parking garages.  
 2017- Replace all revenue control and ingress/egress equipment at MacArthur Square, 4th/Highland, 2nd/Plankinton and 1000 Water parking garages.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
	x			Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
		x		Does the project promote long-term regulatory compliance?
		x		Will there be a serious negative impact on the City if compliance is not achieved?
		x		Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
				What return on investment will this project generate?
				What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
x				Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
		xx		Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

**Project/Program:** Replace Parking Structure Revenue Control & Access Equipment

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
				<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>
		x		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		x		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		x		Does the project increase or enhance recreational opportunities and/or green space?
		x		Will the project mitigate blight?
		x		Does the project target the quality of life of all citizens?
		x		Does the project preserve or improve the historical or natural heritage of the City?
		x		Is the project consistent with established community character?
		x		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		x		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<b>Comments / Other Considerations:</b>				
Yes	No	N/A	Amount	
				<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>
		x		How does the request affect the replacement cycle? Provide specifics below.
		x		Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
x				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
x				Does the project incorporate new technology that will provide enhanced service?
x				Does the project extend service for new development or redevelopment?
		x		Will this project improve the functionality or service life of other related infrastructure?
<b>Comments / Other Considerations:</b>				
Yes	No	N/A	Amount	
				<b>Economic / Community Development</b>
x				Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
	x			Will the project produce desirable jobs in the City?
	x			Will the project rejuvenate an area that needs assistance?
x				Will the project promote the equitable distribution of the costs and benefits of development?
<b>Comments / Other Considerations:</b>				
Yes	No	N/A	Amount	
				<b>Special Considerations</b>
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	x			Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<b>Comments / Other Considerations:</b>				

# Capital Improvement Request Form Part I

Project/Program Title: Partial Replacment of Multi-space Meters Requesting Department: DPW- PARKING FUND

Prepared By/Phone Ext: C Angelos Department Head Signature: GHASSAN KORBAN

Account No: \_\_\_\_\_

*Ghassan Korban*

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 Energy Efficiency Candidate  Yes  No

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 3-4 years

D) Total Positions \_\_\_\_\_ Total FTEs \_\_\_\_\_

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

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

2019 -2021 Replace up to 220 multi-space meters, 103 of which were originally purchased in 2007, 75 more which were purchased in 2008, and another 40 were purchased in 2009. The useful life of these meters is approximately 10 - 12 years. Some of the housings have begun to rust due to snow salt that accumulates at the base of the meters during snow operations. By 2019, the rusting will have advanced. In addition, newer models require less power and provide for greater daytime visibility. Additional software advances on the new models also result in quicker communication processing to speed the real-time data transfer. Revenue generated by the multi-space meters in 2014 exceeded \$3 million. One variable that may reduce the number of multi-space meters needed to be purchased will be the public's adaptability and use of pay-by-phone technology being introduced in Spring 2015. This will continue to be evaluated prior to the 2019 budget request submission. If warranted, fewer multi-space meters may be requested.

G) Additional Comments

## Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND

Project/Program Title: Partial Replacement of Multi-space Parking Meters

Account No: \_\_\_\_\_

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request						\$0
2017 Projection						\$0
2018 Projection						\$0
2019 Projection					\$1,100,000	\$1,100,000
2020 Projection					\$900,000	\$900,000
2021 Projection					\$600,000	\$600,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$2,600,000	\$2,600,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$2,600,000	\$2,600,000

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2016	2017	2018	2019	2020	2021
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source?  Yes  No  Uncertain

Are cost estimates based on industry standards?  Yes  No  Uncertain

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

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

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

Estimated Start Date: 04/01/19

Estimated Completion Date: 11/30/21

Department Head Signature



Prepared By/Phone Ext

C. Angeles x2404

# CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 2/13/2015
Project/Program: Partial Replacement of Multi-space Parking Meters	
Prepared By: C Angelos	Current Request: \$0
Dept Head: Ghassan Korban	6 Yr Total: \$2,600,000

**General Project/Program Description:**

2019 -2021 Replace up to 220 multi-space meters, 103 of which were originally purchased in 2007, 75 more which were purchased in 2008, and another 40 were purchased in 2009. Useful life of these meters is approximately 10 - 12 years. Some of the housings have begun to rust due to snow salt that accumulates at the base of the meters during snow operations. By 2019, the rusting will have advanced. In addition, newer models require less power and provide for greater daytime visibility.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
		x		Does the project directly reduce risks to people or property?
		x		Does the project directly promote improved health or safety?
		x		Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
		x		Will there be a serious negative impact on the City if compliance is not achieved?
		x		Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
x				Is there a revenue generating opportunity? (e.g. user fees)
x				Will the project result in a reduction in energy use?
x				Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Partial Replacement of Mutlti-space Parking Meters

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
				<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>
		x		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		x		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		x		Does the project increase or enhance recreational opportunities and/or green space?
		x		Will the project mitigate blight?
x				Does the project target the quality of life of all citizens?
		x		Does the project preserve or improve the historical or natural heritage of the City?
x				Is the project consistent with established community character?
x				Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		x		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
				<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>
				How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
x				Do maintenance costs exceed replacement costs?
x				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
x				Does the project incorporate new technology that will provide enhanced service?
x				Does the project extend service for new development or redevelopment?
	x			Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
				<b>Economic / Community Development</b>
		x		Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
	x			Will the project produce desirable jobs in the City?
		x		Will the project rejuvenate an area that needs assistance?
		x		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
				<b>Special Considerations</b>
x				Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	x			Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
x				Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				
The project is paid for by tax-levy-exempt Parking Fund.				

# Capital Improvement Request Form Part I

Project/Program Title: 1000 Water Parking Structure Repairs Requesting Department: DPW- PARKING FUND

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

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

2016 - Replace 8 security cameras that provide for security of people and revenue equipment at the exit gates and paystations. Equipment has not been replaced since mid-1990s and is necessary to maintain a secure facility.

2020 - Upgrade carbon monoxide detection system. Current system is original to building construction in 1990. The newer systems are more energy efficient and provide safer carbon monoxide levels for the parkers.

2021 - Replace leaking expansion joints, apply water repellent sealer on all elevated slabs, mark pavement on all levels with stall design. Failure to replace leaking expansion joints will result in slab deterioration with more costly repairs and increased vehicle damage claims. Failure to apply a water repellent sealer will result in slab deterioration and leaks, thus incurring more costly repairs and increased vehicle damage claims. Pavement markings are required to provide efficient spacing for parked vehicles.

G) Additional Comments

2021 - Modernize electrical system within the garage through replacement of branch circuits, electrical panels, and exhaust fans. Exhaust from vehicles in the parking structure, if not vented properly, can seep into the office tower. Replacement of fans with more energy-efficient ones will reduce energy costs and provide a safer environment.

## Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND

Project/Program Title: 1000 Water Parking Garage Repairs

Account No: \_\_\_\_\_

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$150,000	\$150,000
2017 Projection						\$0
2018 Projection						\$0
2019 Projection						\$0
2020 Projection					\$88,000	\$88,000
2021 Projection					\$855,000	\$855,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$1,093,000	\$1,093,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$1,093,000	\$1,093,000

Life to Date Expenditures (Project Only)

2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

Thorough Cost Estimate	2016	2017	2018	2019	2020	2021
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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: 03/01/16

Estimated Completion Date: 11/30/21

Department Head Signature



Prepared By/Phone Ext

C Angeles X2404

# CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 2/13/2015
Project/Program: 1000 Water Parking Structure Repairs	
Prepared By: C Angelos	Current Request: \$150,000
Dept Head: Ghassan Korban	6 Yr Total: \$1,093,000

**General Project/Program Description:**  
 2016 - Replace 8 security cameras that provide for security of people and revenue equipment at the exit gates and paystations. 2020 - Upgrade carbon monoxide detection system. Current system is original to building construction in 1990. 2021 - Replace leaking expansion joints, apply water repellent sealer on all elevated slabs, mark pavement on all levels with stall design.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
x				Will there be a serious negative impact on the City if compliance is not achieved?
		x		Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
				What return on investment will this project generate?
				What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
	x			Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
x				Is there a revenue generating opportunity? (e.g. user fees)
		x		Will the project result in a reduction in energy use?
		x		Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: 1000 Water Parking Structure Repairs

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
		x		<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>
				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
	x			Will the project mitigate blight?
	x			Does the project target the quality of life of all citizens?
	x			Does the project preserve or improve the historical or natural heritage of the City?
x				Is the project consistent with established community character?
x				Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		x		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>				
				How does the request affect the replacement cycle? Provide specifics below.
	x			Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
x				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
x				Does the project incorporate new technology that will provide enhanced service?
x				Does the project extend service for new development or redevelopment?
x				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
<b>Economic / Community Development</b>				
x				Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
		x		Will the project produce desirable jobs in the City?
		x		Will the project rejuvenate an area that needs assistance?
		x		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
<b>Special Considerations</b>				
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	x			Are there critical timing issues associated with this project?
	x			Are there inter-jurisdictional considerations?
x				Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: Milwaukee Michigan Parking Structure Rprs Requesting Department: DPW- PARKING FUND

Prepared By/Phone Ext: C Angelos x2404 Department Head Signature: Gabeon Kuhn

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 Energy Efficiency Candidate  Yes  No

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 \_\_\_\_\_ Total FTEs \_\_\_\_\_

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

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

The City of Milwaukee is contractually obligated to Johnson Controls to undertake capital improvements in the structure.

2016 - Replace waterproof membrane on levels 1 - 4; paint pavement markings and apply sealer to ramps. The previous membrane a on these levels was applied in 2005.

2017 - Replace electrical branch circuits and panels. These have not been replaced for more than 30 years.

2019 - Repair and replace slab on grade, if necessary upon further inspection in 2018. Johnson Controls has been filling cracks as they occur, so the slab replacement may not be necessary in 2019. Funds in 2019 are a placemaker if greater deterioration occurs.

2020 - 2021 - If warranted, upon further inspection in 2019, paint steel members within the structure. The total cost over a 3-year period is estimated at \$1.8 million dollars, of which the last \$600,000 will be requested in 2022. However, Johnson Controls has been maintaining the facility so well that the painting may be able to be extended a few more years. Further inspection will determine this.

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND

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 2015						\$0
2016 Budget Request					\$550,000	\$550,000
2017 Projection					\$300,000	\$300,000
2018 Projection					\$0	\$0
2019 Projection					\$300,000	\$300,000
2020 Projection					\$600,000	\$600,000
2021 Projection					\$600,000	\$600,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$2,350,000	\$2,350,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$2,350,000	\$2,350,000

Life to Date Expenditures (Project Only)

2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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

How will this project impact city operating expenditures?

- Increase  Decrease  None

Estimated Start Date: 04/01/16

Estimated Completion Date: 12/31/21

Department Head Signature



Prepared By/Phone Ext

C. Angelos x2404

# CIC - Capital Improvement Request Part III

Department:	DPW - Parking Fund	Date Submitted:	2/13/2015
Project/Program:	Milwaukee Michigan Parking Structure Repairs	Current Request:	\$550,000
Prepared By:	C Angelos	6 Yr Total:	\$2,350,000
Dept Head:	Ghassan Korban		

**General Project/Program Description:**

The City of Milwaukee is contractually obligated to Johnson Controls to undertake capital improvements in the structure. 2016 - Replace waterproof membrane on levels 1 - 4; paint pavement markings and apply sealer to ramps. 2017 - Replace electrical branch circuits and panels. 2019 - Repair and replace slab on grade, if necessary upon further inspection in 2018. 2020 - 2021 - If warranted upon further inspection in 2019, paint steel members within the structure.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
		x		Does the project directly promote improved health or safety?
		x		Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
x				Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
				What return on investment will this project generate?
				What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
	x			Will the project lead to a reduction in operating costs?
	x			Will the project lead to increased productivity or service improvements?
x				Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
x				Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Milwaukee Michigan Parking Structure Repairs

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>				
	x			Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	x			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	x			Does the project increase or enhance recreational opportunities and/or green space?
	x			Will the project mitigate blight?
	x			Does the project target the quality of life of all citizens?
	x			Does the project preserve or improve the historical or natural heritage of the City?
	x			Is the project consistent with established community character?
x				Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
	x			Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>				
	x			How does the request affect the replacement cycle? Provide specifics below.
	x			Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
x				Do maintenance costs exceed replacement costs?
		x		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
x				Does the project incorporate new technology that will provide enhanced service?
		x		Does the project extend service for new development or redevelopment?
x				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
<b>Economic / Community Development</b>				
		x		Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
	x			Would an alternate location for this project provide a greater positive economic impact?
	x			Will the project produce desirable jobs in the City?
		x		Will the project rejuvenate an area that needs assistance?
		x		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
<b>Special Considerations</b>				
x				Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
		x		Are there critical timing issues associated with this project?
		x		Are there inter-jurisdictional considerations?
				Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: MacArthur Square Parking Repairs Requesting Department: DPW- PARKING FUND

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

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

2016 - 2017 Undertake core samples and make east side of basement slab on grade repairs as well as elevated slabs, on 9th Street level (last completed in 1991). Make surface concrete repairs on basement level. Repaint basement. 2018

2019-Make concrete repairs that become visible when State DOT undertakes Kilbourn tunnel repairs. Also, make concrete repairs to the Museum's Pioneer Village. Failure to do so may cause claims for damage to museum's collections. 2019-2020 - Phase in

modernization of electrical system that has not been upgraded since garage was constructed in the 1960's. Power outages have been increasing. Modernization will greatly reduce the incidence of outages that affect revenue control equipment. Will also allow for expansion of service through installation of electric vehicle charging stations.

2021 - Upgrade carbon monoxide ventilation system to reduce energy costs from ventilation fans. Replace some garage exhaust fans as some current ones will have exceeded their useful life.

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND Account No: \_\_\_\_\_  
 Project/Program Title: MacArthur Square Parking Structure Repairs

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$30,000	\$30,000
2017 Projection					\$1,000,000	\$1,000,000
2018 Projection					\$750,000	\$750,000
2019 Projection					\$1,250,000	\$1,250,000
2020 Projection					\$950,000	\$950,000
2021 Projection					\$974,000	\$974,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$4,954,000	\$4,954,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$4,954,000	\$4,954,000

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

Available Cost Estimate:

Thorough Cost Estimate	2016	2017	2018	2019	2020	2021
Limited Information	<input type="checkbox"/>					
Based-on Cost of Similar Projects	<input checked="" type="checkbox"/>					
Unsupported	<input type="checkbox"/>					

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

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

Estimated Start Date: 04/01/16  
 Estimated Completion Date: 10/31/21

Department Head Signature: *Sharon Kuhn*  
 Prepared By/Phone Ext: C Angelos X2404

# CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 2/13/2015
Project/Program: MacArthur Square Parking Structure Repairs	
Prepared By: C Angelos	Current Request: \$30,000
Dept Head: Ghassan Korban	6 Yr Total: \$4,954,000

**General Project/Program Description:**  
 2016 - 2017 Undertake core samples and make east side of basement slab on grade repairs as well as elevated slabs on 9th Street level. Make surface concrete repairs on basement level. Repaint basement. 2018- 2019-Make concrete repairs that become visible when State DOT undertakes Kilbourn tunnel repairs. Also, make concrete repairs to the Museum's Pioneer Village.  
 2019-2020 - Phase in modernization of electrical system that has not been upgraded since garage was constructed in the 1960's. 2021 -

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
				What return on investment will this project generate?
				What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
x				Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: **MacArthur Square Parking Structure Repairs**

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
	X			Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable <b>Comprehensive Plan, special study, survey, committee or board?</b>
	X			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	X			Does the project increase or enhance recreational opportunities and/or green space?
	X			Will the project mitigate blight?
	X			Does the project target the quality of life of all citizens?
	X			Does the project preserve or improve the historical or natural heritage of the City?
	X			Is the project consistent with established community character?
X				Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
	X			Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
				How does the request affect the replacement cycle? Provide specifics below.
	X			Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
	X			Do maintenance costs exceed replacement costs?
X				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
		X		Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
		X		Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
	X			Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
X				Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

# Capital Improvement Request Form Part I

Project/Program Title: Parking Facility Repair and Maintenance Requesting Department: DPW- PARKING FUND

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

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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

2016-2021 Funding for general facility maintenance is used to provide necessary repairs for structural, mechanical and/or electrical deficiencies of a non-emergency nature that when left uncorrected lead to structural, mechanical or electrical deterioration. By grouping smaller, planned repair and renovation projects in 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 FUND

Project/Program Title: Parking Facility Repair and Maintenance

Account No: \_\_\_\_\_

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$200,000	\$200,000
2017 Projection					\$200,000	\$200,000
2018 Projection					\$200,000	\$200,000
2019 Projection					\$200,000	\$200,000
2020 Projection					\$200,000	\$200,000
2021 Projection					\$200,000	\$200,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000

Life to Date Expenditures (Project Only)

2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

Thorough Cost Estimate	<input type="checkbox"/>	2016	<input type="checkbox"/>	2017	<input type="checkbox"/>	2018	<input type="checkbox"/>	2019	<input type="checkbox"/>	2020	<input type="checkbox"/>	2021	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>		<input type="checkbox"/>										
Based on Cost of Similar Projects	<input type="checkbox"/>		<input type="checkbox"/>										
Unsupported	<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: 01/05/16

Estimated Completion Date: 12/31/21

Department Head Signature



Prepared By/Phone Ext

C Angelos x2404

# CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 2/13/2015
Project/Program: Parking Facility Repair and Maintenance	
Prepared By: C Angelos	Current Request: \$200,000
Dept Head: Ghassan Korban	6 Yr Total: \$1,200,000

**General Project/Program Description:**  
 2016-2021 Funding for general facility maintenance is used to provide necessary repairs for structural, mechanical and/or electrical deficiencies of a non-emergency nature that when left uncorrected lead to structural, mechanical or electrical deterioration. Funding is also used to correct unplanned deficiencies identified by violation reports issued by building code inspectors that are time-sensitive in nature.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
		x		Does the project directly reduce risks to people or property?
		x		Does the project directly promote improved health or safety?
	x			Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
			See below	Does the project address a legislative, regulatory or court-ordered mandate?
			See below	Does the project promote long-term regulatory compliance?
			See below	Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:  
 Some projects are ordered by building inspectors when deficiencies in fire doors or elevators occur. Some projects may be mandated by building inspectors with legal deadlines for compliance.

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
				What return on investment will this project generate?
				What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x			typically, yes	Will the project lead to a reduction in operating costs?
		x		Will the project lead to increased productivity or service improvements?
		x		Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
x				Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
	x			Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Parking Facility Maintenance and Repair

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
	<input checked="" type="checkbox"/>			<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>
	<input checked="" type="checkbox"/>			Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable <b>Comprehensive Plan, special study, survey, committee or board?</b>
	<input checked="" type="checkbox"/>			Does the project increase or enhance <b>educational opportunities</b> for City of Milwaukee citizens?
	<input checked="" type="checkbox"/>			Does the project increase or enhance <b>recreational opportunities and/or green space?</b>
	<input checked="" type="checkbox"/>			Will the project <b>mitigate blight?</b>
	<input checked="" type="checkbox"/>			Does the project target the <b>quality of life</b> of all citizens?
	<input checked="" type="checkbox"/>			Does the project preserve or improve the <b>historical or natural heritage</b> of the City?
	<input checked="" type="checkbox"/>			Is the project consistent with <b>established community character?</b>
	<input checked="" type="checkbox"/>			Does the project expand the range of <b>transportation, employment, and housing</b> choices in a fiscally responsible manner?
	<input checked="" type="checkbox"/>			Does the project improve, mitigate or prevent degradation of <b>environmental quality</b> (e.g. water quality, pollution including noise and/or light pollution)?
<b>Comments / Other Considerations:</b>				
Yes	No	N/A	Amount	
	<input checked="" type="checkbox"/>			<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>
				How does the request affect the replacement cycle? Provide specifics below.
	<input checked="" type="checkbox"/>			Has the facility being replaced exceeded its useful life?
<input checked="" type="checkbox"/>				Does this project extend the useful life of an existing facility?
	<input checked="" type="checkbox"/>			Do <b>maintenance costs</b> exceed replacement costs?
		<input checked="" type="checkbox"/>		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	<input checked="" type="checkbox"/>			Does the project incorporate <b>new technology</b> that will provide enhanced service?
	<input checked="" type="checkbox"/>			Does the project extend service for new development or redevelopment?
	<input checked="" type="checkbox"/>			Will this project improve the functionality or service life of other related infrastructure?
<b>Comments / Other Considerations:</b>				
Yes	No	N/A	Amount	
	<input checked="" type="checkbox"/>			<b>Economic / Community Development</b>
	<input checked="" type="checkbox"/>			Does the project have the potential to promote economic/community development in areas where growth is desired?
	<input checked="" type="checkbox"/>			Will the project continue to promote or enhance economic/community development in an already developed area?
	<input checked="" type="checkbox"/>			Is the <b>net impact</b> of the project positive?
	<input checked="" type="checkbox"/>			Would an alternate location for this project provide a greater positive economic impact?
	<input checked="" type="checkbox"/>			Will the project produce <b>desirable jobs</b> in the City?
	<input checked="" type="checkbox"/>			Will the project rejuvenate an area that needs assistance?
	<input checked="" type="checkbox"/>			Will the project promote the equitable distribution of the costs and benefits of development?
<b>Comments / Other Considerations:</b>				
Yes	No	N/A	Amount	
	<input checked="" type="checkbox"/>			<b>Special Considerations</b>
<input checked="" type="checkbox"/>				Is there a significant <b>external funding</b> source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	<input checked="" type="checkbox"/>			Are there <b>critical timing issues</b> associated with this project?
	<input checked="" type="checkbox"/>			Are there <b>inter-jurisdictional considerations?</b>
	<input checked="" type="checkbox"/>			Can you quantify the impacts of a delay in this project?
<b>Comments / Other Considerations:</b>				

# Capital Improvement Request Form Part I

Project/Program Title: Surface and Tow Lot Repaving Requesting Department: DPW- PARKING FUND  
 Prepared By/Phone Ext: C Angelos x2404 Department Head Signature: *Ghassan Kubra*  
 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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

2016 - Replace final third of the tow lot pavement. Surface of tow lot has not been repaved since 1990s. Each year over 27,000 vehicles are towed and moved within tow lot. Pavement is deteriorating.

2018 and 2020 - Patch and seal pavement on public, surface parking lots determined to be in most need. Repaving of many lots has not occurred in greater than 25 years. Not only will this provide a less hazardous driving surface, but it also aids in reducing the look of blight in neighborhoods surrounding the lots. Combining several projects provides opportunities for economies of scale in bid prices.

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND

Project/Program Title: Repave Surface Lots and Tow Lot

Account No: \_\_\_\_\_

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$105,000	\$105,000
2017 Projection						\$0
2018 Projection					\$25,000	\$25,000
2019 Projection						\$0
2020 Projection					\$25,000	\$25,000
2021 Projection						\$0
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$155,000	\$155,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$155,000	\$155,000

Life to Date Expenditures (Project Only)

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

Available Cost Estimate:

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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

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

Estimated Start Date: 04/01/18

Estimated Completion Date: 11/30/20

Department Head Signature

*Gloria Kuhn*

Prepared By/Phone Ext

C. Angeles x2404

# CIC - Capital Improvement Request Part III

Department:	DPW - Parking Fund	Date Submitted:	2/13/2015
Project/Program:	Surface and Tow Lot Repaving	Current Request:	\$105,000
Prepared By:	C Angelos	6 Yr Total:	\$155,000
Dept Head:	Ghassan Korban		

**General Project/Program Description:**  
 2016 - Conclude repaving of tow lot and repave 1-2 surface parking lots. 2018 and 2020 -  
 Patch and seal pavement on public, surface parking lots determined to be in most need. Repaving of many lots has not occurred in greater than 25 years.  
 Combining several projects provides opportunities for economies of scale in bid prices.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
	x			Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
		x		Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
				What return on investment will this project generate?
				What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
	x			Will the project lead to a reduction in operating costs?
	x			Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
x				Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
		x		Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

# Capital Improvement Request Form Part I

Project/Program Title: 4th /Highland Parking Structure Repairs Requesting Department: DPW- PARKING FUND

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

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

2016 - Paint steel surfaces and structural components to avoid corrosion and more costly repairs. Replace selected expansion joints throughout the garage. Failure to repair expansion joints will result in slab deterioration, leaks and vehicle damage claims. 2018 - Replace selected caulk joints, apply water repellent sealer, and apply pavement markings. Failure to apply a water repellent sealer and replace selected caulk joints will result in slab deterioration and leaks, thus incurring more costly repairs and increased vehicle damage claims. Pavement markings are required to provide efficient spacing for parked vehicles, thus reducing claims for vehicle damage. The \$500,000 amount requested for this facility is subject to change based on potential development of a new Milwaukee Bucks Arena.

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND Account No: \_\_\_\_\_  
 Project/Program Title: 4th / Highland Parking Structure Repairs

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$500,000	\$500,000
2017 Projection						\$0
2018 Projection					\$350,000	\$350,000
2019 Projection						\$0
2020 Projection						\$0
2021 Projection						\$0
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$850,000	\$850,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$850,000	\$850,000

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

<b>Available Cost Estimate:</b>					
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 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"/>

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

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

Estimated Start Date: 04/01/16  
 Estimated Completion Date: 10/31/18

Department Head Signature: *Sheena Kuhn*  
 Prepared By/Phone Ext: \_\_\_\_\_ C Angelos x2404

## CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 2/13/2015
Project/Program: 4th/ Highland Parking Structure Repairs	
Prepared By: C Angelos	Current Request: \$500,000
Dept Head: Ghassan Korban	6 Yr Total: \$850,000

**General Project/Program Description:**  
 2016 - Paint steel surfaces and structural components to avoid corrosion and more costly repairs. Replace selected expansion joints throughout the garage. 2018 -  
 Replace selected caulk joints, apply water repellent sealer, and apply pavement markings.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
		x		Does the project promote long-term regulatory compliance?
		x		Will there be a serious negative impact on the City if compliance is not achieved?
		x		Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
				What return on investment will this project generate?
				What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
	x			Will the project lead to a reduction in operating costs?
	x			Will the project lead to increased productivity or service improvements?
x				Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
x				Is there a revenue generating opportunity? (e.g. user fees)
	x			Will the project result in a reduction in energy use?
		x		Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

# Capital Improvement Request Form Part I

Project/Program Title: 2nd/Plankinton Parking Structure Repairs Requesting Department: DPW- PARKING FUND

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

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

2017 - Caulk joints and paint garge exterior components including railings, signs and steel surfaces. Periodic application of protective paint finish is required to prevent corrosion and deterioration of these components. Also, repair concrete and apply overlay at helix to prevent degradation of concrete and to extend the useful life.

2021 - Replace 121 light fixtures in stairways and in helices. Proper lighting provides safety for pedestrians in stairwells, safe passage for vehicles in helices, and energy efficiency are all goals of the lighting upgrade. These were last replaced in 2010.

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND Account No: \_\_\_\_\_  
 Project/Program Title: 2nd/Plankinton Parking Structure Repairs

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request						\$0
2017 Projection					\$600,000	\$600,000
2018 Projection						\$0
2019 Projection						\$0
2020 Projection						\$0
2021 Projection					\$38,000	\$38,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$638,000	\$638,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$638,000	\$638,000

Life to Date Expenditures (Project Only)

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

**Available Cost Estimate:**

Thorough Cost Estimate	2016	2017	2018	2019	2020	2021
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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source?  Yes  No  Uncertain

Are cost estimates based on industry standards?  Yes  No  Uncertain

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

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

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

Estimated Start Date: 04/01/17

Estimated Completion Date: 11/30/21

Department Head Signature

Prepared By/Phone Ext

C Angelos X2404

# CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 2/13/2015
Project/Program: 2nd/Plankinton Parking Structure Repairs	
Prepared By: C Angelos	Current Request: \$0
Dept Head: Ghassan Korban	6 Yr Total: \$638,000

**General Project/Program Description:**

Caulk joints and paint garage exterior components including railing, signs and steel surfaces. In 2021, replace 121 light fixtures in stairways and helices.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
				What return on investment will this project generate?
				What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
x				Will the project lead to a reduction in operating costs?
		x		Will the project lead to increased productivity or service improvements?
	x			Will the facility require significant annual maintenance?
	x			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
x				Is there a revenue generating opportunity? (e.g. user fees)
x				Will the project result in a reduction in energy use?
x				Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: 2nd / Plankinton Parking Structure Repairs

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
	X			Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	X			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
	X			Does the project increase or enhance recreational opportunities and/or green space?
	X			Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
	X			Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
X				How does the request affect the replacement cycle? Provide specifics below.
X				Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
	X			Do maintenance costs exceed replacement costs?
	X			Have you documented the past cost of unplanned or corrective maintenance related to the facility?
X				Does the project incorporate new technology that will provide enhanced service?
	X			Does the project extend service for new development or redevelopment?
	X			Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
				Does the project have the potential to promote economic/community development in areas where growth is desired?
				Will the project continue to promote or enhance economic/community development in an already developed area?
				Is the net impact of the project positive?
				Would an alternate location for this project provide a greater positive economic impact?
				Will the project produce desirable jobs in the City?
				Will the project rejuvenate an area that needs assistance?
				Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
		X		Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

**2016 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION**

FUND & PROJECT GRANT NUMBER		PROJECT/PROGRAM TITLE & LOCATION	
SM497160300		Flood Mitigation Program	
DIVISION/ SECTION			
DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES			
DATE	PREPARED BY/PHONE		
3/12/2015	Tim Thur/ 286-2463		
<u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u>			
<p>The City of Milwaukee is responsible for collecting and conveying storm water runoff from public and private properties to local streams, rivers, and ultimately to Lake Michigan. Areas of the City periodically experience excessive surface flooding during heavy rain events. Surface flooding can cause significant property damage, and is also a health and safety risk for the public. Excess stormwater runoff can also enter sanitary sewers, causing basement back-ups by overwhelming the sanitary sewers. The City has determined that in areas with repeated surface flooding, additional measures may be required to mitigate the flooding risk.</p> <p>The Copernicus Park Neighborhood and surrounding areas have experienced repeated occurrences of surface flooding in the past 10 years. In response, the City of Milwaukee partnered with Milwaukee County to commission a study to address the development of potential solutions. The study examined various options for mitigating the flood risks in the Copernicus park neighborhood. The preferred option is to construct a stormwater detention facility within the Park. This program aims to provide the funding for this stormwater detention project and associated park improvements.</p> <p>Failure to provide funding for this program will result in:</p> <ul style="list-style-type: none"> <li>• Increased risk to private property from flooding.</li> <li>• Increase risk to public health due to flood damage in basements.</li> <li>• Increase risk of basement back-ups due to stormwater entering and overwhelming the sanitary sewer system.</li> </ul>			

# Capital Improvement Request Form Part I

Project/Program Title: Flood Mitigation Program

Requesting Department: DPW/Infrastructure Services

Prepared By/Phone Ext: Tim Thur / 286-2463

Department Head Signature: *Gregory Kuhn*

Account No: SM497160300

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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Capital Improvement Request Part II

Requesting Department: DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES  
 Project/Program Title: Flood Mitigation Program

Account No: SM497160300

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$5,000,000	\$5,000,000
2017 Projection					\$1,500,000	\$1,500,000
2018 Projection					\$0	\$0
2019 Projection					\$0	\$0
2020 Projection					\$0	\$0
2021 Projection					\$0	\$0
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$6,500,000	\$6,500,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$6,500,000	\$6,500,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2016	2017	2018	2019	2020	2021
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 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: 01/01/16  
 Estimated Completion Date: 12/31/17

Department Head Signature: Chessa Kester  
 Prepared By/Phone Ext: Tim Thur/ext - 2463

## CIC - Capital Improvement Request Part III

Department:	Department of Public Works - Infrastructure Services	Date Submitted:	3/12/2015
Project/Program:	Flood Mitigation Program	Current Request:	\$5,000,000
Prepared By:	Tim Thur	6 Yr Total:	\$6,500,000
Dept Head:			

**General Project/Program Description:**

Areas of the City periodically experience excessive surface flooding during heavy rain events, causing significant property damage, and posing a health and safety risk for the public. Excess stormwater runoff can also cause basement back-ups by overwhelming the sanitary sewers. This program aims to fund stormwater detention facilities to mitigate flood risks.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Stormwater detention ponds reduce the risk of surface flooding during storm events.

Yes	No	N/A	Amount	Regulatory Compliance
	x			Does the project address a legislative, regulatory or court-ordered mandate?
	x			Does the project promote long-term regulatory compliance?
	x			Will there be a serious negative impact on the City if compliance is not achieved?
		x		Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
	x			Will the facility require additional personnel to operate?
	x			Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
x				Will the facility require significant annual maintenance?
		x		Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
		x		Will the project result in a reduction in energy use?
		x		Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

Stormwater detention facilities will be located on Milwaukee County property.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Flood Mitigation Program

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
x				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
x				Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
x				Does the project increase or enhance recreational opportunities and/or green space?
x				Will the project mitigate blight?
x				Does the project target the quality of life of all citizens?
		x		Does the project preserve or improve the historical or natural heritage of the City?
		x		Is the project consistent with established community character?
		x		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
x				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<b>Comments / Other Considerations:</b>				
Stormwater detention facilities reduce the risk of flooding, promote better water quality, and thereby create a better quality of life for the affected residents				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		x		How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
	x			Do maintenance costs exceed replacement costs?
		x		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	x			Does the project incorporate new technology that will provide enhanced service?
		x		Does the project extend service for new development or redevelopment?
x				Will this project improve the functionality or service life of other related infrastructure?
<b>Comments / Other Considerations:</b>				
Stormwater detention facilities do not have a regular replacement cycle.				
Yes	No	N/A	Amount	Economic / Community Development
x				Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
		x		Would an alternate location for this project provide a greater positive economic impact?
x				Will the project produce desirable jobs in the City?
x				Will the project rejuvenate an area that needs assistance?
		x		Will the project promote the equitable distribution of the costs and benefits of development?
<b>Comments / Other Considerations:</b>				
Reducing flooding can have a direct impact on quality of life for residents and businesses.				
Yes	No	N/A	Amount	Special Considerations
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
x				Are there critical timing issues associated with this project?
x				Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?
<b>Comments / Other Considerations:</b>				

## 2016 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

<b>FUND &amp; PROJECT GRANT NUMBER</b>  SM495160000	<b>PROJECT/PROGRAM TITLE &amp; LOCATION</b>  SEWER MAINTENANCE RELAY PROGRAM AT VARIOUS LOCATIONS THROUGHOUT THE CITY OF MILWAUKEE
<b>DIVISION/ SECTION</b>  DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES	
<b>DATE</b>	<b>PREPARED BY/PHONE</b>
3/2/2015	Timothy J. Thur / 286-2463
<b>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</b>	
<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"> <li>1. <b>BACKWATER PROJECTS:</b> 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).</li> <li>2. <b>CONDITION PROJECTS:</b> The City's infrastructure needs to be adequately maintained. Sewers deteriorate and eventually fall 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.</li> <li>3. <b>HYDRAULIC CAPACITY PROJECTS:</b> 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.</li> <li>4. <b>SEWER STRUCTURE CONSTRUCTION:</b> New drainage structures shall be installed to minimize surface flooding problems.</li> </ol> <p>There are three alternatives to the Sewer Maintenance Relay Program.</p> <ol style="list-style-type: none"> <li>1. Eliminate the program and allow sewage to back up into buildings and onto streets creating a health and safety hazard.</li> <li>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. This would also, open the City up to legal litigation for not maintaining City own sewer facilities.</li> <li>3. Eliminate the program and install sewage holding tanks for the areas which had been served by the failed sewer.</li> </ol> <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: Timothy J. Thur / 286-2463

Department Head Signature: *Gregory Kuhn*

Account No: SM495160000

A) Department Priority \_\_\_\_\_ of \_\_\_\_\_ Useful Life 90 Years Level of Need  Essential  Important  Desired

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

On-Going Program Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  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: SM495160000

Special Assessment Revenue Grant & Aid Tax Levy/Borrowing

Year	Special Assessment	Revenue	Grant & Aid	Tax Levy/Borrowing	Enterprise	Total Cost
Remaining Balance for 2015					\$0	\$0
2016 Budget Request					\$32,000,000	\$32,000,000
2017 Projection					\$32,000,000	\$32,000,000
2018 Projection					\$32,000,000	\$32,000,000
2019 Projection					\$32,000,000	\$32,000,000
2020 Projection					\$33,000,000	\$33,000,000
2021 Projection					\$33,000,000	\$33,000,000
<b>Total Six Year Cost</b>		\$0	\$0	\$0	\$194,000,000	\$194,000,000
<b>Total Project Cost</b>		\$0	\$0	\$0	\$194,000,000	\$194,000,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- 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: 01/01/16

Estimated Completion Date: On-Going

Department Head Signature

*Sharon Kuban*

Prepared By/Phone Ext

Timothy J. Thur / 286-2463

## CIC - Capital Improvement Request Part III

Department:	DPW / Infrastructure Services	Date Submitted:	3/2/2015
Project/Program:	Sewer Maintenance Relay Program at Various Locations	Current Request:	\$32,000,000.00
Prepared By:	Timothy J. Thur	6 Yr Total:	\$194,000,000.00
Dept Head:			

**General Project/Program Description:**

This program provides for the installation, rehabilitation, and replacement of City sewers and associated infrastructure to ensure public health and safety. It also provides for the public good by replacing and repairing facilities that could cause surface depressions and/or sink holes resulting from collapsed or collapsing sewers.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
X				Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
	X			Does the project address a legislative, regulatory or court-ordered mandate?
X				Does the project promote long-term regulatory compliance?
X				Will there be a serious negative impact on the City if compliance is not achieved?
	X			Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

By not reacting to regulatory requirements and directions the City would lose capital grant funds and face stiff fines along with legal actions for the respective regulatory agencies.

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
	X			Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
	X			Will the project lead to a reduction in operating costs?
	X			Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
X				Is there a revenue generating opportunity? (e.g. user fees)
		X		Will the project result in a reduction in energy use?
		X		Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

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.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Sewer Maintenance Relay Program at Various Locations.

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
X				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
X				Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
X				Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
X				Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
X				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<b>Comments / Other Considerations:</b>				
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 businesses, as all capital sewer projects are constructed by private contract.				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
X				Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
X				Do maintenance costs exceed replacement costs?
X				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
X				Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?
<b>Comments / Other Considerations:</b>				
Sewer failures become more probable as existing facilities exceed their useful life. 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.				
Yes	No	N/A	Amount	Economic / Community Development
X				Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
X				Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
X				Will the project promote the equitable distribution of the costs and benefits of development?
<b>Comments / Other Considerations:</b>				
Developer agreement of sewer construction occurs when a private developer requests that the City extend sewer service to the developer's lands or when the development requires modifications to an existing sewer system. Developer sewer construction is fully financed by the developer, who normally enters into a formal agreement with the City setting forth the terms.				
Yes	No	N/A	Amount	Special Considerations
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
X				Are there critical timing issues associated with this project?
X				Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?
<b>Comments / Other Considerations:</b>				
The City's sewer design standards are established to comply with the Wisconsin Department of Natural Resources (WDNR) and Milwaukee Metropolitan Sewerage District (MMSD) requirements.				

## 2015 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PROJECT GRANT NUMBER <p style="text-align: center;">SM497160100</p>		PROJECT/PROGRAM TITLE & LOCATION <p style="text-align: center;">Sanitary Pump Rehabilitation Project</p>	
DIVISION/ SECTION <p style="text-align: center;">DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES</p>			
DATE	PREPARED BY/PHONE		
3/4/2015	Tim Thur / 286-2463		
<u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u>			
<p>The City of Milwaukee owns and maintains approximately 90 pump facilities. These pump facilities consist of 7 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"> <li>• 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.</li> <li>• Loss of sanitary sewer service for the existing areas that currently rely on the lift stations.</li> <li>• Loss of potential development for areas tributary to the lift stations.</li> </ul> <p>Failure of the sanitary bypass pump stations will result in:</p> <ul style="list-style-type: none"> <li>• Sanitary sewage back-ups into residential homes and businesses, causing a health hazard and extensive damage.</li> </ul>			

# 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: Tim Thur, 286-2463 Department Head Signature: *[Signature]*  
 Account No: SM497160100

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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: SM497160100

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$700,000	\$700,000
2017 Projection					\$700,000	\$700,000
2018 Projection					\$700,000	\$700,000
2019 Projection					\$700,000	\$700,000
2020 Projection					\$700,000	\$700,000
2021 Projection					\$700,000	\$700,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$4,200,000	\$4,200,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$4,200,000	\$4,200,000

Life to Date Expenditures (Project Only)

2016	2017	2018	2019	2020	2021
\$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: 01/01/16

Estimated Completion Date: on going

Department Head Signature



Prepared By/Phone Ext

Tim Thur / 2463

## CIC - Capital Improvement Request Part III

Department:	Department of Public Works - Infrastructure Services	Date Submitted:	3/4/2015
Project/Program:	Sanitary Pump Rehabilitation Program	Current Request:	\$700,000
Prepared By:	Tim Thur	6 Yr Total:	\$4,200,000
Dept Head:			

**General Project/Program Description:**

The City owns and maintains 7 sanitary lift stations and 83 sanitary bypass pump stations. The sanitary lift stations are required to convey sanitary wastewater from low-lying areas to the MMSD for treatment. Sanitary bypass pump stations reduce the risk of sewage backing up into residents' homes and businesses, and protect public health and property.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
x				Does the project directly reduce risks to people or property?
x				Does the project directly promote improved health or safety?
x				Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Sanitary bypass pump reduce the risk of basement backups during storm events.

Yes	No	N/A	Amount	Regulatory Compliance
x				Does the project address a legislative, regulatory or court-ordered mandate?
x				Does the project promote long-term regulatory compliance?
x				Will there be a serious negative impact on the City if compliance is not achieved?
	x			Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Sanitary lift stations are required to provide sanitary service to low-lying areas.

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		x		What return on investment will this project generate?
		x		What is the expected payback period for this project?
x				Does the project minimize life-cycle costs?
x				Will the facility require additional personnel to operate?
	x			Will the project lead to a reduction in operating costs?
x				Will the project lead to increased productivity or service improvements?
x				Will the facility require significant annual maintenance?
		x		Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	x			Is there a revenue generating opportunity? (e.g. user fees)
		x		Will the project result in a reduction in energy use?
		x		Does the project involve specific energy reduction strategies or features?
	x			Will this project cause disruptions to regular city operations?
	x			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Sanitary Pump Rehabilitation Program

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
x				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		x		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		x		Does the project increase or enhance recreational opportunities and/or green space?
		x		Will the project mitigate blight?
		x		Does the project target the quality of life of all citizens?
		x		Does the project preserve or improve the historical or natural heritage of the City?
		x		Is the project consistent with established community character?
		x		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
x				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?

**Comments / Other Considerations:**

Lift stations provide development opportunities in areas that lack gravity sewer service.

Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		x		How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
x				Does this project extend the useful life of an existing facility?
x				Do maintenance costs exceed replacement costs?
x				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
x				Does the project incorporate new technology that will provide enhanced service?
x				Does the project extend service for new development or redevelopment?
x				Will this project improve the functionality or service life of other related infrastructure?

**Comments / Other Considerations:**

Replacement of existing equipment is necessary to provide the services required. New technologies are utilized to improve performance.

Yes	No	N/A	Amount	Economic / Community Development
x				Does the project have the potential to promote economic/community development in areas where growth is desired?
x				Will the project continue to promote or enhance economic/community development in an already developed area?
x				Is the net impact of the project positive?
		x		Would an alternate location for this project provide a greater positive economic impact?
x				Will the project produce desirable jobs in the City?
x				Will the project rejuvenate an area that needs assistance?
		x		Will the project promote the equitable distribution of the costs and benefits of development?

**Comments / Other Considerations:**

Reducing backwaters can have a direct impact on quality of life for residents and businesses.

Yes	No	N/A	Amount	Special Considerations
	x			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
x				Are there critical timing issues associated with this project?
x				Are there inter-jurisdictional considerations?
	x			Can you quantify the impacts of a delay in this project?

**Comments / Other Considerations:**

## 2016 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PROJECT GRANT NUMBER <p style="text-align: center;">SM497160200</p>	PROJECT/PROGRAM TITLE & LOCATION <p style="text-align: center;">River Channel Maintenance</p>
DIVISION/ SECTION <p style="text-align: center;">DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES</p>	
DATE <p style="text-align: center;">3/12/2015</p>	PREPARED BY/PHONE <p style="text-align: center;">Tim Thur/ 286-2463</p>
PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION <p>The City is responsible for the maintenance of several river channels at various locations throughout the City. River channels lose storage and conveyance capacity when sediments build up on the channel beds over time. When there is too much debris, silt and sediment build-up and vegetation growth it is necessary that the channel is dredged and/or the vegetation removed. Otherwise the channels would lose conveyance capacity and overflow their banks, endangering the surrounding property owners. The maintenance of the channels is also needed to ensure that sediment from eroding banks does not negatively impact the water quality of the area's streams and rivers.</p> <p>The channel maintenance program may include removing deposits from channels, modifying existing channels, and cleaning of box culverts and other structures.</p> <p>Channel maintenance will help improve the flow of water through the channel, helping to reduce the risk for surface flooding or basement backups for neighborhoods adjacent to these channels. A well maintained channel will also stabilize the banks and reduce the amount of sediment being washed downstream.</p> <p>If funding is not approved, properties abutting the channels will be under a greater risk of flooding, resulting in the loss of property and threatening the safety of the residents and the welfare of the general public.</p>	

# Capital Improvement Request Form Part I

Project/Program Title: River channel maintenance Requesting Department: DPW/Infrastructure Services  
 Prepared By/Phone Ext: Tim Thur / 286-2463 Department Head Signature: *Ghassan Kuhn*  
 Account No: SM497160200

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES

Account No: SM497160200

Project/Program Title: River Channel Maintenance

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$200,000	\$200,000
2017 Projection					\$200,000	\$200,000
2018 Projection					\$200,000	\$200,000
2019 Projection					\$200,000	\$200,000
2020 Projection					\$200,000	\$200,000
2021 Projection					\$200,000	\$200,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000

**Life to Date Expenditures (Project Only)**

2016	2017	2018	2019	2020	2021	Total
\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Available Cost Estimate:**

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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: 01/01/16

Estimated Completion Date: on-going

Department Head Signature



Prepared By/Phone Ext

Tim Thur/ext - 2463

## CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure Services	Date Submitted:	3/12/2015
Project/Program:	River Channel Maintenance	Current Request:	\$200,000
Prepared By:	Tim Thur	6 Yr Total:	\$1,200,000
Dept Head:			

**General Project/Program Description:**

The channel maintenance program includes dredging of channels, removing deposits from channels, modifying existing channels, and cleaning of box culverts and other structures to adequately convey flows without increasing surface flooding. It will help reduce the amount of sediment being washed downstream and reduce the risk for flooding or basement backups for adjacent neighborhoods.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
X				Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
X				Does the project address a legislative, regulatory or court-ordered mandate?
X				Does the project promote long-term regulatory compliance?
X				Will there be a serious negative impact on the City if compliance is not achieved?
	X			Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
	X			Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
		X		Will the project lead to a reduction in operating costs?
		X		Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
		X		Will the project result in a reduction in energy use?
		X		Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: River Channel Maintenance

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		X		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
	X			Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
X				Does the project increase or enhance recreational opportunities and/or green space?
	X			Will the project mitigate blight?
X			All Citizens	Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
	X			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
X				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
		X		Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	X			Does the project incorporate new technology that will provide enhanced service?
	X			Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
X				Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
X				Are there critical timing issues associated with this project?
X				Are there inter-jurisdictional considerations?
X				Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

## 2016 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

<b>FUND &amp; PROJECT GRANT NUMBER</b>  SM494160000	<b>PROJECT/PROGRAM TITLE &amp; LOCATION</b>  Infiltration/Inflow Reduction Program
<b>DIVISION/ SECTION</b>  DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES	
<b>DATE</b>  3/2/2015	<b>PREPARED BY/PHONE</b>  Timothy J. Thur / 286-2463
<b><u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u></b>  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). When too much excess water enters our sewers as Infiltration or Inflow the following problems may occur: <ul style="list-style-type: none"> <li>• Sewage may backup into residents homes creating a health hazard and an expensive cleanup of their property;</li> <li>• Sewage may overflow from manholes or bypass treatment facilities contaminating properties as well as rivers and Lake Michigan;</li> <li>• Infiltration and inflow will use up existing hydraulic capacity in our sewers which will restrict the opportunity for growth;</li> <li>• 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.</li> </ul> Also, the City will undertake projects in compliance with current state and federal regulations, and to implement the MMSD's 2020 Facilities Plan, as adopted by the DNR. The MMSD established limits for peak hourly flow rates in January 2010, as part of Chapter 3, sec.3.201, MMSD Rules. MMSD has require additional rehabilitation work by the City to execute corrective action in metersheds exceeding the peak hourly flow rate established in Chapter 3.  If funds are not approved the following results may occur: <ul style="list-style-type: none"> <li>• Sewage may backup into residents homes creating a health hazard and an expensive cleanup of their property;</li> <li>• Sewage may overflow from manholes or bypass treatment facilities contaminating properties as well as rivers and Lake Michigan;</li> <li>• Infiltration and inflow will use up existing hydraulic capacity in our sewers which will restrict the opportunity for growth;</li> <li>• 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.</li> <li>• The City will not be able to do the required work as mentioned above, and will not only be out of compliance with MMSD's 2020 Facilities Plan. These violations would result in fines and possibly lost of grant funding.</li> </ul>	

# 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: Timothy J. Thur / 286-2463

Department Head Signature: *Colleen Kuhn*

Account No: SM494160000

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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  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: Infiltration/Inflow Reduction Program

Account No: SM494160000

Year	Special Assessment			Enterprise	Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue		
Remaining Balance for 2015				\$0	\$0
2016 Budget Request		\$1,800,000		\$5,000,000	\$6,800,000
2017 Projection		\$1,800,000		\$7,000,000	\$8,800,000
2018 Projection		\$1,800,000		\$7,000,000	\$8,800,000
2019 Projection		\$1,800,000		\$7,000,000	\$8,800,000
2020 Projection		\$1,800,000		\$7,000,000	\$8,800,000
2021 Projection		\$1,800,000		\$7,000,000	\$8,800,000
<b>Total Six Year Cost</b>	\$0	\$10,800,000	\$0	\$40,000,000	\$50,800,000
<b>Total Project Cost</b>	\$0	\$10,800,000	\$0	\$40,000,000	\$50,800,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

- 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: 01/01/16

Estimated Completion Date: On-Going

Department Head Signature



Prepared By/Phone Ext

Timothy J. Thur / 286-2463

## CIC - Capital Improvement Request Part III

Department: DPW / Infrastructure Services	Date Submitted: 3/2/2015
Project/Program: Infiltration/Inflow Reduction Program	
Prepared By: Timothy J. Thur	Current Request: \$5,000,000.00
Dept Head:	6 Yr Total: \$50,800,000.00

**General Project/Program Description:**

This program is to reduce Infiltration / Inflow (I/I) into the sanitary sewer system. As I/I enters into the City's sanitary system the following problems may occur: 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.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
X				Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

When too much excess water enters our sewers as infiltration or Inflow the following problems may occur:  
 • 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:

Yes	No	N/A	Amount	Regulatory Compliance
X				Does the project address a legislative, regulatory or court-ordered mandate?
X				Does the project promote long-term regulatory compliance?
X				Will there be a serious negative impact on the City if compliance is not achieved?
	X			Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
	X			Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
	X			Will the project lead to a reduction in operating costs?
X				Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
X				Is there a revenue generating opportunity? (e.g. user fees)
		X		Will the project result in a reduction in energy use?
		X		Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

If funding for this project is not approved, the City will not be able to do the required work and will be out of compliance with MMSSD's 2020 Facilities Plan.

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Infiltration/Inflow Reduction

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
X				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
X				Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
X				Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
X				Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
X				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<b>Comments / Other Considerations:</b>				
The Infiltration and Inflow 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.				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
X				Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
X				Do maintenance costs exceed replacement costs?
X				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
X				Does the project incorporate new technology that will provide enhanced service?
X				Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?
<b>Comments / Other Considerations:</b>				
Infiltration and Inflow becomes more problematic as existing facilities reach their useful life. 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, unnecessary neighborhood disruptions and potentially large expenses from basement backwaters or surface flooding.				
Yes	No	N/A	Amount	Economic / Community Development
X				Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
X				Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
X				Will the project promote the equitable distribution of the costs and benefits of development?
<b>Comments / Other Considerations:</b>				
Sewage backups into residential homes and businesses create a health hazard and expensive cleanup of their respective properties. In order for economic and community development to grow we must provide a sound and reliable infrastructure system.				
Yes	No	N/A	Amount	Special Considerations
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
X				Are there critical timing issues associated with this project?
X				Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?
<b>Comments / Other Considerations:</b>				
MMSD's 2020 Facilities Plan as adopted by the DNR has require additional rehabilitation work by the City to execute corrective action in selected metershed in a timely manner.				

## 2016 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

<b>FUND &amp; PROJECT GRANT NUMBER</b>  SM499160000	<b>PROJECT/PROGRAM TITLE &amp; LOCATION</b>  Water Quality Projects to meet Total Maximum Daily Load (TMDL) Requirements
<b>DIVISION/ SECTION</b>  DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES	
<b>DATE</b>	<b>PREPARED BY/PHONE</b>
3/12/2015	Tim Thur / 286-2463
<b>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</b>	
<p>Impaired water bodies, those that do not meet the Wisconsin Department of Natural Resources (DNR ) water quality standards, have been identified in the Milwaukee, Menomonee and Kinnickinnic watersheds. The impairments relate to Total Suspended Solids (TSS) (associated with a wide variety of material, such as silt, decaying plant and animal matter, industrial wastes, and sewage), bacteria (which is associated with human /animal waste) and total phosphorus (from "nonpoint" or "runoff" pollution such as when heavy rains and melting snow wash over farm fields and feedlots and carry fertilizer, manure and soil into lakes and streams, or carry phosphorus-containing contaminants from urban streets and parking lots.)</p> <p>Work is currently underway on Total Maximum Daily Loads (TMDLs) which will address the TSS, bacteria and phosphorus-related impairments in the Menomonee, Milwaukee, and Kinnickinnic River watersheds and the estuary area.</p> <p>In order to address TMDL requirements, the City of Milwaukee will continue 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 last until the TMDL goals are met.</p>	

# Capital Improvement Request Form Part I

Project/Program Title: Water Quality Projects to meet TMDL Requirements  
 Prepared By/Phone Ext: Tim Thur / 286-2463  
 Account No: SM499160000

Requesting Department: DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES  
 Department Head Signature: 

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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

G) Additional Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Capital Improvement Request Part II

Requesting Department: DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES

Project/Program Title: Water Quality Projects to meet TMDL Requirements Account No: SM499160000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request		\$674,000			\$1,000,000	\$1,674,000
2017 Projection		\$674,000			\$500,000	\$1,174,000
2018 Projection		\$674,000			\$500,000	\$1,174,000
2019 Projection		\$845,000			\$500,000	\$1,345,000
2020 Projection					\$500,000	\$500,000
2021 Projection					\$500,000	\$500,000
<b>Total Six Year Cost</b>	\$0	\$2,867,000	\$0	\$0	\$3,500,000	\$6,367,000
<b>Total Project Cost</b>	\$0	\$2,867,000	\$0	\$0	\$3,500,000	\$6,367,000

**Life to Date Expenditures (Project Only)**

2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0

**Available Cost Estimate:**

Thorough Cost Estimate	2016	2017	2018	2019	2020	2021
Limited Information	<input 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: 01/01/16  
 Estimated Completion Date: on-going

Department Head Signature



Prepared By/Phone Ext

Tim Thur / 2463

## CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure Services	Date Submitted:	3/12/2015
Project/Program:	Water Quality Projects to meet Total Maximum Daily Load (TMDL) Requirements	Current Request:	\$1,674,000
Prepared By:	Tim Thur	6 Yr Total:	\$6,367,000
Dept Head:			

**General Project/Program Description:**

The City addresses TMDL (Total Maximum Daily Load) requirements by constructing 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. The BMPs will help reduce TSS, bacteria and phosphorus-related impairments in the Menomonee, Milwaukee, and Kinnickinnic River watersheds and the estuary area.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
X				Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
X				Does the project address a legislative, regulatory or court-ordered mandate?
X				Does the project promote long-term regulatory compliance?
X				Will there be a serious negative impact on the City if compliance is not achieved?
	X			Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
	X			Will the project lead to a reduction in operating costs?
		X		Will the project lead to increased productivity or service improvements?
X				Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
		X		Is there a revenue generating opportunity? (e.g. user fees)
		X		Will the project result in a reduction in energy use?
		X		Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

**Project/Program:** Water Quality Projects to meet Total Maximum Daily Load (TMDL) Requirements

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
X				Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
X				Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
X				Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
X				Does the project target the quality of life of all citizens?
	X			Does the project preserve or improve the historical or natural heritage of the City?
X				Is the project consistent with established community character?
	X			Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
X				Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<b>Comments / Other Considerations:</b>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
		X		Does this project extend the useful life of an existing facility?
	X			Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
	X			Does the project incorporate new technology that will provide enhanced service?
	X			Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?
<b>Comments / Other Considerations:</b>				
Yes	No	N/A	Amount	Economic / Community Development
X				Does the project have the potential to promote economic/community development in areas where growth is desired?
X				Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
	X			Would an alternate location for this project provide a greater positive economic impact?
	X			Will the project produce desirable jobs in the City?
	X			Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<b>Comments / Other Considerations:</b>				
Yes	No	N/A	Amount	Special Considerations
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
X				Are there critical timing issues associated with this project?
X				Are there inter-jurisdictional considerations?
X				Can you quantify the impacts of a delay in this project?
<b>Comments / Other Considerations:</b>				

**MILWAUKEE WATER WORKS  
2016 CAPITAL IMPROVEMENT PROGRAM**

**WATER MAIN IMPROVEMENTS PROGRAM**

Non-Assessable Water Mains	\$19,500,000
Assessable Water Mains	\$5,000
Developer Water Mains	\$5,000
 Total Mains	 <u>\$19,510,000</u>

**WATER PLANTS PROGRAM**

<u>PROGRAM CATEGORY</u>	<u>ESTIMATED COST</u>
1. Linnwood Plant Building Improvements	\$565,000
2. Linnwood Plant Treatment Improvements	\$2,425,000
3. Howard Plant Building Improvements	\$0
4. Howard Plant Treatment Improvements	\$750,000
5. Pump Facilities Improvements	\$3,200,000
6. Storage Facilities Improvements	\$2,000,000
7. Meter Facilities Improvements	\$0
8. Backup Power Generation	\$0
9. Capital Projects Contingencies	\$2,000,000
 TOTAL WATER PLANT PROGRAM	 <u>\$10,940,000</u>
TOTAL MAINS PROGRAM	\$19,510,000
TOTAL PROGRAM	<u>\$30,450,000</u>

**CITY OF MILWAUKEE**

**2016 BUDGET YEAR  
NON-O&M FUNDING REPORT  
BMD-52**

**DEPARTMENT OF PUBLIC WORKS**  
Milwaukee Water Works





**CITY OF MILWAUKEE**

**2016-2021 CAPITAL IMPROVEMENTS**

**PROGRAM REQUESTS**

**DEPARTMENT OF PUBLIC WORKS**  
Milwaukee Water Works

**CITY OF MILWAUKEE**

**2016-2021**

**WATER MAIN IMPROVEMENTS PROGRAM**

DEPARTMENT OF PUBLIC WORKS  
Milwaukee Water Works

**CITY OF MILWAUKEE**

**2016-2021**

**NON-ASSESSABLE WATER MAIN PROGRAM**

**DEPARTMENT OF PUBLIC WORKS**  
Milwaukee Water Works

# Capital Improvement Request Form Part I

Project/Program Title: 2016-2021 Non-assessable Water Main Program Requesting Department: DPW/Milwaukee Water Works  
 Prepared By/Phone Ext: Carrie M. Lewis/2801 Department Head Signature: *Carrie M. Lewis*  
 Account No: 04206410R999

A) Department Priority \_\_\_\_\_ of \_\_\_\_\_ 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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This program is needed to continue to provide sufficient and reliable water supply to consumers, and to protect the health of Milwaukee Citizens; to provide sufficient water for fire protection needs, and to enable consumers to obtain the lowest cost fire insurance.

G) Additional Comments

The Non-assessable Water Main Program replaces selected water main segments based on Water Engineering Experience Index (main breaks, anticipated useful life, field observations, etc.), hydraulic characteristics, coordination with paving or sewer projects, and water quality concerns. Per order of the Public Service Commission of Wisconsin, the 2016 request provides for the replacement of 15 miles of water main.

# Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works

Project/Program Title: 2016 - 2021 Non-assessable Water Main Program

Account No: 04206410R999

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$19,500,000	\$19,500,000
2017 Projection					\$20,000,000	\$20,000,000
2018 Projection					\$23,400,000	\$23,400,000
2019 Projection					\$23,400,000	\$23,400,000
2020 Projection					\$26,000,000	\$26,000,000
2021 Projection					\$26,500,000	\$26,500,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$138,800,000	\$138,800,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$138,800,000	\$138,800,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- 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: 01/01/16

Estimated Completion Date: \_\_\_\_\_

Department Head Signature

*Carrie M. Lewis*

Prepared By/Phone Ext

Carrie M. Lewis/2801

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/20/2015
Project/Program:	Non-assessable Water Main Program		
Prepared By:	Carrie M. Lewis, Superintendent	Current Request:	\$19,500,000
Dept Head:	Ghassan Korban, Commissioner	6 Yr Total:	\$138,800,000

**General Project/Program Description:**

This program is needed to continue to provide sufficient and reliable water supply to consumers, and to protect the health of Milwaukee Citizens; to provide sufficient water for fire protection needs, and to enable consumers to obtain the lowest cost fire insurance.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
	X			Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
X				Does the project address a legislative, regulatory or court-ordered mandate?
X				Does the project promote long-term regulatory compliance?
X				Will there be a serious negative impact on the City if compliance is not achieved?
	X			Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
X				Will the project lead to a reduction in operating costs?
X				Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
		X		Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
		X		Is there a revenue generating opportunity? (e.g. user fees)
X				Will the project result in a reduction in energy use?
	X			Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Non-assessable Water Main Program

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	
		X		<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website</b>
		X		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		X		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
		X		<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>
				How does the request affect the replacement cycle? Provide specifics below.
			Project Specific	Has the facility being replaced exceeded its useful life?
			Project Specific	Does this project extend the useful life of an existing facility?
			Project Specific	Do maintenance costs exceed replacement costs?
X				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
	X			Does the project extend service for new development or redevelopment?
			Project Specific	Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
				<b>Economic / Community Development</b>
			Project Specific	Does the project have the potential to promote economic/community development in areas where growth is desired?
		X		Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	
				<b>Special Considerations</b>
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
			Project Specific	Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

**CITY OF MILWAUKEE**

**2016-2021**

**ASSESSABLE WATER MAIN PROGRAM**

DEPARTMENT OF PUBLIC WORKS  
Milwaukee Water Works

# Capital Improvement Request Form Part I

Project/Program Title: 2016-2021 Assessable Water Main Program Requesting Department: DPW/Milwaukee Water Works  
 Prepared By/Phone Ext: Carrie M. Lewis/2801 Department Head Signature: *Carrie M. Lewis*  
 Account No: 04206410R999

A) Department Priority \_\_\_\_\_ of \_\_\_\_\_ Useful Life 100 Years Level of Need  Essential  Important  Desired

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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This program is needed to provide sufficient and reliable water supply to locations where water mains are not currently installed.

G) Additional Comments

This program is needed to continue to provide sufficient and reliable water supply to consumers, and to protect the health of Milwaukee Citizens; to provide sufficient water for fire protection needs, and to enable consumers to obtain the lowest cost fire insurance.

## Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works Account No: 04206410R999  
 Project/Program Title: 2016 - 2021 Assessable Water Main Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$5,000	\$5,000
2017 Projection					\$100,000	\$100,000
2018 Projection					\$5,000	\$5,000
2019 Projection					\$5,000	\$5,000
2020 Projection					\$100,000	\$100,000
2021 Projection					\$5,000	\$5,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$220,000	\$220,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$220,000	\$220,000

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

- Available Cost Estimate:
- Thorough Cost Estimate       2016       2017       2018       2019       2020       2021
  - 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: \_\_\_\_\_ 01/01/16

Estimated Completion Date: \_\_\_\_\_

Department Head Signature \_\_\_\_\_

Gloria Kuhn

Prepared By/Phone Ext \_\_\_\_\_

Carrie M. Lewis/2801

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/20/2015
Project/Program:	Assessable Water Main Program	Current Request:	\$5,000
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$220,000
Dept Head:	Ghassan Korban, Commissioner		

**General Project/Program Description:**

This program is needed to provide sufficient and reliable water supply to locations where water mains are not currently installed.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
	X			Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
	X			Does the project address a legislative, regulatory or court-ordered mandate?
		X		Does the project promote long-term regulatory compliance?
		X		Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
	X			Will the project lead to a reduction in operating costs?
X				Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
X				Is there a revenue generating opportunity? (e.g. user fees)
	X			Will the project result in a reduction in energy use?
	X			Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: Assessable Water Main Program

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		X		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		X		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
		X		Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
X				Does the project extend service for new development or redevelopment?
			Project Specific	Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
				Does the project have the potential to promote economic/community development in areas where growth is desired?
			Project Specific	
		X		Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
				Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	X			
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

**CITY OF MILWAUKEE**

**2016-2021**

**DEVELOPER WATER MAIN PROGRAM**

**DEPARTMENT OF PUBLIC WORKS**  
Milwaukee Water Works

# Capital Improvement Request Form Part I

Project/Program Title: 2016-2021 Developer Water Main Program Requesting Department: DPW/Milwaukee Water Works  
 Prepared By/Phone Ext: Carrie M. Lewis/2801 Department Head Signature: *Carrie M. Lewis*  
 Account No: 04206410R999

A) Department Priority \_\_\_\_\_ of \_\_\_\_\_ Useful Life 100 Years Level of Need  Essential  Important  Desired

Type of Project  New  Replacement  Repair  On-Going Program

Project/Program Scope  Fully Defined  Partially Defined

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This program is needed to provide sufficient and reliable water supply to new developments where water mains are not currently installed.

G) Additional Comments

This program is needed to continue to provide sufficient and reliable water supply to consumers, and to protect the health of Milwaukee Citizens; to provide sufficient water for fire protection needs, and to enable consumers to obtain the lowest cost fire insurance.

# Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works Account No: 04206410R999  
 Project/Program Title: 2016 - 2021 Developer Water Main Program

Year	Tax Levy/Borrowing			Grant & Aid			Revenue			Special Assessment			Enterprise			Total Cost
Remaining Balance for 2015																\$0
2016 Budget Request															\$5,000	\$5,000
2017 Projection															\$100,000	\$100,000
2018 Projection															\$5,000	\$5,000
2019 Projection															\$5,000	\$5,000
2020 Projection															\$100,000	\$100,000
2021 Projection															\$5,000	\$5,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$220,000	\$220,000	
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$220,000	\$220,000	

**Life to Date Expenditures (Project Only)**

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

Thorough Cost Estimate  2016  2017  2018  2019  2020  2021

Limited Information  2016  2017  2018  2019  2020  2021

Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021

Unsupported  2016  2017  2018  2019  2020  2021

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: 01/01/16

Estimated Completion Date: \_\_\_\_\_

Department Head Signature *Carrie M. Lewis* Carrie M. Lewis

Prepared By/Phone Ext Carrie M. Lewis/2801

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/20/2015
Project/Program:	Developer Water Main Program	Current Request:	\$5,000
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$220,000
Dept Head:	Ghassan Korban, Commissioner		

**General Project/Program Description:**

This program is needed to provide sufficient and reliable water supply to new developments where water mains are not currently installed.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
	X			Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
	X			Does the project address a legislative, regulatory or court-ordered mandate?
		X		Does the project promote long-term regulatory compliance?
		X		Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
	X			Will the project lead to a reduction in operating costs?
X				Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			Will the new facility require additional equipment or the construction of additional infrastructure not included in the project budget?
X				Is there a revenue generating opportunity? (e.g. user fees)
	X			Will the project result in a reduction in energy use?
	X			Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: **Developer Water Main Program**

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common Council are available on DCD's website
		X		Is the project in conformance with and supportive of the goals, objectives and strategies of any applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		Does the project expand the range of transportation, employment, and housing choices in a fiscally responsible manner?
		X		Does the project improve, mitigate or prevent degradation of environmental quality (e.g. water quality, pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure -Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
		X		Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
X				Does the project extend service for new development or redevelopment?
<u>Project Specific</u>				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
<u>Project Specific</u>				Does the project have the potential to promote economic/community development in areas where growth is desired?
		X		Will the project continue to promote or enhance economic/community development in an already developed area?
X				Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
	X			Is there a significant external funding source that can only be used for this project and/or which will be lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private donations)?
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

**CITY OF MILWAUKEE**

**2016-2021**

**WATER PLANTS PROGRAM**

DEPARTMENT OF PUBLIC WORKS  
Milwaukee Water Works

**CITY OF MILWAUKEE**

**2016-2021**

**LINNWOOD PLANT BUILDING IMPROVEMENTS**

DEPARTMENT OF PUBLIC WORKS  
Milwaukee Water Works

# Capital Improvement Request Form Part I

Project/Program Title: 2016 - 2021 Linnwood Plant Building Improvements Program

Prepared By/Phone Ext: Carrie M. Lewis/2801

Account No: 04206410R999

Requesting Department: DPW/Milwaukee Water Works

Department Head Signature: *[Signature]*

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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This program relates to buildings on the campus of the Linnwood Water Treatment Plant to ensure that they will effectively house the critical elements of the treatment process. 1) Several roofs at the Linnwood Treatment Plant site are nearing the end of their useful life. The following roofs to be replaced/recoated with 2016 Budget authority are the North Pipe Gallery Roof, the Northwest Drive End House Roof, and the the Northeast Drive End House Roof.2) The Linnwood Water Treatment Plant operates and maintains 32 filter beds under 6 separate ribbed concrete roofs with steel reinforcement. The concrete in some areas of these rooms is cracked and the reinforcing bars are exposed in small locations. This project will investigate the structural integrity of the ceiling and the roof above the filter beds, cracking where present will be patched and repaired to avoid further deterioration to the ceiling.

The first year is for design and advertising of the contract. The assessment and repairs is scheduled for 2017.

G) Additional Comments

# Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works

Project/Program Title: 2016 - 2021 Linwood Plant Building Improvements Program

Account No: 04206410R999

04206410R999

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$565,000	\$565,000
2017 Projection					\$1,035,000	\$1,035,000
2018 Projection					\$350,000	\$350,000
2019 Projection					\$1,175,000	\$1,175,000
2020 Projection					\$850,000	\$850,000
2021 Projection					\$550,000	\$550,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$4,525,000	\$4,525,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$4,525,000	\$4,525,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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: 01/01/16

Estimated Completion Date: \_\_\_\_\_

Department Head Signature *Carrie M. Lewis*



Prepared By/Phone Ext \_\_\_\_\_

Carrie M. Lewis/2801

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/20/2015
Project/Program:	2016 - 2021 Linnwood Plant Building Improvements Program	Current Request:	\$565,000
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$4,525,000
Dept Head:	Ghassan Korban, Commissioner		

**General Project/Program Description:**  
 This program relates to buildings on the campus of the Linnwood Water Treatment Plant to ensure that they will effectively house the critical elements of the treatment process.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
	X			Does the project mitigate an immediate risk?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Regulatory Compliance
	X			Does the project address a legislative, regulatory or court-ordered mandate?
		X		Does the project promote long-term regulatory compliance?
		X		Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

**Comments / Other Considerations:**

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
X				Will the project lead to a reduction in operating costs?
		X		Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
		X		Will the project result in a reduction in energy use?
	X			Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

**Comments / Other Considerations:**

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: 2016 - 2021 Linnwood Plant Building Improvements Program

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common
		X		applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		responsible manner?
		X		pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
		X		is desired?
		X		developed area?
		X		Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
	X			lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

**CITY OF MILWAUKEE**

**2016-2021**

**LINNWOOD PLANT TREATMENT IMPROVEMENTS**

**DEPARTMENT OF PUBLIC WORKS**  
Milwaukee Water Works

# Capital Improvement Request Form Part I

Project/Program Title: 2016 - 2021 Linnwood Plant Treatment Improvements Program  
 Prepared By/Phone Ext: Carrie M. Lewis/2801  
 Account No: 04206410R999

Requesting Department: DPW/Milwaukee Water Works  
 Department Head Signature: *Carrie M. Lewis*

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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This Program continues with Milwaukee Water Works' plan for upgrading and replacing systems necessary for the water purification process. 1) The Motor Control Centers (MCC's) and associated Load Centers are at the end of their useful life. The load centers reduce voltage supplied from We-Energies and the MCC's distribute the power to Condensation Pumps, Sludge pumps, Sluice gates, Storm Water Pumps, Flocculators, and Lighting Panels. If there was a failure of a Load Center, the ability to operate the equipment controlled from the respective MCC's would be lost and would result in equipment outages ranging from the main alum flash mixing pumps to lighting. It has become increasingly difficult to get replacement parts when they fail. The electrical components are critical to Linnwood Plant Operations and need to be replaced with more efficient units. This is the second phase of a multi-year project. This 2016 authority will replace the existing motor control center in the Linnwood East Pump Room and also includes the installation of HVAC for hydrogen sulfide gas mitigation in the East Pump Room. This is the second phase of a multi-year project.

G) Additional Comments

2) Steel Pipe Mitigation will continue to assess and mitigate deficiencies of various steel pipelines associated with the treatment processes, including the raw water pipelines, washwater suction and discharge piping, and the recovery basin pipe. The 2015 request obtained \$500,000 to cover the first phase of rehabilitation. 3) Flocculator bearings are nearing the end of their useful life and need to be replaced. The flocculator bearing replacements in the Linnwood North Coagulation Basins will be completed in 2016. There is \$75,000 in the 2015 budget for engineering, design and contract procurement. Both years will replace the entire North basin Flocculators. 4) Chemical Feed Systems upgrades is a project to replace the present mixing systems for Alum, Sodium Hypochlorite and Ammonia, prone to major maintenance repairs and failure, with a mechanical propeller mixer and chemical drip feed system.

## Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works Account No: 04206410R999  
 Project/Program Title: 2016 - 2021 Linwood Plant Treatment Improvements Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$2,425,000	\$2,425,000
2017 Projection					\$2,750,000	\$2,750,000
2018 Projection					\$1,090,000	\$1,090,000
2019 Projection					\$1,350,000	\$1,350,000
2020 Projection					\$2,765,000	\$2,765,000
2021 Projection					\$5,000,000	\$5,000,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$15,380,000	\$15,380,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$15,380,000	\$15,380,000

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

<b>Available Cost Estimate:</b>					
Thorough Cost Estimate	<input type="checkbox"/>				
Limited Information	<input type="checkbox"/>				
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>				
Unsupported	<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: 01/01/16  
 Estimated Completion Date: \_\_\_\_\_

Department Head Signature *Carrie M. Lewis*  
 Prepared By/Phone Ext Carrie M. Lewis/2801

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/20/2015
Project/Program:	2016 - 2021 Linnwood Plant Treatment Improvements Program	Current Request:	\$2,425,000
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$15,380,000
Dept Head:	Ghassan Korban, Commissioner		

**General Project/Program Description:**  
 This Program continues with Milwaukee Water Works' plan for upgrading and replacing systems necessary for the water purification process

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
	X			Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	X			Does the project address a legislative, regulatory or court-ordered mandate?
		X		Does the project promote long-term regulatory compliance?
		X		Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
X				Will the project lead to a reduction in operating costs?
X				Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
	X			Will the project result in a reduction in energy use?
	X			Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: 2016 - 2021 Linnwood Plant Treatment Improvements Program

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common
		X		applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		responsible manner?
		X		pollution including noise and/or light pollution)?

Comments / Other Considerations:

Yes	No	N/A	Amount	Infrastructure ; Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?

Comments / Other Considerations:

Yes	No	N/A	Amount	Economic / Community Development
		X		is desired?
		X		developed area?
		X		Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?

Comments / Other Considerations:

Yes	No	N/A	Amount	Special Considerations
	X			lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?

Comments / Other Considerations:

**CITY OF MILWAUKEE**

**2016-2021**

**HOWARD PLANT BUILDING IMPROVEMENTS**

**DEPARTMENT OF PUBLIC WORKS**  
Milwaukee Water Works

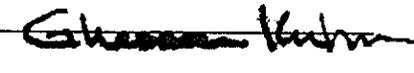
# Capital Improvement Request Form Part I

Project/Program Title: 2016 - 2021 Howard Plant Building Improvements

Prepared By/Phone Ext: Carrie M. Lewis/2801

Account No: 04206410R999

Requesting Department: DPW/Milwaukee Water Works

Department Head Signature: *CML* 

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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This program relates to buildings on the campus of the Howard Water Treatment Plant to ensure that they will effectively house the critical elements of the treatment process. There is no requested authority for 2016.

G) Additional Comments

## Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works Account No: 04206410R999  
 Project/Program Title: 2016 - 2021 Howard Plant Building Improvements

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$0	\$0
2017 Projection					\$575,000	\$575,000
2018 Projection					\$170,000	\$170,000
2019 Projection					\$50,000	\$50,000
2020 Projection					\$550,000	\$550,000
2021 Projection					\$250,000	\$250,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$1,595,000	\$1,595,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$1,595,000	\$1,595,000

**Life to Date Expenditures (Project Only)**

	2016	2017	2018	2019	2020	2021
\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Available Cost Estimate:**

- Thorough Cost Estimate  2016  2017  2018  2019  2020  2021
- Limited Information  2016  2017  2018  2019  2020  2021
- Based on Cost of Similar Projects  2016  2017  2018  2019  2020  2021
- Unsupported  2016  2017  2018  2019  2020  2021

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: 01/01/16

Estimated Completion Date: \_\_\_\_\_

Department Head Signature Carrie M. Lewis

Carrie M. Lewis

Prepared By/Phone Ext \_\_\_\_\_

Carrie M. Lewis/2801

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/20/2015
Project/Program:	2016 - 2021 Howard Plant Building Improvements	Current Request:	\$0
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$1,595,000
Dept Head:	Ghassan Korban, Commissioner		

**General Project/Program Description:**

This program relates to buildings on the campus of the Howard Water Treatment Plant to ensure that they will effectively house the critical elements of the treatment process.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
				Does the project directly reduce risks to people or property?
				Does the project directly promote improved health or safety?
				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
				Does the project address a legislative, regulatory or court-ordered mandate?
				Does the project promote long-term regulatory compliance?
				Will there be a serious negative impact on the City if compliance is not achieved?
				Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
				What return on investment will this project generate?
				What is the expected payback period for this project?
				Does the project minimize life-cycle costs?
				Will the facility require additional personnel to operate?
				Will the project lead to a reduction in operating costs?
				Will the project lead to increased productivity or service improvements?
				Will the facility require significant annual maintenance?
				included in the project budget?
				Is there a revenue generating opportunity? (e.g. user fees)
				Will the project result in a reduction in energy use?
				Does the project involve specific energy reduction strategies or features?
				Will this project cause disruptions to regular city operations?
				Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: 2016 - 2021 Howard Plant Building Improvements

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - <i>Comprehensive Area Plans adopted by the Common</i>
				applicable Comprehensive Plan, special study, survey, committee or board?
				Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
				Does the project increase or enhance recreational opportunities and/or green space?
				Will the project mitigate blight?
				Does the project target the quality of life of all citizens?
				Does the project preserve or improve the historical or natural heritage of the City?
				Is the project consistent with established community character?
				responsible manner?
				pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - <i>Primarily recurring infrastructure and facility preservation programs .</i>
				How does the request affect the replacement cycle? Provide specifics below.
				Has the facility being replaced exceeded its useful life?
				Does this project extend the useful life of an existing facility?
				Do maintenance costs exceed replacement costs?
				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
				Does the project incorporate new technology that will provide enhanced service?
				Does the project extend service for new development or redevelopment?
				Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
				is desired?
				developed area?
				Is the net impact of the project positive?
				Would an alternate location for this project provide a greater positive economic impact?
				Will the project produce desirable jobs in the City?
				Will the project rejuvenate an area that needs assistance?
				Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
				lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private
				Are there critical timing issues associated with this project?
				Are there inter-jurisdictional considerations?
				Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				

**CITY OF MILWAUKEE**

**2016-2021**

**HOWARD PLANT TREATMENT IMPROVEMENTS**

**DEPARTMENT OF PUBLIC WORKS**  
Milwaukee Water Works

# Capital Improvement Request Form Part I

Project/Program Title: 2016 - 2021 Howard Plant Treatment Improvements Requesting Department: DPW/Milwaukee Water Works

Prepared By/Phone Ext: Carrie M. Lewis/2801 Department Head Signature: *[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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  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. 1) The current in-line rapid mixers are failing at the Howard Avenue Treatment Plant. Analysis of current processes are needed in order to find a proposed rapid mix system that will provide better reliability, less maintenance costs, the same or increased capacity, and better process control at a reduced head loss compared to the existing arrangement.

G) Additional Comments

2). Flocculator bearings and shafts are nearing the end of their useful life and need to be replaced. The flocculator shaft and bearing replacements at Howard will begin in 2016 in a four year project.

3) Sodium Hypochlorite reacts with and deteriorates the walls of the holding tanks. These tanks require repairs and fiberglass patching on an annual basis to remain in service. A lining of these tanks would provide a protective barrier between the SHC and the tank wall. This would reduce the maintenance cost and the down-time for taking the tanks out of service to conduct repairs. The first year of this budgeting is for analysis and design with construction in 2017.

## Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works

Project/Program Title: 2016 - 2021 Howard Plant Treatment Improvements

Account No: 04206410R999

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$750,000	\$750,000
2017 Projection					\$1,350,000	\$1,350,000
2018 Projection					\$550,000	\$550,000
2019 Projection					\$550,000	\$550,000
2020 Projection					\$0	\$0
2021 Projection					\$1,000,000	\$1,000,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$4,200,000	\$4,200,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$4,200,000	\$4,200,000

**Life to Date Expenditures (Project Only)**

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

Thorough Cost Estimate	2016	2017	2018	2019	2020	2021
Limited Information	<input type="checkbox"/>					
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>					
Unsupported	<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: 01/01/16

Estimated Completion Date: \_\_\_\_\_

Department Head Signature *Cud*



Prepared By/Phone Ext

Carrie M. Lewis/2801

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/20/2015
Project/Program:	2016 - 2021 Howard Plant Treatment Improvements		
Prepared By:	Carrie M. Lewis, Superintendent	Current Request:	\$750,000
Dept Head:	Ghassan Korban, Commissioner	6 Yr Total:	\$4,200,000

**General Project/Program Description:**  
 This program continues with Milwaukee Water Works capital improvements plans of upgrading and replacing systems necessary for the water purification process

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
	X			Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	X			Does the project address a legislative, regulatory or court-ordered mandate?
		X		Does the project promote long-term regulatory compliance?
		X		Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
X				Will the project lead to a reduction in operating costs?
X				Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
	X			Will the project result in a reduction in energy use?
	X			Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: 2016 - 2021 Howard Plant Treatment Improvements

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common
		X		applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		responsible manner?
		X		pollution including noise and/or light pollution)?

Comments / Other Considerations:

Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?

Comments / Other Considerations:

Yes	No	N/A	Amount	Economic / Community Development
		X		is desired?
		X		developed area?
		X		Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?

Comments / Other Considerations:

Yes	No	N/A	Amount	Special Considerations
	X			lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?

Comments / Other Considerations:

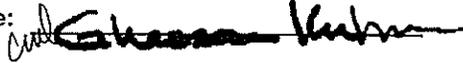
**CITY OF MILWAUKEE**

**2016-2021**

**PUMP FACILITIES IMPROVEMENTS**

**DEPARTMENT OF PUBLIC WORKS**  
Milwaukee Water Works

# Capital Improvement Request Form Part I

Project/Program Title: 2016 - 2021 Pump Facilities Improvements Requesting Department: DPW/Milwaukee Water Works  
 Prepared By/Phone Ext: Carrie M. Lewis/2801 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

Energy Efficiency Candidate  Yes  No

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
Please See Attached	_____	_____	\$ _____
BMD-52 Water Eng A.xls	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

Milwaukee Water Works' two purification plants - Howard Avenue and Linnwood - rely upon various pumping facilities located throughout the system. This Program allows Milwaukee Water Works to upgrade and/or replace various aspects (eg. 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. 1) The Howard Ave Plant Substation/Switchgear is the construction project that will replace the aging and obsolete outdoor sub-station with a new and energy efficient metal-clad weatherproof switchgear and retrofit the existing 4160-volt switchgear located in the Howard Plant pump room mezzanine area. 2) The North Point Pumping Station is supplied with drinking water from the Linnwood Water Treatment Plant via a concrete tunnel. The tunnel was last inspected in 1962 to comply with a Wisconsin Department of Natural Resources. Therefore, the tunnel inspection and any repairs are to comply with a WIDNR Sanitary Survey order that the tunnel be inspected again. This authority will allow engineering and specification preparation of the work in 2017.

G) Additional Comments

\_\_\_\_\_

# Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works Account No: 04206410R999  
 Project/Program Title: 2016 - 2021 Pump Facilities Improvements

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$3,200,000	\$3,200,000
2017 Projection					\$2,500,000	\$2,500,000
2018 Projection					\$2,850,000	\$2,850,000
2019 Projection					\$5,200,000	\$5,200,000
2020 Projection					\$4,500,000	\$4,500,000
2021 Projection					\$2,500,000	\$2,500,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$20,750,000	\$20,750,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$20,750,000	\$20,750,000

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2016	2017	2018	2019	2020	2021
Limited Information	<input type="checkbox"/>					
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>					
Unsupported	<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: 01/01/16

Estimated Completion Date: \_\_\_\_\_

Department Head Signature

*Carrie M. Lewis*

Prepared By/Phone Ext

Carrie M. Lewis/2801

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/20/2015
Project/Program:	2016 - 2021 Pump Facilities Improvements		
Prepared By:	Carrie M. Lewis, Superintendent	Current Request:	\$3,200,000
Dept Head:	Ghassan Korban, Commissioner	6 Yr Total:	\$20,750,000

**General Project/Program Description:**

Milwaukee Water Works' two purification plants - Howard Avenue and Linnwood - rely upon various pumping facilities located throughout the system. This Program allows Milwaukee Water Works to upgrade and/or replace various aspects (eg. 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.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
	X			Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
Project Specific				Does the project address a legislative, regulatory or court-ordered mandate?
		X		Does the project promote long-term regulatory compliance?
		X		Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
X				Will the project lead to a reduction in operating costs?
X				Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
	X			Will the project result in a reduction in energy use?
	X			Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: 2016 - 2021 Pump Facilities Improvements

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common
		X		applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		responsible manner?
		X		pollution including noise and/or light pollution)?

Comments / Other Considerations:

Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?

Comments / Other Considerations:

Yes	No	N/A	Amount	Economic / Community Development
		X		is desired?
		X		developed area?
		X		Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?

Comments / Other Considerations:

Yes	No	N/A	Amount	Special Considerations
	X			lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?

Comments / Other Considerations:

**CITY OF MILWAUKEE**

**2016-2021**

**STORAGE FACILITIES IMPROVEMENTS**

**DEPARTMENT OF PUBLIC WORKS**  
Milwaukee Water Works

# Capital Improvement Request Form Part I

Project/Program Title: 2016 - 2021 Storage Facilities Improvements Requesting Department: DPW/Milwaukee Water Works  
 Prepared By/Phone Ext: Carrie M. Lewis/2801 Department Head Signature: *Carrie M. Lewis*  
 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 Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

Milwaukee Water Works' two purification plants - Howard Avenue and Linnwood - rely upon various storage facilities located throughout the system. This program allows for evaluation, eliminating or enhancing the storage capacity for the system. 1) Two 6.0 MG steel above ground water tanks, constructed in 1956 and 1957 are located at the Milwaukee Water Works Lincoln Pumping Station. The Lincoln Station storage tanks and booster pump station allows the MWW Utility to place a large volume of water in reserve and available during peak demand cycles. The station supports the customers within the Milwaukee Water Works Riverside Pressure District, the four Booster Districts that feed off of the Riverside District and all of the MWW's Suburban wholesale and retail customers.

G) Additional Comments

These two tanks are exhibiting corrosion throughout their structures. The 2013 Wisconsin DNR, per the Wisconsin Administration Code, s. NR 810.14, has identified these as needing to be painted in order to preserve their integrity, avoid costly repair projects, and prolong their useful lives. The West tank is being painted in 2015, this authority will allow the East Tank to be painted and have a cathodic protection system installed on both tanks.

# Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works Account No: 04206410R999  
 Project/Program Title: 2016 - 2021 Storage Facilities Improvements

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$2,000,000	\$2,000,000
2017 Projection					\$1,400,000	\$1,400,000
2018 Projection					\$3,600,000	\$3,600,000
2019 Projection					\$0	\$0
2020 Projection					\$0	\$0
2021 Projection					\$0	\$0
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$7,000,000	\$7,000,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$7,000,000	\$7,000,000

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

Available Cost Estimate:

Thorough Cost Estimate      2016       2017       2018       2019       2020       2021

Limited Information      2016       2017       2018       2019       2020       2021

Based on Cost of Similar Projects      2016       2017       2018       2019       2020       2021

Unsupported      2016       2017       2018       2019       2020       2021

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: 01/01/16

Estimated Completion Date: \_\_\_\_\_

Department Head Signature:    
 Prepared By/Phone Ext: Carrie M. Lewis/2801

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/20/2015
Project/Program:	2016 - 2021 Storage Facilities Improvements		
Prepared By:	Carrie M. Lewis, Superintendent	Current Request:	\$2,000,000
Dept Head:	Ghassan Korban, Commissioner	6 Yr Total:	\$5,000,000

**General Project/Program Description:**  
 Milwaukee Water Works' two purification plants - Howard Avenue and Linnwood - rely upon various storage facilities located throughout the system. This program allows for evaluation, eliminating or enhancing the storage capacity for the system.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
X				Does the project directly reduce risks to people or property?
X				Does the project directly promote improved health or safety?
	X			Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
	X			Does the project address a legislative, regulatory or court-ordered mandate?
		X		Does the project promote long-term regulatory compliance?
		X		Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
	X			Will the facility require additional personnel to operate?
X				Will the project lead to a reduction in operating costs?
X				Will the project lead to increased productivity or service improvements?
	X			Will the facility require significant annual maintenance?
	X			included in the project budget?
	X			Is there a revenue generating opportunity? (e.g. user fees)
	X			Will the project result in a reduction in energy use?
	X			Does the project involve specific energy reduction strategies or features?
	X			Will this project cause disruptions to regular city operations?
	X			Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: 2016 - 2021 Storage Facilities Improvements

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common
		X		applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		responsible manner?
		X		pollution including noise and/or light pollution)?

Comments / Other Considerations:

Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
X				Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
X				Will this project improve the functionality or service life of other related infrastructure?

Comments / Other Considerations:

Yes	No	N/A	Amount	Economic / Community Development
		X		is desired?
		X		developed area?
		X		Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?

Comments / Other Considerations:

Yes	No	N/A	Amount	Special Considerations
	X			lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private
	X			Are there critical timing issues associated with this project?
	X			Are there inter-jurisdictional considerations?
	X			Can you quantify the impacts of a delay in this project?

Comments / Other Considerations:

**CITY OF MILWAUKEE**

**2016-2021**

**METER FACILITIES IMPROVEMENTS**

DEPARTMENT OF PUBLIC WORKS  
Milwaukee Water Works

# Capital Improvement Request Form Part I

Project/Program Title: 2016 - 2021 Meter Repair Shop  
 Prepared By/Phone Ext: Carrie M. Lewis/2801  
 Account No: 04206410R999

Requesting Department: DPW/Milwaukee Water Works  
 Department Head Signature: *G. Kuhn*

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

Energy Efficiency Candidate  Yes  No

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  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

This Program allows for improvements to the operations associated with the Milwaukee Water Works Business Sections's Water Meter Services. There is no requested authority for 2016.

G) Additional Comments

# Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works Account No: 04206410R999  
 Project/Program Title: 2016 - 2021 Meter Repair Shop

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$0	\$0
2017 Projection					\$125,000	\$125,000
2018 Projection					\$175,000	\$175,000
2019 Projection					\$300,000	\$300,000
2020 Projection					\$0	\$0
2021 Projection					\$0	\$0
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$600,000	\$600,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$600,000	\$600,000

**Life to Date Expenditures (Project Only)**

	2016	2017	2018	2019	2020	2021
Available Cost Estimate:						
Thorough Cost Estimate	<input type="checkbox"/>					
Limited Information	<input type="checkbox"/>					
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>					
Unsupported	<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: 01/01/16

Estimated Completion Date: \_\_\_\_\_

Department Head Signature: 

Prepared By/Phone Ext: \_\_\_\_\_

Carrie M. Lewis/2801

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/20/2015
Project/Program:	2016 - 2021 Meter Repair Shop	Current Request:	\$0
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$600,000
Dept Head:	Ghassan Korban, Commissioner		

**General Project/Program Description:**  
 This Program allows for improvements to the operations associated with the Milwaukee Water Works Business Sections's Water Meter Services.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
				Does the project directly reduce risks to people or property?
				Does the project directly promote improved health or safety?
				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
				Does the project address a legislative, regulatory or court-ordered mandate?
				Does the project promote long-term regulatory compliance?
				Will there be a serious negative impact on the City if compliance is not achieved?
				Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
				What return on investment will this project generate?
				What is the expected payback period for this project?
				Does the project minimize life-cycle costs?
				Will the facility require additional personnel to operate?
				Will the project lead to a reduction in operating costs?
				Will the project lead to increased productivity or service improvements?
				Will the facility require significant annual maintenance?
				included in the project budget?
				Is there a revenue generating opportunity? (e.g. user fees)
				Will the project result in a reduction in energy use?
				Does the project involve specific energy reduction strategies or features?
				Will this project cause disruptions to regular city operations?
				Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: 2016 - 2021 Meter Repair Shop

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	<b>Compliance with Area Plans - Comprehensive Area Plans adopted by the Common</b>
				applicable Comprehensive Plan, special study, survey, committee or board?
				Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
				Does the project increase or enhance recreational opportunities and/or green space?
				Will the project mitigate blight?
				Does the project target the quality of life of all citizens?
				Does the project preserve or improve the historical or natural heritage of the City?
				Is the project consistent with established community character?
				responsible manner?
				pollution including noise and/or light pollution)?

Comments / Other Considerations:

Yes	No	N/A	Amount	<b>Infrastructure - Primarily recurring infrastructure and facility preservation programs</b>
				How does the request affect the replacement cycle? Provide specifics below.
				Has the facility being replaced exceeded its useful life?
				Does this project extend the useful life of an existing facility?
				Do maintenance costs exceed replacement costs?
				Have you documented the past cost of unplanned or corrective maintenance related to the facility?
				Does the project incorporate new technology that will provide enhanced service?
				Does the project extend service for new development or redevelopment?
				Will this project improve the functionality or service life of other related infrastructure?

Comments / Other Considerations:

Yes	No	N/A	Amount	<b>Economic / Community Development</b>
				is desired?
				developed area?
				Is the net impact of the project positive?
				Would an alternate location for this project provide a greater positive economic impact?
				Will the project produce desirable jobs in the City?
				Will the project rejuvenate an area that needs assistance?
				Will the project promote the equitable distribution of the costs and benefits of development?

Comments / Other Considerations:

Yes	No	N/A	Amount	<b>Special Considerations</b>
				lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private
				Are there critical timing issues associated with this project?
				Are there inter-jurisdictional considerations?
				Can you quantify the impacts of a delay in this project?

Comments / Other Considerations:

**CITY OF MILWAUKEE**

**2016-2021**

**CAPITAL PROJECTS CONTINGENCIES**

DEPARTMENT OF PUBLIC WORKS  
Milwaukee Water Works

# Capital Improvement Request Form Part I

2016 - 2021 Capital Projects  
Contingencies

Project/Program Title:

Requesting Department:

DPW/Milwaukee Water Works

Prepared By/Phone Ext:

Carrie M. Lewis/2801

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 Energy Efficiency Candidate  Yes  No

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	\$
Please See Attached	_____	_____	_____	_____
BMD-52 Water Eng A.xls	_____	_____	_____	_____

E) In Six Year Capital Improvement Plan

Yes  2014-2019  2015-2020  Yes, Modified  New Request

F) Project/Program Justification

Contingency authority to be available for unexpected needs.

G) Additional Comments

# Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works Account No: 04206410R999  
 Project/Program Title: 2016 - 2021 Capital Projects Contingencies

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2016 Budget Request					\$2,000,000	\$2,000,000
2017 Projection					\$2,000,000	\$2,000,000
2018 Projection					\$2,000,000	\$2,000,000
2019 Projection					\$2,000,000	\$2,000,000
2020 Projection					\$2,000,000	\$2,000,000
2021 Projection					\$2,000,000	\$2,000,000
<b>Total Six Year Cost</b>	\$0	\$0	\$0	\$0	\$12,000,000	\$12,000,000
<b>Total Project Cost</b>	\$0	\$0	\$0	\$0	\$12,000,000	\$12,000,000

**Life to Date Expenditures (Project Only)**

	2016	2017	2018	2019	2020	2021
Available Cost Estimate:						
Thorough Cost Estimate	<input type="checkbox"/>					
Limited Information	<input type="checkbox"/>					
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>					
Unsupported	<input type="checkbox"/>					

- Were cost estimates confirmed by another source?  
 Are cost estimates based on industry standards?  
 Will city employees be performing any portion of the work?  
 Did you perform a cost/benefit analysis?

How will this project impact city operating expenditures?

Increase     Decrease     None

Estimated Start Date: 01/01/16  
 Estimated Completion Date: \_\_\_\_\_

Department Head Signature: *Sharon Kuhn*  
 Prepared By/Phone Ext: Carrie M. Lewis/2801

## CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/20/2015
Project/Program:	2016 - 2021 Capital Projects Contingencies		
Prepared By:	Carrie M. Lewis, Superintendent	Current Request:	\$2,000,000
Dept Head:	Ghassan Korban, Commissioner	6 Yr Total:	\$12,000,000

**General Project/Program Description:**  
 This program relates to buildings on the campus of the Linnwood Water Treatment Plant to ensure that they will effectively house the critical elements of the treatment process.

*Whenever possible, please quantify the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.*

Yes	No	N/A	Amount	Health & Safety
				Does the project directly reduce risks to people or property?
				Does the project directly promote improved health or safety?
				Does the project mitigate an immediate risk?

Comments / Other Considerations:

Yes	No	N/A	Amount	Regulatory Compliance
				Does the project address a legislative, regulatory or court-ordered mandate?
		X		Does the project promote long-term regulatory compliance?
		X		Will there be a serious negative impact on the City if compliance is not achieved?
		X		Are there other ways to mitigate the regulatory concern?

Comments / Other Considerations:

Yes	No	N/A	Amount	Impact on Operational / Capital Budget
		X		What return on investment will this project generate?
		X		What is the expected payback period for this project?
		X		Does the project minimize life-cycle costs?
				Project Specific: Will the facility require additional personnel to operate?
				Project Specific: Will the project lead to a reduction in operating costs?
				Project Specific: Will the project lead to increased productivity or service improvements?
				Project Specific: Will the facility require significant annual maintenance?
				Project Specific: included in the project budget?
				Project Specific: Is there a revenue generating opportunity? (e.g. user fees)
				Project Specific: Will the project result in a reduction in energy use?
				Project Specific: Does the project involve specific energy reduction strategies or features?
				Project Specific: Will this project cause disruptions to regular city operations?
				Project Specific: Are there other potential costs associated with this project that are not addressed above?

Comments / Other Considerations:

## CIC - Capital Improvement Request Part III (cont'd)

Project/Program: 2016 - 2021 Capital Projects Contingencies

Whenever possible, please quantify / describe the impact of the project in either the amount column or the comment section of each area. Supporting documentation does not need to be submitted with the request but should be available upon request. Please see Capital Guidelines for detailed descriptions of each area of emphasis and additional considerations.

Yes	No	N/A	Amount	Compliance with Area Plans - Comprehensive Area Plans adopted by the Common
		X		applicable Comprehensive Plan, special study, survey, committee or board?
		X		Does the project increase or enhance educational opportunities for City of Milwaukee citizens?
		X		Does the project increase or enhance recreational opportunities and/or green space?
		X		Will the project mitigate blight?
		X		Does the project target the quality of life of all citizens?
		X		Does the project preserve or improve the historical or natural heritage of the City?
		X		Is the project consistent with established community character?
		X		responsible manner?
		X		pollution including noise and/or light pollution)?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Infrastructure - Primarily recurring infrastructure and facility preservation programs
		X		How does the request affect the replacement cycle? Provide specifics below.
		X		Has the facility being replaced exceeded its useful life?
		X		Does this project extend the useful life of an existing facility?
		X		Do maintenance costs exceed replacement costs?
		X		Have you documented the past cost of unplanned or corrective maintenance related to the facility?
		X		Does the project incorporate new technology that will provide enhanced service?
		X		Does the project extend service for new development or redevelopment?
		X		Will this project improve the functionality or service life of other related infrastructure?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Economic / Community Development
		X		is desired?
		X		developed area?
		X		Is the net impact of the project positive?
		X		Would an alternate location for this project provide a greater positive economic impact?
		X		Will the project produce desirable jobs in the City?
		X		Will the project rejuvenate an area that needs assistance?
		X		Will the project promote the equitable distribution of the costs and benefits of development?
<u>Comments / Other Considerations:</u>				
Yes	No	N/A	Amount	Special Considerations
		X		lost if not used immediately (e.g. proffers, grants through various federal or state initiatives, and private
		X		Are there critical timing issues associated with this project?
		X		Are there inter-jurisdictional considerations?
		X		Can you quantify the impacts of a delay in this project?
<u>Comments / Other Considerations:</u>				