

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 Kuhn*

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 2015-2020 2016-2021 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: BU110121000

Year	Special Assessment			Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	
Remaining Balance for 2016				\$0
2017 Budget Request	\$6,725,000			\$6,725,000
2018 Projection	\$13,776,000			\$13,776,000
2019 Projection	\$13,776,000			\$13,776,000
2020 Projection	\$14,850,000			\$14,850,000
2021 Projection	\$14,700,000			\$14,700,000
2022 Projection	\$14,950,000			\$14,950,000
Total Six Year Cost	\$78,777,000	\$0	\$0	\$78,777,000
Total Project Cost	\$78,777,000	\$0	\$0	\$78,777,000

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2017	2018	2019	2020	2021	2022
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 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: 01/01/17

Estimated Completion Date: 12/31/22

Department Head Signature



Prepared By/Phone Ext

Chuck Schumacher x3271

CIC - Capital Improvement Request Part III

Department: DPW - Operations - Fleet	Date Submitted: 3/17/2017
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	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:				
This is for vehicles, no area plan implications.				
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 project does not include a facility.				
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:				
The project does not directly effect economic or community 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. profers, 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:				
None, where applicable, grant funding is used for alternative fuels, but no specific grant is known at this time.				

**2017 Capital Budget
(2016 Level)**

3/16/2016

2017 Capital Fleet Request - 2016 Level

<u>Equipment Name</u>	<u>Units</u>	<u>Cost Each</u>	<u>Dollars</u>
Backhoe/Loader	1	130,000	130,000
Sweeper	2	223,000	446,000
Tractor Light, Multi-Purpose	4	110,000	440,000
Tractor, Front-End Wheel Loader	2	155,000	310,000
Truck, Aerial, 50 Ft. Utility Body	1	180,000	180,000
Truck, Digger-Derrick	1	231,000	231,000
Truck, Dump, 2 Yard w/Crane	4	52,000	208,000
Truck, Dump, 5 Yard	2	120,000	240,000
Truck, Dump, 5 Yard w/Underbody Plow	7	170,000	1,190,000
Truck, Dump, 16 Yard Tri-Axle	2	160,000	320,000
Truck, Dump, 24 Yard Chip Body	2	110,000	220,000
Truck, Log Loader	1	170,000	170,000
Truck, Packer, 25 Yard Rearload/Recycle	7	292,000	2,044,000
Truck, Platform/Compressor	3	82,000	246,000
Truck, Roll-Off	2	175,000	350,000
2016 Level for 2017			6,725,000

The **2016 Total** figure reflects an amount that will slightly increase the age of the Capital fleet vehicles. Older vehicles require more maintenance and repairs, and experience exponentially higher downtime, which affects the delivery of City services.

Optimal average age expected using desired replacement schedule - **6.0** years

Current average age of capital equipment - ____ **years**.

Estimated average age of capital equipment based on above funding level - ____ **years**

**2017 Capital Budget
(Priority 2)**

3/16/2016

2017 Capital Fleet Request - Priority 2

<u>Equipment Name</u>	<u>Units</u>	<u>Cost Each</u>	<u>Dollars</u>
Backhoe/Loader	1	130,000	130,000
Chipper, Brush	2	55,000	110,000
Sweeper	2	223,000	446,000
Tractor Light, Multi-Purpose	5	110,000	550,000
Tractor, Front-End Wheel Loader	3	155,000	465,000
Truck, Aerial, 50 Ft. Utility Body	1	180,000	180,000
Truck, Aerial, 50 Ft., Chip Box	1	185,000	185,000
Truck, Digger-Derrick	1	220,000	220,000
Truck, Dump, 2 Yard w/Crane	6	52,000	312,000
Truck, Dump, 2 Yard w/Compressor	1	120,000	120,000
Truck, Dump, 5 Yard	2	120,000	240,000
Truck, Dump, 5 Yard w/Underbody Plow	8	170,000	1,360,000
Truck, Dump, 16 Yard Tri-Axle	2	160,000	320,000
Truck, Dump, 24 Yard Chip Body	2	110,000	220,000
Truck, Log Loader	1	170,000	170,000
Truck, Packer, 25 Yard Rearload/Recycle	7	292,000	2,044,000
Truck, Platform/Compressor	3	82,000	246,000
Truck, Roll-Off	2	175,000	350,000
Truck, Step Van	2	120,000	240,000
Priority 2 Total 2017			7,318,000

The **Priority 2 Level** figure reflects an amount that will slightly increase the age of the Capital fleet vehicles. Older vehicles require more maintenance and repairs, and experience increased downtime, which affect the delivery of City services.

Optimal average age expected using desired replacement schedule - **6.0** years

Current average age of capital equipment - ____ years.

Estimated average age of capital equipment based on above funding level - ____ years

**2017 Capital Budget
(Priority 1)**

3/16/2016

2017 Capital Fleet Request - Priority 1

Equipment Name	Units	Cost Each	Dollars
Backhoe/Loader	1	130,000	130,000
Chipper, Brush	2	55,000	110,000
Stump Cutter	1	55,000	55,000
Sweeper	3	223,000	669,000
Tractor Light, Multi-Purpose	4	110,000	440,000
Tractor, Front-End Wheel Loader	2	155,000	310,000
Truck, Aerial, 50 Ft. Utility Body	1	180,000	180,000
Truck, Aerial, 50 Ft., Chip Box	1	185,000	185,000
Truck, Digger-Derrick	1	220,000	220,000
Truck, Dump, 2 Yard w/Crane	6	52,000	312,000
Truck, Dump, 2 Yard w/Compressor	1	120,000	120,000
Truck, Dump, 5 Yard	2	120,000	240,000
Truck, Dump, 5 Yard w/Underbody Plow	8	170,000	1,360,000
Truck, Dump, 16 Yard Tri-Axle	2	160,000	320,000
Truck, Dump, 24 Yard Chip Body	2	110,000	220,000
Truck, Log Loader	1	170,000	170,000
Truck, Packer, 25 Yard Rearload/Recycle	8	292,000	2,336,000
Truck, Platform/Compressor	3	82,000	246,000
Truck, Roll-Off	2	175,000	350,000
Truck, Step Van	2	120,000	240,000

Priority 1 Total 2017**8,213,000**

The **Priority 1 Total** figure reflects an amount needed to gradually reduce the average age of capital vehicles toward a more manageable optimal age with less downtime. Older vehicles require more maintenance and repairs, and experience much higher downtime, which affect the delivery of City services.

Optimal average age expected using desired replacement schedule - **6.0** years

Current average age of capital equipment - _____ years.

Estimated average age of capital equipment based on above funding level - _____ years

**2017 Capital Budget
(Preferred)**

3/16/2016

2017 Capital Fleet Request - Preferred

Equipment Name	Units	Cost Each	Dollars
Backhoe/Loader	2	130,000	260,000
Chipper, Brush	3	55,000	165,000
Stump Cutter	1	55,000	55,000
Sweeper	4	223,000	892,000
Tractor Light, Multi-Purpose	6	110,000	660,000
Tractor, Front-End Wheel Loader	2	155,000	310,000
Truck, Aerial, 50 Ft. Utility Body	1	180,000	180,000
Truck, Aerial, 50 Ft., Chip Box	1	185,000	185,000
Truck, Digger-Derrick	1	220,000	220,000
Truck, Dump, 2 Yard w/Crane	6	52,000	312,000
Truck, Dump, 2 Yard w/Compressor	2	120,000	240,000
Truck, Dump, 5 Yard	4	120,000	480,000
Truck, Dump, 5 Yard, Crew Cab	2	120,000	240,000
Truck, Dump, 5 Yard w/Underbody Plow	10	170,000	1,700,000
Truck, Dump, 16 Yard Tri-Axle	4	160,000	640,000
Truck, Dump, 24 Yard Chip Body	4	110,000	440,000
Truck, Log Loader	1	170,000	170,000
Truck, Packer, 25 Yard Rearload/Recycle	10	292,000	2,920,000
Truck, Platform/Compressor	4	82,000	328,000
Truck, Platform Stake, Large	1	90,000	90,000
Truck, Roll-Off	4	175,000	700,000
Truck, Step Van	2	120,000	240,000

Preferred Total 2017

11,427,000

The **Capital Total-Preferred** figure reflects an amount needed to gradually reduce the average age of capital vehicles toward a more manageable optimal age with less downtime. Older vehicles require more maintenance and repairs, and experience much higher downtime, which affect the delivery of City services.

Optimal average age expected using desired replacement schedule - **6.0** years

Current average age of capital equipment - ____ years.

Estimated average age of capital equipment based on above funding level - ____ years

**2017 Capital Budget
(Starting Point)**

3/16/2016

2017 Capital Fleet Request - Starting Point

Equipment Name	Units	Cost Each	Dollars
Backhoe/Loader	2	130,000	260,000
Chipper, Brush	3	55,000	165,000
Crane, Sidewalk Excavator	-	300,000	-
Stump Cutter	1	55,000	55,000
Sweeper	4	223,000	892,000
Snow Blower, End Loader Attachment	-	84,000	-
Tractor, Crawler Bulldozer	-	160,000	-
Tractor Light, Multi-Purpose	6	110,000	660,000
Tractor, Front-End Wheel Loader	4	155,000	620,000
Tractor, Trencher w/Breaker, Trailer	1	55,000	55,000
Truck, Aerial, 30 Ft. Cargo Van Body	1	120,000	120,000
Truck, Aerial, 36 Ft. Step Van Body	-	170,000	-
Truck, Aerial, 50 Ft. Utility Body	1	180,000	180,000
Truck, Aerial, 50 Ft., Chip Box	1	185,000	185,000
Truck, Digger-Derrick	1	220,000	220,000
Truck, Dump, 2 Yard w/Crane	8	52,000	416,000
Truck, Dump, 2 Yard w/Compressor	1	120,000	120,000
Truck, Dump, 5 Yard	3	120,000	360,000
Truck, Dump, 5 Yard, Crew Cab	2	120,000	240,000
Truck, Dump, 5 Yard w/Underbody Plow	10	170,000	1,700,000
Truck, Dump, 16 Yard Tri-Axle	5	160,000	800,000
Truck, Dump, 24 Yard Chip Body	3	110,000	330,000
Truck, Fuel	-	175,000	-
Truck, Log Loader	1	170,000	170,000
Truck, Packer, 20 Yard Container	-	150,000	-
Truck, Packer, 25 Yard Rearload/Recycle	17	292,000	4,964,000
Truck, Packer, 27 Yard Automated Recycle	-	380,000	-
Truck, Packer, 31 Yard Top Load	1	265,000	265,000
Truck, Pickup, Utility	-	55,000	-
Truck, Platform/Compressor	3	82,000	246,000
Truck, Platform Stake, Large	1	90,000	90,000
Truck, Roll-Off	2	175,000	350,000
Truck, Road Patcher	1	250,000	250,000
Truck, Step Van	4	120,000	480,000
Truck, Vac-All	-	265,000	-
Truck, Wrecker, Heavy Equipment	1	250,000	250,000
Starting Point Total 2017			14,443,000

The **Starting Point** figure above represents the current pricing for equipment for the coming budgetary year, along with quantities of each equipment type that would normally be replaced during the cycle, if funding was sufficient. The equipment not selected with a quantity number

**2017 Capital Budget
(Starting Point)**

is not recommended for replacement during the upcoming budget year.

Optimal average age expected using desired replacement schedule - **6.0** years

Current average age of capital equipment - ____ **years**.

Estimated average age of capital equipment based on above funding level - ____ **years**

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: *Chelsea Kuhn*
 Account No: PR581080300

A) Department Priority 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 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
<u>Irrigation Professionals</u>	<u>2</u>	<u>1.5</u>	<u>\$ 177,348</u>
<u>Urban Forestry Specialist</u>	<u>2</u>	<u>1.0</u>	<u>\$ 84,811</u>
<u>Urban Forestry Manager</u>	<u>3</u>	<u>1.0</u>	<u>\$ 144,875</u>

E) In Six Year Capital Improvement Plan
 Yes 2015-2020 2016-2021 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. A total of 118 deep taps are proposed for updating in 2017, including 42 taps on street segments proposed for major reconstruction, and up to 76 deep taps based on age and condition.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW-Operations-Forestry

Project/Program Title: Concealed Irrigation/General Landscaping

Account No.: PR581080300

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request	\$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
2022 Projection	\$500,000					\$500,000
Total Six Year Cost	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000
Total Project Cost	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- 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: 12/01/17

Department Head Signature

Charles Kuhn

Prepared By/Phone Ext

David Siwyer, X.3729

CIC - Capital Improvement Request Part III

Department:	Department of Public Works - Operations Division - Forestry	Date Submitted:	3/23/2016
Project/Program:	Concealed Irrigation and General Landscaping		
Prepared By:	David Sivyer	Current Request:	\$500,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$3,000,000

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. A total of 118 deep taps are proposed for updating in 2017, including 42 taps on street segments proposed for major reconstruction, and up to 76 deep taps based on age and condition.

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:

There is no health or safety risk associated.

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:

Boulevard irrigation water taps damaged by paving construction or replaced due to age and condition must be restored to current Wisconsin State Plumbing Codes.

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 deep taps are the supporting infrastructure of the boulevard irrigation system and replacement of aged deep taps and valves prevents leaks and more costly emergency repairs, while updating the plumbing to existing 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 is in conjunction with the City's Paving Program, and supports the 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:				
There is no facility affected. The irrigation infrastructure (deep water taps/valves) in the boulevards are replaced as streets are repaved, or conditions 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 trees, shrubs and flowers (perennials and annuals) planted on 120 miles of boulevards.				
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: Tree Planting and Production Requesting Department: DPW-Operations-Forestry
 Prepared By/Phone Ext: David Sivyer, X3729 Department Head Signature: *Gregory Kuhn*
 Account No: PR58180100

A) Department Priority 1 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 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 31 Total FTEs 13.0

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	6	3.0	\$ 266,146

E) In Six Year Capital Improvement Plan
 Yes 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

This request for 4,405 trees includes the replacement of 562 street trees removed in street construction projects completed in 2016, the replacement of 3,843 diseased or dead street trees removed in 2015. 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 4,359 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 12-18 months of removal; 8.7% are planted within 18- 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.

Capital Improvement Request Part II

Requesting Department: DPW-Operations-Forestry

Project/Program Title: Tree Planting and Production

Account No: PR58180100

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request	\$1,615,000					\$1,615,000
2018 Projection	\$1,700,000					\$1,700,000
2019 Projection	\$1,700,000					\$1,700,000
2020 Projection	\$1,700,000					\$1,700,000
2021 Projection	\$1,700,000					\$1,700,000
2022 Projection	\$1,700,000					\$1,700,000
Total Six Year Cost	\$10,115,000	\$0	\$0	\$0	\$0	\$10,115,000
Total Project Cost	\$10,115,000	\$0	\$0	\$0	\$0	\$10,115,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

- 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: 11/30/17

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:	3/23/2016
Project/Program:	Tree Planting and Production		
Prepared By:	David Sivyer	Current Request:	\$1,615,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$10,115,000

General Project/Program Description:

This request for 4,405 trees includes the replacement of 562 street trees removed in street construction projects completed in 2016, the replacement of 3,843 diseased or dead street trees removed in 2015. The Forestry section has identified a 98% street tree stocking goal and improved intra-block street tree diversity as short and long-term 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 - 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:				
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 - 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:				
Program replaces street trees (infrastructure) that has exceeded its useful life. Long-term maintenance costs exceeded 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: Stump Removal
 Prepared By/Phone Ext: David Sivyer X 3729
 Account No: PR58180700

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

A) Department Priority 4 of 4 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 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 _____ Total FTEs _____

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

E) In Six Year Capital Improvement Plan

Yes 2015-2020 2016-2021 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 2015 with a backlog of 2,427 stumps. Similarly, a stump backlog of 1,900 stumps is projected at the end of 2016. This request sustains a funding level sufficient to remove 1,818 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

Account No: PR58180700

Project/Program Title: Stump Removal

Special Assessment

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request	\$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
2022 Projection	\$500,000					\$500,000
Total Six Year Cost	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000
Total Project Cost	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000

Life to Date Expenditures (Project Only)

	2017	2018	2019	2020	2021	2022
Available Cost Estimate:						
Thorough Cost Estimate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were cost estimates confirmed by another source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Uncertain
Are cost estimates based on industry standards?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Uncertain
Will city employees be performing any portion of the work?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Uncertain
Did you perform a cost/benefit analysis?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Uncertain
How will this project impact city operating expenditures?	<input type="checkbox"/> Increase		<input type="checkbox"/> Decrease		<input checked="" type="checkbox"/> None	

Estimated Start Date: 03/01/17

Estimated Completion Date: 11/30/17

Department Head Signature: *Cherise Kuhn*

Prepared By/Phone Ext: David Siwyer X 3729

CIC - Capital Improvement Request Part III

Department:	Department of Public Works - Operations Division - Forestry	Date Submitted:	3/23/2016
Project/Program:	Stump Removal		
Prepared By:	David Sivyer	Current Request:	\$500,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$3,000,000

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 1 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 documente 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 projected backlog of 1900 stumps at the end of 2016 will adversely impact the Forestry Section's goals of replacing street trees within 1 year of removal.				

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: *Gabe...*
 Account No: PR58180600

A) Department Priority 2 of 4 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>
_____	_____	_____	<u>\$ _____</u>

E) In Six Year Capital Improvement Plan
 Yes 2015-2020 2016-2021 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. A comprehensive Milwaukee based cost-benefit study completed in 2015 estimates a \$3 structural and functional benefit return for every \$1 invested to protect Milwaukee's ash street tree canopy from Emerald Ash Borer.

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
Remaining Balance for 2016						\$0
2017 Budget Request	\$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
2022 Projection	\$1,000,000					\$1,000,000
Total Six Year Cost	\$6,000,000	\$0	\$0	\$0	\$0	\$6,000,000
Total Project Cost	\$6,000,000	\$0	\$0	\$0	\$0	\$6,000,000

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2017	2018	2019	2020	2021	2022
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 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: 05/01/17

Estimated Completion Date: 09/30/17

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:	3/23/2016
Project/Program:	Emerald Ash Borer Response	Current Request:	\$1,000,000
Prepared By:	David Sivyer	6 Yr Total:	\$6,000,000
Dept Head:	Ghassan Korban		

General Project/Program Description:

Milwaukee's 31,500 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 healthy 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 31,500 ash street trees is estimated at \$31 million. Any untreated street trees would be expected to die over a 6-8 year period. A Milwaukee based cost-benefit study completed in 2015 estimates a \$3 structural and functional benefit return for every \$1 invested to protect Milwaukee's ash street tree canopy from Emerald Ash Borer.

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	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 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.				
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 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).				
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:				
The project preserves the myriad of benefits afforded by a healthy street tree population, including neighborhood stability and community 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. profers, 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:				
The cost to remove and replace the city's 31,500 ash street trees is estimated at \$31 million. Any untreated street trees would be expected to die over a 6-8 year period. A Milwaukee based cost-benefit study completed in 2015 estimates a \$3 structural and functional benefit return for every \$1 invested to protect Milwaukee's ash street tree canopy from Emerald Ash Borer.				

Capital Improvement Request Form Part I

Project/Program Title: Industrial Road Relocation Planning and Design Requesting Department: DPW - Operations Administration
 Prepared By/Phone Ext: Chuck Schumacher x3271 Department Head Signature: *Calvin Kuhn*
 Account No: New

A) Department Priority 1 of 1 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 1

D) Total Positions _____ Total FTEs _____

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

E) In Six Year Capital Improvement Plan
 Yes 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification
 2017 - Contract out planning and design work necessary for relocation of the Industrial Road Sanitation and Forestry field facility. Direct Supply has initiated plans to expand its campus of buildings on Industrial Road, and will exercise its option to relocate the Sanitation and Forestry field facility currently located on Industrial road. This request to pursue planning and design work for the relocation.

G) Additional Comments
 ?

Capital Improvement Request Part II

Requesting Department: DPW - Operations Administration

Project/Program Title: Industrial Road Relocation Planning and Design

Account No: **New**

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request	\$1,100,000					\$1,100,000
2018 Projection						\$0
2019 Projection						\$0
2020 Projection						\$0
2021 Projection						\$0
2022 Projection						\$0
Total Six Year Cost	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000
Total Project Cost	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000

Life to Date Expenditures (Project Only)

2017	2018	2019	2020	2021	2022
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- 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: 01/01/17

Estimated Completion Date: 12/31/17

Department Head Signature



Prepared By/Phone Ext

Chuck Schumacher x3271

CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 3/10/2016
Project/Program: Industrial Road Relocation Planning and Design	
Prepared By: C Schumacher	Current Request: \$1,100,000
Dept Head: Ghassan Korban	6 Yr Total: \$1,100,000

General Project/Program Description:

2017 - Contract out planning and design work necessary for relocation of the Industrial Road Sanitation and Forestry field facility. Direct Supply has initiated plans to expand its campus of buildings on Industrial Road, and will exercise its option to relocate the Sanitation and Forestry field facility currently located on Industrial road. This request to pursue planning and design work for the relocation.

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: Industrial Road Relocation Planning and Design

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: Purchase and Install Brine Maker
 Prepared By/Phone Ext: Chuck Schumacher x3271
 Account No: BU110140800

Requesting Department: DPW - Operations
 Department Head Signature: *Gherson Kuhn*

A) Department Priority 1 of 1 Useful Life 15 Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program

Project/Program Scope Fully Defined Partially Defined

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

This request is part of a three year plan to purchase and install brine makers in each of the three areas of the City. 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. The 2015 capital plan funded \$275,000 for the purchase the first brine making unit. In the summer of 2014 the City successfully bid on a used brine maker sold by the City of Beliot. \$125,000 of the 2015 capital will go to instalation of that brine unit on the City's north side. The remaining \$150,000 of 2015 capital will be combined with the \$100,000 of the 2016 capital request to purchase and install a second new brine maker on the City's south side. The \$275,000 requested in 2017 will go to purchasing the thrid new brine maker that will be installed on the City's south side.

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.

Capital Improvement Request Part II

Requesting Department: DPW - Operations

Project/Program Title: Purchase and Install Brine Makers

Account No: BU110140800

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request	\$275,000					\$275,000
2018 Projection						\$0
2019 Projection						\$0
2020 Projection						\$0
2021 Projection						\$0
2022 Projection						\$0
Total Six Year Cost	\$275,000	\$0	\$0	\$0	\$0	\$275,000
Total Project Cost	\$275,000	\$0	\$0	\$0	\$0	\$275,000

Life to Date Expenditures (Project Only)

2017	2018	2019	2020	2021	2022
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

Were cost estimates confirmed by another source?

Are cost estimates based on industry standards?

Will city employees be performing any portion of the work?

Did you perform a cost/benefit analysis?

- Yes No Uncertain
- Yes No Uncertain
- Yes No Uncertain
- Yes No Uncertain

How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: Spring 2017

Estimated Completion Date: Fall 2017

Department Head Signature

Prepared By/Phone Ext

Chuck Schumacher x3271

CIC - Capital Improvement Request Part III

Department:	DPW - Parking Fund <i>Operations Div</i>	Date Submitted:	3/10/2016
Project/Program:	Purchase and Install Brine Maker	Current Request:	\$275,000
Prepared By:	C Schumacher	6 Yr Total:	\$275,000
Dept Head:	Ghassan Korban		

General Project/Program Description:

This request is part of a three year plan to purchase and install brine makers in each of the three areas of the City. 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. The 2015 capital plan funded \$275,000 for the purchase the first brine making unit. In the summer of 2014 the City successfully bid on a used brine maker sold by the City of Beliot. \$125,000 of the 2015 capital will go to installation of that brine unit on the City's north side. The remaining \$150,000 of 2015 capital will be combined with the \$100,000 of the 2016 capital request to

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: 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)?
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:				

**Requested
2017 CAPITAL BUDGET
DPW-ISD-B&B**

March 14, 2016

Capital Program Description				Budget
1. Environmental Program				\$150,000
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	
2. ADA Compliance Program				\$2,000,000
A.	DOJ recommendations		\$2,000,000	
B.	Rec. Fac. Unprogrammed		\$0	
C.				
D.				
3. Recreational Facilities				\$250,000
A.	MKE Plays		\$250,000	
4. Facilities Exterior Program				\$600,000
A.	Building Envelope		\$400,000	
B.	RA Anderson Tank (Construction Repairs)		\$0	
C.	Roof Replacements		\$0	
D.	Safety Academy Stained Glass Facade		\$0	
E.	Pavement Repairs		\$0	
F.	Overhead Door Replacement		\$0	
G.	Various Sites-Emergency Repairs		\$200,000	
5. Facilities Systems Program				\$1,075,000
A.	Transfer Stations - Sprinkler systems		\$200,000	
B.	Nursery Greenhouse - New Lexan Polycarbonate Panels		\$75,000	
C.	Safety Academy furnaces		\$100,000	
D.	Fire Life Safety		\$100,000	
E.	Building Automation Systems (BAS)		\$100,000	
F.	Various Sites - CCTV and Access Control Upgrades		\$100,000	
G.	Various Sites - Emergency Mechanical Repairs		\$200,000	
H.	Various Sites - Emergency Electrical Repairs		\$200,000	
6. Space Planning Alterations and Engineering				\$400,000
A.	Space Planning		\$200,000	
B.	General Office Remodeling		\$50,000	
C.	General Engineering and Facilities Inspection		\$150,000	
Capital Program Sub-Total				\$4,475,000
Special Project Description				
SP-1	City Hall Foundation		\$13,000,000	\$13,000,000
SP_2	North Point Lake Tower Restoration		\$340,000	\$340,000
			\$0	\$0
			\$0	\$0
Special Projects Sub-Total				\$13,340,000
Facilities Development & Management TOTAL				\$17,815,000

Capital Improvement Request Form Part I

Project/Program Title: Space Planning, Alterations and Engineering
 Prepared By/Phone Ext: Bridges and Buildings - Ext. 3295
 Account No: BU110010800

Requesting Department: DPW/Infrastructure - Bridges and Buildings
 Department Head Signature: *Chelsea Kuhn*

A) Department Priority 5 of 6 Useful Life 20 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 4 Total FTEs 2.9

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>4</u>	<u>2.9</u>	<u>\$ 210,000</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes 2015-2020 2016-2021 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
TOTAL	\$400,000

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure - Bridges and Buildings **Account No.:** BU110010800
Project/Program Title: Space Planning, Alterations and Engineering

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016	\$0					\$0
2017 Budget Request	\$400,000					\$400,000
2018 Projection	\$400,000					\$400,000
2019 Projection	\$400,000					\$400,000
2020 Projection	\$400,000					\$400,000
2021 Projection	\$400,000					\$400,000
2022 Projection	\$400,000					\$400,000
Total Six Year Cost	\$2,400,000	\$0	\$0	\$0	\$0	\$2,400,000
Total Project Cost	\$2,400,000	\$0	\$0	\$0	\$0	\$2,400,000

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2017	2018	2019	2020	2021	2022
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

Department Head Signature: 

CIC - Capital Improvement Request Part III

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

<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: Space Planning, Alterations and Engineering

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>				
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>				
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>				
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: Facilities Systems Program **Requesting Department:** Dpw/Infrastructure - Bridges and Buildings
Prepared By/Phone Ext: Bridges and Buildings - Ext. 3295 **Department Head Signature:** 
Account No: BU11091200

A) **Department Priority** 4 of 6 **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>1.0</u>	<u>\$ 101,250</u>
<u>Trades</u>	<u>2</u>	<u>0.7</u>	<u>\$ 53,000</u>
			\$ _____

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

Yes 2015-2020 2016-2021 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

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016	\$0					\$0
2017 Budget Request	\$1,075,000					\$1,075,000
2018 Projection	\$1,000,000					\$1,000,000
2019 Projection	\$1,250,000					\$1,250,000
2020 Projection	\$1,250,000					\$1,250,000
2021 Projection	\$1,250,000					\$1,250,000
2022 Projection	\$1,500,000					\$1,500,000
Total Six Year Cost	\$7,325,000	\$0	\$0	\$0	\$0	\$7,325,000
Total Project Cost	\$7,325,000	\$0	\$0	\$0	\$0	\$7,325,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information
- Based on Cost of Similar Projects
- Unsupported

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

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

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

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

Estimated Start Date: _____ In-Progress

Estimated Completion Date: _____ On-going

Department Head Signature

Ghassan Kaban

Prepared By/Phone Ext

Bridges and Buildings - Ext. 3295

CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:	3/24/2016
Project/Program:	Facilities Systems Program		
Prepared By:	Bridges and Buildings	Current Request:	\$1,015,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$7,325,000

<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: 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	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

DPW/Infrastructure - Bridges and Buildings

Project/Program Title: Environmental Program

Requesting Department: DPW/Infrastructure - Bridges and Buildings

Prepared By/Phone Ext: Bridges and Buildings - Ext. 3295

Department Head Signature: *Gregory Kuhn*

Account No: BU11091500

A) Department Priority 1 of 6 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 2015-2020 2016-2021 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 equipment as required by code for closed landfills and sites contaminated from past leaking underground storage tanks. This program is also used to provide monitoring equipment and replacement for petroleum storage tanks and dispensing equipment in order to avoid future contamination and as required by code. Additionally, the program supports the upgrades 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
Total	\$150,000

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure - Bridges and Buildings Account No: BU11091500
 Project/Program Title: Environmental Program

Year	Tax Levy/Borrowing		Grant & Aid		Revenue		Special Assessment		Enterprise		Total Cost
Remaining Balance for 2016	\$0										\$0
2017 Budget Request	\$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
2022 Projection	\$250,000										\$250,000
Total Six Year Cost	\$1,150,000		\$0				\$0				\$1,150,000
Total Project Cost	\$1,150,000		\$0				\$0				\$1,150,000

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

Available Cost Estimate:

Thorough Cost Estimate 2017 2018 2019 2020 2021 2022

Limited Information

Based on Cost of Similar Projects

Unsupported

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

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

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

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

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

Department Head Signature: *Sharon Kuhn*
 Prepared By/Phone Ext: _____ Bridges and Buildings Ext. 3295

CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:	3/24/2016
Project/Program:	Environmental Program		
Prepared By:	Bridges and Buildings	Current Request:	\$150,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$1,150,000

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				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. 3295

Department Head Signature: *Ghassan Khatib*

Account No: BU110010500

A) Department Priority 2 of 6 Useful Life 20 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 6 Total FTEs 3.8

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>4</u>	<u>2.8</u>	<u>\$ 200,000</u>
<u>Trades</u>	<u>2</u>	<u>1.0</u>	<u>\$ 75,000</u>
_____	_____	_____	<u>\$ _____</u>

E) In Six Year Capital Improvement Plan

Yes 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

This program serves to make continuous progress toward ADA compliance throughout all of DPW facilities.

G) Additional Comments

The DOJ report received in 2015 increases the time table for compliance with ADA requirements.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure - Bridges and Buildings

Account No: BU11010500

Project/Program Title: ADA Compliance Program

Special Assessment

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Enterprise	Total Cost
Remaining Balance for 2016	\$0				\$0
2017 Budget Request	\$2,000,000				\$2,000,000
2018 Projection	\$2,000,000				\$2,000,000
2019 Projection	\$75,000				\$75,000
2020 Projection	\$75,000				\$75,000
2021 Projection	\$75,000				\$75,000
2022 Projection	\$200,000				\$200,000
Total Six Year Cost	\$4,425,000	\$0	\$0	\$0	\$4,425,000
Total Project Cost	\$4,425,000	\$0	\$0	\$0	\$4,425,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

- 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

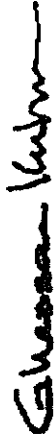
How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: _____ In-Progress _____

Estimated Completion Date: _____ On-Going _____

Department Head Signature



Prepared By/Phone Ext

Bridges and Buildings - Ext. 3295

CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:	3/24/2016
Project/Program:	ADA Compliance Program		
Prepared By:	Bridges and Buildings	Current Request:	\$2,000,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$4,425,000

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	
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>				
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>				
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>				
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: Facilities Exterior Program Requesting Department: DPW/Infrastructure - Bridges and Buildings
 Prepared By/Phone Ext: Bridges and Buildings - Ext. 3295 Department Head Signature: *Ghassan Kubm*
 Account No: BU11091300

A) Department Priority 3 of 6 Useful Life 25 Years Level of Need Essential Important Desired
 Type of Project New Replacement Repair On-Going Program
 Project/Program Scope Fully Defined Partially Defined
 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 0.8

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>2</u>	<u>0.8</u>	<u>\$ 54,000</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2015-2020 2016-2021 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 paving lot pavements become deteriorated by weather and heavy use. There is also a need to upgrade site lighting and pave unimproved areas of yards to provide needed working space and /or parking.

G) Additional Comments

See Attached

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure - Bridges and Buildings Account No: BU11091300
 Project/Program Title: Facilities Exterior Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016	\$0					\$0
2017 Budget Request	\$600,000					\$600,000
2018 Projection	\$1,000,000					\$1,000,000
2019 Projection	\$1,250,000					\$1,250,000
2020 Projection	\$1,250,000					\$1,250,000
2021 Projection	\$1,500,000					\$1,500,000
2022 Projection	\$1,500,000					\$1,500,000
Total Six Year Cost	\$6,850,000	\$0	\$0	\$0	\$0	\$6,850,000
Total Project Cost	\$6,850,000	\$0	\$0	\$0	\$0	\$6,850,000

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

Available Cost Estimate:
 Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
 Limited Information
 Based on Cost of Similar Projects
 Unsupported

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

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

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

Department Head Signature: 

Prepared By/Phone Ext: _____ Bridges and Buildings - Ext. 3295

CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:	3/24/2016
Project/Program:	Facilities Exterior Program		
Prepared By:	Bridges and Buildings	Current Request:	\$600,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$6,850,000

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				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>				

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. 3295 Department Head Signature: *Gilbane*
 Account No: BU11080800

A) Department Priority SP-1 of 2 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 5

D) Total Positions 4 Total FTEs 2.5

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>4</u>	<u>2.5</u>	<u>\$ 178,750</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2015-2020 2016-2021 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

This years budget covers Phase 2 construction.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure - Bridges and Buildings

Project/Program Title: City Hall Foundation Account No: BU11080800

Year	Special			Total Cost	
	Tax Levy/Borrowing	Grant & Aid	Revenue		Assessment
Remaining Balance for 2016	\$1,000,000				\$1,000,000
2017 Budget Request	\$13,000,000				\$13,000,000
2018 Projection	\$12,000,000				\$12,000,000
2019 Projection	\$8,500,000				\$8,500,000
2020 Projection	\$8,500,000				\$8,500,000
2021 Projection					\$0
2022 Projection					\$0
Total Six Year Cost	\$42,000,000	\$0	\$0	\$0	\$42,000,000
Total Project Cost	\$43,000,000	\$0	\$0	\$0	\$43,000,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2017	2018	2019	2020	2021	2022
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

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

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

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

Estimated Start Date: January, 2016

Estimated Completion Date: December, 2020

Department Head Signature:

Prepared By/Phone Ext: Bridges and Buildings - Ext. 3295

CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:	3/24/2016
Project/Program:	City Hall Foundation	Current Request:	\$13,000,000
Prepared By:	Bridges and Buildings	6 Yr Total:	\$42,000,000
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: 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: Recreational Facilities Requesting Department: DPW/Infrastructure - Bridges and Buildings
 Prepared By/Phone Ext: Bridges and Buildings - Ext. 3295 Department Head Signature: *Gregory Kuhn*
 Account No: PR111160100

A) Department Priority 6 of 6 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 2 Total FTEs 0.3

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>2</u>	<u>0.3</u>	\$ <u>20,000</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2015-2020 2016-2021 Yes, Modified New Request

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

G) Additional Comments
 The City of Milwaukee and its private and non-profit partners have a unique opportunity to transform play spaces in Milwaukee through the MKE Plays program. By reaching out to the community for collaboration and financial support they are sending a message to children of Milwaukee that their play is important and their space matters.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure - Bridges and Buildings Account No: PR111160100
Project/Program Title: Recreational Facilities

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016	\$0					\$0
2017 Budget Request	\$250,000					\$250,000
2018 Projection	\$250,000					\$250,000
2019 Projection	\$250,000					\$250,000
2020 Projection	\$250,000					\$250,000
2021 Projection	\$250,000					\$250,000
2022 Projection	\$250,000					\$250,000
Total Six Year Cost	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000
Total Project Cost	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

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. 3295

CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure - Bridges and Buildings	Date Submitted:	3/24/2016
Project/Program:	Recreational Facilities	Current Request:	\$250,000
Prepared By:	Bridges and Buildings	6 Yr Total:	\$1,500,000
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: Recreational Facilities

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
				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 Restoration Requesting Department: DPW/Infrastructure - Bridges and Buildings
 Prepared By/Phone Ext: Bridges and Buildings - Ext. 3295 Department Head Signature: *Ghassan Kuhn*
 Account No: _____

A) Department Priority SP-2 of 2 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 1 Total FTEs 0.1

Position Title	No. of Positions	FTEs	Salaries
<u>Professional/Inspection</u>	<u>1</u>	<u>0.1</u>	<u>\$ 6,800</u>
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

The North Point Water Tower is an iconic structure in the heart of the City. A facility study was conducted due to the exterior deterioration of the facility. This study documented the items that needed repair which included the roof that this project addresses.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure - Bridges and Buildings Account No: BU110151000
 Project/Program Title: North Point Lake Tower Restoration

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016	\$0					\$0
2017 Budget Request	\$340,000					\$340,000
2018 Projection	\$0					\$0
2019 Projection	\$0					\$0
2020 Projection	\$0					\$0
2021 Projection	\$0					\$0
2022 Projection	\$0					\$0
Total Six Year Cost	\$340,000	\$0	\$0	\$0	\$0	\$340,000
Total Project Cost	\$340,000	\$0	\$0	\$0	\$0	\$340,000

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

Available Cost Estimate:

Thorough Cost Estimate 2017 2018 2019 2020 2021 2022

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: 04/01/17

Estimated Completion Date: 06/15/17

Department Head Signature 

Prepared By/Phone Ext Bridges and Buildings - Ext. 3295

CIC - Capital Improvement Request Part III

Department: DPW/Infrastructure - Bridges and Buildings	Date Submitted: 3/24/2016
Project/Program: North Point Lake Tower Restoration	
Prepared By: Bridges and Buildings	Current Request: \$340,000
Dept Head: Ghassan Korban	6 Yr Total: \$340,000

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: North Point Lake Tower Restoration

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
				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>				

**2017 DEPARTMENT OF PUBLIC WORKS
CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION**

FUND & PROJECT GRANT NUMBER BR100160000		PROJECT/PROGRAM TITLE & LOCATION BRIDGE PROGRAM, LOCAL
DIVISION/ SECTION INFRASTRUCTURE SERVICES DIVISION / BRIDGES AND BUILDINGS SECTION / STRUCTURAL DESIGN		
DATE March 4, 2016	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"> 1. Preserve and maintain a bridge system at a standard considered safe for motorists and pedestrians, which meets the needs of the City. 2. Reduce the property tax levy necessary to maintain and preserve the bridge system. 3. Provide for the efficient movement of vehicles, people and commodities. 4. Improve and maintain the bridge system thereby fostering residential and commercial development, which raises property values and allows the City to grow and prosper. <p>Almost all major streets in the City are designated as part of the Federal Aid Transportation and most are eligible for State, County and/or Federal Funds to assist the City with financing bridge rehabilitation and reconstruction improvements. The local share of total costs of projects eligible for Federal and/or State Aid Programs and the total cost of projects not eligible for aid are budgeted with the Bridge Program budget.</p> <p>Various maintenance activities have been incorporated into the Bridge Capital Improvement Request. Incorporation of all major bridge capital improvement requests into one program allows better coordination of efforts to maintain and improve bridges, reduces work in preparing and reviewing the capital budgets, avoids duplication of effort and allows more flexibility in the administration of the Bridge Program.</p> <p>The Bridge Program assures a level of expenditures for bridge improvements that are consistent with the ability to finance improvements that are necessary to preserve the City's bridges system. The preservation and expansion of the City's street and bridge system are vital to the safe and efficient movement of people, vehicles, and commodities. Improving and expanding the transportation system promotes economic development and increases property values. Preservation and expansion projects having favorable land use, economic, safety, pollution, travel time and energy conservation impacts benefit both users and non-users of the transportation system. Benefits experienced by non-users include reduced noise and air pollution, a more aesthetically pleasing bridge system, potential increases in real estate values and an increase in construction jobs. The primary impact, however, is the positive change to the job market due to an improved transportation system.</p>		

Capital Improvement Request Form Part I

DPW / INFRASTRUCTURE SERVICES

Project/Program Title: BRIDGE PROGRAM, LOCAL

Requesting Department: SERVICES

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

Department Head Signature: 

Account No: BR100160000

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

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

On-Going Program 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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

Refer to attached 2017 Department of Public Works 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: BR100160000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016	\$0	\$0				\$0
2017 Budget Request	\$5,500,000	\$0				\$5,500,000
2018 Projection	\$10,500,000	\$0				\$10,500,000
2019 Projection	\$8,900,000	\$0				\$8,900,000
2020 Projection	\$10,725,000	\$0				\$10,725,000
2021 Projection	\$10,450,000	\$0				\$10,450,000
2022 Projection	\$9,025,000	\$0				\$9,025,000
Total Six Year Cost	\$55,100,000	\$0	\$0	\$0	\$0	\$55,100,000
Total Project Cost	\$55,100,000	\$0	\$0	\$0	\$0	\$55,100,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2017	2018	2019	2020	2021	2022
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

Estimated Start Date: 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 4, 2016
Project/Program:	BRIDGE PROGRAM, LOCAL	Current Request:	
Prepared By:	CRAIG LIBERTO	(2017)	\$5,500,000
Dept Head:	JEFFREY POLENSKE	6 Yr Total:	
		(2017-2022)	\$55,100,000

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, 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)?

Comments / Other Considerations:

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?

Comments / Other Considerations:

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?

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			Higher costs	Can you quantify the impacts of a delay in this project?

Comments / Other Considerations:

BRIDGE PROGRAM, LOCAL, PARENT ACCOUNT

Funds Available 03-01-2016 in Parent Account

2007 to 2014 Carryover Unencumbered Balance (Bridge Program, Local)	1,592,059.00
2015 Carryover Unencumbered Balance (Bridge Program, Local)	5,210,000.00
2015 Carryover Unencumbered Balance (Bridge Program, Local)	2,575,000.00
 TOTAL Carryover Unencumbered Balance (Bridge Program, Local)	 \$9,377,059.00
 Subaccount Close-outs (estimated)	 322,941.00
 TOTAL FUNDS AVAILABLE	 <u>\$9,700,000.00</u>
 Estimated 2016 expenditures and carryover	
Remaining 2016 Needs (Bridge Program, Local) - Attachment 1	9,700,000.00
Revenues Not Received	0.00
 TOTAL EXPENDITURES	 <u>\$9,700,000.00</u>
 2016 ASSUMED CARRYOVER	 <u>\$0.00</u>

ATTACHMENT 1
 BRIDGE PROGRAM, LOCAL
 2016 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	1st Street Bascule Bridge (2000 South) over Kinnickinnic River First Year of Two Years of Construction Funding	9,500	0	0	0	9,500
B	6th Street Viaduct Cable-stayed & Bascule Span Sidewalks Epoxy overlay Construction	200	0	0	0	200
	TOTALS	9,700	0	0	0	9,700

INFRASTRUCTURE SERVICES DIVISION
 2017 BRIDGE PROGRAM, LOCAL
 (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

Projects are listed in
 construction funding order.

PROJECT	Needs						REVENUE & GRANT	6 YEAR TOTAL	REMARKS
	2016	2017	2018	2019	2020	2021			
1st Street Bascule Bridge (2000 South) over Kinnickinnic River	9,500						0	0	Design. Movable bridge rehab.
6th Street Viaduct Cable-stayed & Bascule Span Sidewalks Epoxy overlay	200						0	0	Construction
1st Street Bascule Bridge (2000 South) over Kinnickinnic River		5,000					0	5,000	Construction: Movable bridge structural, mechanical, hydraulic, and electrical rehab. Sufficiency Rating: 71.5 * Funding carryover of \$9.5M from 2016 Project Risk: Complex; Movable bridge rehab.
Michigan Street Lift Bridge (100 West) over Milwaukee River			10,000				0	10,000	Construction: Movable bridge structural, mechanical, hydraulic, and electrical rehab. Sufficiency Rating: 57.6 * Funding over two years Project Risk: Complex; Movable bridge rehab.
Hampton Avenue Bridge (6300 West) over Lincoln Creek				2,100			0	2,100	Construction: Bridge rehab. Sufficiency Rating: 79.6 Design previously funded Project Risk: Medium; SHPO railing review
Burleigh Street Bridges (Two) (6300 West) over Menomonee River				2,300			0	2,300	Construction: Bridge rehab. Sufficiency Rating: 62.6 * Design previously funded Project Risk: Medium; SHPO railing review
Cameron Avenue Bridge (3100 West) over Lincoln Creek		200					0	200	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
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.
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	0	11,000	Construction: Movable bridge structural, mechanical, and electrical rehab. Sufficiency Rating: 47.1 * Funding over two years Project Risk: Complex; Movable bridge rehab.
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							7,000	7,000	Construction: Bridge painting, stair replacement, structural steel and concrete Sufficiency Rating: 63.7 * Project Risk: Complex; Major viaduct rehab.
Plankinton Avenue Bascule Bridge (200 North) over Menomonee River						150	0	150	Design: Movable bridge rehab.

INFRASTRUCTURE SERVICES DIVISION
 2017 BRIDGE PROGRAM, LOCAL
 (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

Projects are listed in
 construction funding order.

PROJECT	Needs						REVENUE & GRANT	6 YEAR TOTAL	REMARKS	
	2016	2017	2018	2019	2020	2021				2022
Plankinton Avenue Bascule Bridge (200 North) over Menomonee River							1,700	0	1,700	Construction: Painting and sidewalk plate replacement Sufficiency Rating: 64.6 Project Risk: Moderate; Minor movable bridge rehab.
Underwater Dive Inspection of Scour Critical Bridges			175					0	175	Dive inspections required every 5 years by federal & state regulations Project Risk: Low
City Safety Bridge Inspection		150	175	150	175	150	175	0	975	Perform 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
TOTALS BRIDGE, LOCAL	9,700	5,500	10,500	8,900	10,725	10,450	9,025	0	55,100	
GRANT & REVENUE (FROM ATTACHMENTS)	0	0	0	0	0	0	0	0	55,100	0 AID

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

**2017 DEPARTMENT OF PUBLIC WORKS
CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION**

FUND & PROJECT GRANT NUMBER BR300160000		PROJECT/PROGRAM TITLE & LOCATION BRIDGE PROGRAM / STATE AND FEDERAL AID	
DIVISION/ SECTION INFRASTRUCTURE SERVICES DIVISION / BRIDGES AND BUILDINGS SECTION / STRUCTURAL DESIGN			
DATE March 14, 2016	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"> 1. Preserve and maintain a bridge system at a standard considered safe for motorists and pedestrians, which meets the needs of the City. 2. Reduce the property tax levy necessary to maintain and preserve the bridge system. 3. Provide for the efficient movement of vehicles, people and commodities. 4. Improve and maintain the bridge system thereby fostering residential and commercial development, which raises property values and allows the City to grow and prosper. <p>Almost all major streets in the City are designated as part of the Federal Aid Transportation and most are eligible for State, County and/or Federal Funds to assist the City with financing bridge rehabilitation and reconstruction improvements. The local share of total costs of projects eligible for Federal and/or State Aid Programs and the total cost of projects not eligible for aid are budgeted with the Bridge Program budget.</p> <p>Various maintenance activities have been incorporated into the Bridge Capital Improvement Request. Incorporation of all major bridge capital improvement requests into one program allows better coordination of efforts to maintain and improve bridges, reduces work in preparing and reviewing the capital budgets, avoids duplication of effort and allows more flexibility in the administration of the Bridge Program.</p> <p>The Bridge Program assures a level of expenditures for bridge improvements that are consistent with the ability to finance improvements that are necessary to preserve the City's bridges system. The preservation and expansion of the City's street and bridge system are vital to the safe and efficient movement of people, vehicles, and commodities. Improving and expanding the transportation system promotes economic development and increases property values. Preservation and expansion projects having favorable land use, economic, safety, pollution, travel time and energy conservation impacts benefit both users and non-users of the transportation system. Benefits experienced by non-users include reduced noise and air pollution, a more aesthetically pleasing bridge system, potential increases in real estate values and an increase in construction jobs. The primary impact, however, is the positive change to the job market due to an improved transportation system.</p>			

Capital Improvement Request Form Part I

Project/Program Title: BRIDGE PROGRAM, STATE AND FEDERAL AID

Requesting Department: DPW / INFRASTRUCTURE SERVICES

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

Department Head Signature: 

Account No: BR300160000

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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

Refer to attached 2017 Department of Public Works 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: BR300160000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016	\$0	\$0				\$0
2017 Budget Request	\$2,188,000	\$9,893,000				\$12,081,000
2018 Projection	\$925,000	\$3,872,000				\$4,797,000
2019 Projection	\$3,950,000	\$3,600,000				\$7,550,000
2020 Projection	\$3,225,000	\$3,775,000				\$7,000,000
2021 Projection	\$3,790,000	\$7,210,000				\$11,000,000
2022 Projection	\$730,000	\$6,770,000				\$7,500,000
Total Six Year Cost	\$14,808,000	\$35,120,000	\$0	\$0	\$0	\$49,928,000
Total Project Cost	\$14,808,000	\$35,120,000	\$0	\$0	\$0	\$49,928,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2017	2018	2019	2020	2021	2022
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

Estimated Start Date: 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 14, 2016
Project/Program:	BRIDGE PROGRAM / STATE AND FEDERAL AID	Current Request:	
Prepared By:	CRAIG LIBERTO	(2017)	\$2,188,000
Dept Head:	JEFFREY POLENSKE	6 Yr Total:	
		(2017-2022)	\$14,808,000

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)?

Comments / Other Considerations:

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?

Comments / Other Considerations:

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?

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			Higher costs	Can you quantify the impacts of a delay in this project?

Comments / Other Considerations:

BRIDGE PROGRAM, STATE AND FEDERAL AID, PARENT ACCOUNT

Funds Available 03-01-2016 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)	42,008.17
2014 Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	66,373.97
2015 Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	401,423.44
2016 Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	277,000.00

TOTAL Carryover Unencumbered Balance (Bridge Program, State and Federal Aid) \$1,179,685.55

Subaccount Close-outs (estimated) 870,314.45

TOTAL FUNDS AVAILABLE \$2,050,000.00

Estimated 2016 expenditures and carryover

Remaining 2016 Needs (Bridge Program, State and Federal Aid) - Attachment 1	2,050,000.00
Revenues Not Received	0.00

TOTAL EXPENDITURES \$2,050,000.00

2016 ASSUMED CARRYOVER \$0.00

ATTACHMENT 1
 BRIDGE PROGRAM, STATE AND FEDERAL AID
 2016 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	1,000	800	0	0	200
STP BR	51st Boulevard Bridge (4500 North) over Lincoln Creek	2,900	1,650	0	0	1,250
STP BR	North Avenue Bridge (3100 West) over Canadian Pacific Railway Project Shortfall	600	0	0	0	600
	TOTALS	4,500	2,450	0	0	2,050

INFRASTRUCTURE SERVICES DIVISION
2017 BRIDGE PROGRAM, STATE AND FEDERAL AID
(AMOUNTS SHOWN IN 1,000'S OF DOLLARS)

Projects are listed in
construction funding order

PROJECT	Needs						REVENUE & GRANT	6 YEAR TOTAL	REMARKS	
	2016	2017	2018	2019	2020	2021				2022
51st Boulevard Bridge (4500 North) over Lincoln Creek	1,250						4,942	4,942		
North Avenue Bridge (3100 West) over Canadian Pacific Railway Project Shortfall	600						2,342	2,342		
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 (USH 18) (100 West) over Milwaukee River		350					5,860	6,210	Construction: Movable bridge painting, structural steel repairs, hydraulic, mechanical & electrical upgrades Design previously funded 75/25 share 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	
Port Washington Avenue Bridge (4000 N) over Capitol Drive (STH 190)			25				3,472	3,497	Construction: Bridge replacement Design previously funded 75/25 Connecting Highway. State share 100% less non-particip. Sufficiency Rating: 38.1 Project Risk: Complex; Bridge reconstruction over connecting highway w/ interchange	
Kinnickinnic River Flood Mitigation Project Replacement of 9th, 13th and 16th, Cleveland and 20th vehicular bridges and 8th, 11th and 15th pedestrian bridges.		800	800	800			0	2,400	Design: Numerous bridge replacements 100% City funded design	
Kinnickinnic River Flood Mitigation Project Replacement of 9th, 13th and 16th, Cleveland and 20th vehicular bridges and 8th, 11th and 15th pedestrian bridges.				3,000	3,000	3,000	9,000	18,000	Construction: Numerous bridge replacements 100% City funded design MMSD/City share to be determined, but assume 50/50 Project Risk: Complex; Coordination with MMSD, SEWRPC and other stakeholders	
70th Street Bridge (700 South) over Hank Aaron State Trail / abandoned Canadian Pacific Railway							600	2,400	3,000	Construction: Bridge replacement Design previously funded 80/20 State/City share 80/20 funded Sufficiency Rating: 44.8 Funding needs to be acquired in 2021- 2022 cycle. Project Risk: Complex; Bridge reconstruction requiring railroad stipulation
Villard Avenue (2300 West) over Lincoln Creek						360	1,440	1,800	Construction: Bridge renovation, painting, deck replacement Design previously funded 80/20 State/City share 80/20 funded Sufficiency Rating: 64.6 Funding needs to be acquired in 2021- 2022 cycle. Project Risk: Moderate; SHPO railing review	
Calumet Road Bridge (9200 West) over Little Menomonee River				50			200	250	Design: Bridge replacement State/City share 80/20 funded Funding needs to be acquired.	
Calumet Road Bridge (9200 West) over Little Menomonee River						300	1,200	1,500	Construction: Bridge replacement State/City share 80/20 funded Sufficiency Rating: 40.9 Funding needs to be acquired in 2021- 2022 cycle. Project Risk: Moderate; Bridge reconstruction over waterway	
84th Steet Bridge and Culvert (STH 181) (100 South) over Honey Creek						30	1,170	1,200	Construction: Bridge and culvert rehab. State Highway Program Design previously funded 100% State share 100% less non-particip. Sufficiency Rating: 65.0 Project Risk: Moderate; Historic bridge requiring SHPO review	

Capital Improvement Request Form Part I

Project/Program Title: Street Improvements City portion of State/Federal aided

Requesting Department: Department of Public works

Prepared By/Phone Ext: Samir Amin -2461

Department Head Signature: *Ghassan Kuhn*

Account No: ST211170000

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 2015-2020 2016-2021 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: Department of Public Works ST320170000
Project/Program Title: Street Improvement City Portion of State/Federal Aid Program Account No: ST320170000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016	\$4,526,154	\$29,284,303		\$283,000		\$34,093,457
2017 Budget Request	\$8,139,271	\$33,749,574		\$317,000		\$42,205,845
2018 Projection	\$7,900,707	\$34,302,099		\$385,000		\$42,587,806
2019 Projection	\$8,154,880	\$27,959,138		\$265,000		\$36,379,018
2020 Projection	\$8,130,823	\$28,044,522		\$516,000		\$36,691,345
2021 Projection	\$8,831,237	\$34,710,335		\$395,500		\$43,937,072
2022 Projection	\$7,944,800	\$37,164,200		\$449,000		\$45,558,000
Total Six Year Cost	\$49,101,718	\$195,929,868	\$0	\$2,327,500	\$0	\$247,359,086
Total Project Cost	\$53,627,872	\$225,214,171	\$0	\$2,610,500	\$0	\$281,452,543

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

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: Samir Amin -2461

CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS/INFRASTRUCTURE TRANSPORTATION	Date Submitted:	3/24/2016
Project/Program:	Street Improvements City Portion of Stateand/or Federal Aided Program	Current Request:	\$8,139,271
Prepared By:	Samir Amin	6 Yr Total:	\$49,101,718
Dept Head:	Jeffery Polenske		

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 maitenance	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 Improvement State and/or Federal Aide

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: Street resurface/reconstruct

Requesting Department: Department of Public works

Prepared By/Phone Ext: Samir Amin -2461

Department Head Signature: *Ghassan Kuhn*

Account No: ST211170000

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

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

On-Going Program 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 2015-2020 2016-2021 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 (including the high impact program) 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, and crackfilling of streets.

Capital Improvement Request Part II

Requesting Department: Department of Public Works **Account No.:** ST211170000
Project/Program Title: Street resurface/reconstruction

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016	\$0			\$300,000		\$300,000
2017 Budget Request	\$7,500,000			\$500,000		\$8,000,000
2018 Projection	\$14,000,000			\$1,000,000		\$15,000,000
2019 Projection	\$14,000,000			\$1,000,000		\$15,000,000
2020 Projection	\$14,000,000			\$1,000,000		\$15,000,000
2021 Projection	\$14,000,000			\$1,000,000		\$15,000,000
2022 Projection	\$14,000,000			\$1,000,000		\$15,000,000
Total Six Year Cost	\$77,500,000	\$0	\$0	\$5,500,000	\$0	\$83,000,000
Total Project Cost	\$77,500,000	\$0	\$0	\$5,800,000	\$0	\$83,300,000

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

Available Cost Estimate:	2017	2018	2019	2020	2021	2022
Thorough Cost Estimate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

Estimated Start Date: _____ on going
 Estimated Completion Date: _____

Department Head Signature

CIC - Capital Improvement Request Part III

Department:	Department of Public works	Date Submitted:	3/24/2016
Project/Program:	Street resurface/reconstrucion		
Prepared By:	Samir Amin -2461	Current Request:	\$8,000,000
Dept Head:	Jeffrey Polenske	6 Yr Total:	\$83,000,000

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			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: 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			increases	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 Streets

Requesting Department: Department of Public works

Prepared By/Phone Ext: Samir Amin -2461

Department Head Signature: *Ghassan Kuhn*

Account No: ST216170000

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

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

On-Going Program 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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

This is a program targeted at doing more overlays on major and now local streets. It was a newly funded program in 2013, with \$1.0 budgeted and has \$8.5M committed in 2016. Only asphalt is included on the projects, and no assessments to the adjacent property owners.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: Department of Public works

Project/Program Title: High Impact paving

Account No: ST216170000

Year	Grant & Aid			Special Assessment			Enterprise	Total Cost
	Tax Levy/Borrowing	Revenue	Assessment	Revenue	Assessment	Enterprise		
Remaining Balance for 2016	\$0							\$0
2017 Budget Request	\$8,000,000							\$8,000,000
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
2022 Projection	\$2,000,000							\$2,000,000
Total Six Year Cost	\$18,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$18,000,000
Total Project Cost	\$18,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$18,000,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

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: _____ on going _____

Estimated Completion Date: _____

Department Head Signature


Prepared By/Phone Ext

Samir Amin -2461

CIC - Capital Improvement Request Part III

Department:	Department of Public Works	Date Submitted:	3/23/2016
Project/Program:	High Impact paving		
Prepared By:	Samir Amin -2461	Current Request:	\$8,000,000
Dept Head:	Jeffrey Polenske	6 Yr Total:	\$18,000,000

General Project/Program Description:

This is a program targeted at doing more maintenance overlays on local and 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			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			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 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	
				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			extends it	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>				
By performing the high impact asphalt overlay, we are adding 5-10 years to the existing pavement.				
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: Alley reconstruction

Requesting Department: Department of Public works

Prepared By/Phone Ext: Samir Amin -2461

Department Head Signature: *Cheshaan Kuhn*

Account No: ST212170000

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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

This is a listing City sponsored alleys which are in need of replacement with a portion of the cost being recovered by special assessments levied against abutting properties. The current recovery rate is 25 to 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 2000-2015 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 2016, all of the allocated funds were moved to the high impact program. With funds that were remaining from previous years, possibly two alleys will be replaced. 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: ST212170000
 Project/Program Title: Alley reconstruction

Year	Special Assessment			Revenue		Enterprise	Total Cost
	Tax Levy/Borrowing	Grant & Aid	Assessment	Revenue	Assessment		
Remaining Balance for 2016	\$0		\$0				\$0
2017 Budget Request	\$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
2022 Projection	\$1,725,000		\$400,000				\$2,125,000
Total Six Year Cost	\$10,350,000	\$0	\$2,400,000	\$0	\$0	\$0	\$12,750,000
Total Project Cost	\$10,350,000	\$0	\$2,400,000	\$0	\$0	\$0	\$12,750,000

Life to Date Expenditures (Project Only)	\$0	\$0	\$0	\$0	\$0	\$0
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Available Cost Estimate:	2017	2018	2019	2020	2021	2022
Thorough Cost Estimate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

Estimated Start Date: _____ on going _____
 Estimated Completion Date: _____

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

CIC - Capital Improvement Request Part III

Department:	Department of Public Works	Date Submitted:	3/15/2016
Project/Program:	Alley reconstruction	Current Request:	\$2,125,000
Prepared By:	Samir Amin	6 Yr Total:	\$12,750,000
Dept Head:	Jeffrey Polenske, City Engineer		

General Project/Program Description:
 The program is for the replacement of alleys with a portion (about 25-30%) recovered from the adjacent property owners through the special assessment 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			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			less maintenance	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			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 reconstructon

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
			extends it	How does the request affect the replacement cycle? Provide specifics below.
x				Has the facility being replaced exceeded its useful life?
			extends it	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: New Streets

Requesting Department: Department of Public works

Prepared By/Phone Ext: Samir Amin -2461

Department Head Signature: *Ghassan Kuhn*

Account No: ST210170000

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 2015-2020 2016-2021 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
 Project/Program Title: New Streets Account No: ST210170000

Year	Special Assessment			Enterprise	Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue		
Remaining Balance for 2016	\$100,000				\$175,000
2017 Budget Request	\$200,000		\$75,000		\$350,000
2018 Projection	\$0		\$0		\$0
2019 Projection	\$0		\$0		\$0
2020 Projection	\$200,000		\$150,000		\$350,000
2021 Projection	\$0		\$0		\$0
2022 Projection	\$200,000		\$150,000		\$350,000
Total Six Year Cost	\$600,000	\$0	\$450,000	\$0	\$1,050,000
Total Project Cost	\$700,000	\$0	\$525,000	\$0	\$1,225,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

- 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

Samir Amin -2461

CIC - Capital Improvement Request Part III

Department:	Department of Public works	Date Submitted:	3/24/2016
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 - 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			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)?

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?
			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?

Comments / Other Considerations:

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 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:

Capital Improvement Request Form Part I

Project/Program Title: Developer Paving

Requesting Department: Department of Public works

Prepared By/Phone Ext: Samir Amin -2461

Department Head Signature: *Chessa Kuhn*

Account No: ST214170000

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 2015-2020 2016-2021 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: ST214170000
Project/Program Title: Developer Paving

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016	\$0			\$0		\$0
2017 Budget Request	\$0		\$0	\$0		\$0
2018 Projection	\$0		\$400,000	\$0		\$400,000
2019 Projection	\$0		\$0	\$0		\$0
2020 Projection	\$0		\$0	\$0		\$0
2021 Projection	\$0		\$400,000	\$0		\$400,000
2022 Projection	\$0		\$0	\$0		\$0
Total Six Year Cost	\$0	\$0	\$800,000	\$0	\$0	\$800,000
Total Project Cost	\$0	\$0	\$800,000	\$0	\$0	\$800,000

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2017	2018	2019	2020	2021	2022
Limited Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

Estimated Start Date: _____
 Estimated Completion Date: _____

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

CIC - Capital Improvement Request Part III

Department:	Department of Public works	Date Submitted:	3/24/2016
Project/Program:	Developer Paving		
Prepared By:	Samir Amin	Current Request:	\$0
Dept Head:	Jeffrey Polenske, City Engineer	6 Yr Total:	\$800,000

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	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			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	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?
			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 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: *Chase Kuhn*

Account No: ST230170000

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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

This is a listing City sponsored alleys which are in need of replacement with a portion of the cost being recovered by special assessments levied against abutting properties. The current recovery rate is 25 to 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 2000-2015 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 2016, all of the allocated funds were moved to the high impact program. With funds that were remaining from previous years, possibly two alleys will be replaced. 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: ST230170000
Project/Program Title: Sidewalk Replacement Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016	\$0			\$500,000		\$500,000
2017 Budget Request	\$2,000,000			\$0		\$2,000,000
2018 Projection	\$1,750,000			\$250,000		\$2,000,000
2019 Projection	\$1,750,000			\$250,000		\$2,000,000
2020 Projection	\$1,750,000			\$250,000		\$2,000,000
2021 Projection	\$1,750,000			\$250,000		\$2,000,000
2022 Projection	\$1,750,000			\$250,000		\$2,000,000
Total Six Year Cost	\$10,750,000	\$0	\$0	\$1,250,000	\$0	\$12,000,000
Total Project Cost	\$10,750,000	\$0	\$0	\$1,750,000	\$0	\$12,500,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

- 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: _____ on going _____

Estimated Completion Date: _____

Department Head Signature

Prepared By/Phone Ext

Samir Amin -2461

CIC - Capital Improvement Request Part III

Department:	DPW/INFRASTRUCTURE TRANSPORTATION	Date Submitted:	
Project/Program:	SIDEWALK REPLACEMENT PROGRAM		
Prepared By:	Samir Amin	Current Request:	\$2,000,000
Dept Head:	Jeffery polenske	6 Yr Total:	\$12,000,000

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>				
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>				
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>				
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
 Prepared By/Phone Ext: Rollin M. Bertran Department Head Signature: *Ghassan Kuhn*
 Account No: ST240170000

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 2015-2020 2016-2021 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.:** ST240170000
Project/Program Title: Street Lighting Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request	\$12,200,000					\$12,200,000
2018 Projection	\$11,500,000					\$11,500,000
2019 Projection	\$12,000,000					\$12,000,000
2020 Projection	\$12,500,000					\$12,500,000
2021 Projection	\$12,500,000					\$12,500,000
2022 Projection	\$12,500,000					\$12,500,000
Total Six Year Cost	\$73,200,000	\$0	\$0	\$0	\$0	\$73,200,000
Total Project Cost	\$73,200,000	\$0	\$0	\$0	\$0	\$73,200,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- 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: 01/01/17

Estimated Completion Date: 12/31/17

Department Head Signature



Prepared By/Phone Ext

CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure Services Division	Date Submitted:	3/17/2016
Project/Program:	Street Lighting Program		
Prepared By:	Rollin M. Bertran	Current Request:	\$12,200,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$73,200,000

General Project/Program Description:

This ongoing program provides for the preservation, improvement and expansion of the City's street lighting facilities to provide sufficient lighting during nighttime hours on streets, alleys and sidewalks 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:

This program provides for the illumination of roadways, sidewalks and alleys in the City to maintain a high level of safety for both vehicular and pedestrian traffic during nighttime hours. This program also strives to maintain adequate lighting to promote safety for City residents and visitors to the area, and to promote the livability of residential areas of the City through a general sense of security.

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:

Some energy reduction can be achieved under this funding request through the continuing replacement of mercury vapor street lights with more energy efficient high pressure sodium and LED lighting. The upgrade of equipment will also address current system failures, and improve the reliability of street lighting operation.

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

Project/Program: Street Lighting 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:

Through the preservation and improvement of nighttime street lighting levels and system reliability, the street lighting program promotes the livability, attractiveness and sense of security in City neighborhoods. It also supports business growth by maintaining adequate visibility and security of commercial business districts, while providing a sense of safety

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			\$500,000	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 funding requested for street lighting capital improvements represents no change in life cycle replacement from prior requests.

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:

The street lighting program support business growth by maintaining adequate visibility and security of commercial business districts, while providing a sense of safety and security for business patrons.

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: Traffic Control Facilities
 Prepared By/Phone Ext: Rollin M. Bertran
 Account No: ST220170000

Requesting Department: DPW / Infrastructure Services
 Department Head Signature: *Ghassan Kuhn*

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 2015-2020 2016-2021 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:** ST220170000
Project/Program Title: Traffic Control Facilities Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request	\$3,110,000					\$3,110,000
2018 Projection	\$2,800,000					\$2,800,000
2019 Projection	\$3,100,000					\$3,100,000
2020 Projection	\$3,200,000					\$3,200,000
2021 Projection	\$3,000,000					\$3,000,000
2022 Projection	\$2,800,000					\$2,800,000
Total Six Year Cost	\$18,010,000	\$0	\$0	\$0	\$0	\$18,010,000
Total Project Cost	\$18,010,000	\$0	\$0	\$0	\$0	\$18,010,000

Life to Date Expenditures (Project Only)

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

	2017	2018	2019	2020	2021	2022
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain


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

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

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

Estimated Start Date: 01/01/17

Estimated Completion Date: 12/31/17

Department Head Signature: 
 Prepared By/Phone Ext: Rollin M. Bertran / X-3437

CIC - Capital Improvement Request Part III

Department: DPW/Infrastructure Services Division	Date Submitted: 3/17/2016
Project/Program: Traffic Control Facilities Program	
Prepared By: Rollin M. Bertran	Current Request: \$3,110,000
Dept Head: Ghassan Korban	6 Yr Total: \$18,010,000

General Project/Program Description:
 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, utilize and implement new technology advances to improve traffic flow.

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:
 1) The project maintains existing life cycle levels. 2) Traffic control facilities supported under this program provides for the safe, economical and efficient movement of pedestrians and vehicular traffic, and provides for the efficient movement of goods and services needed to support commerce in the city. 3) Reduction in energy consumption will occur with efficiencies in traffic operation achieved through this program.

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

Project/Program: Traffic Control Facilities 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: Underground Conduit Installation Prog.

Requesting Department: DPW/Infrastructure Services

Prepared By/Phone Ext: Rollin M. Bertran

Department Head Signature: *Gabe...*

Account No: ST280170000

A) Department Priority _____ of _____ Useful Life 75 Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program

Project/Program Scope Fully Defined Partially Defined

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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

The underground conduit system supports City Communications for Traffic and Street Lighting facilities, DCD, Health, fire and police, MPS, and city general 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:** ST280170000
Project/Program Title: Underground Conduit Installation Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request	\$2,484,000					\$2,484,000
2018 Projection	\$3,240,000					\$3,240,000
2019 Projection	\$3,780,000					\$3,780,000
2020 Projection	\$3,780,000					\$3,780,000
2021 Projection	\$3,780,000					\$3,780,000
2022 Projection	\$3,888,000					\$3,888,000
Total Six Year Cost	\$20,952,000	\$0	\$0	\$0	\$0	\$20,952,000
Total Project Cost	\$20,952,000	\$0	\$0	\$0	\$0	\$20,952,000

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

Available Cost Estimate:

Thorough Cost Estimate	2017	2018	2019	2020	2021	2022
Limited Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

Estimated Start Date: 06/20/06
 Estimated Completion Date: 12/31/17

Department Head Signature: *Chesman Kuhn*

Prepared By/Phone Ext: _____

CIC - Capital Improvement Request Part III

Department: DPW/Infrastructure Services Division	Date Submitted: 3/17/2016
Project/Program: Underground Communication Installation Program	
Prepared By: Rollin M. Bertran	Current Request: \$2,484,000
Dept Head:	6 Yr Total: \$20,952,000

General Project/Program Description:
 The program is for the installation of a permanent underground conduit and manhole system to provide safe, secure and weatherproof routes for communications networks servicing the needs of various City agencies including DCD, DPW, Fire, Police, Health, MPS and others.

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 cables inside the conduit carry 911 emergency communications.

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 City currently leases conduit space to telecommunication companys. Not only does this generate revenue for the City but it eliminates the needs for theses companies to construct their own separate facilities within the street right of way. This would preserve the life of the pavement and further reduce congestion of various utilities in an already crowded right of way.

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

Project/Program: Underground Conduit and Installation

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>				
The conduit installation program is based in part on the paving program. It is significantly more cost effective to install conduit at the time the roadway is being paved. There is no separate contract cost, traffic control, pavement restoration, mobilization, etc if done under our paving construction contract.				

Capital Improvement Request Form Part I

Project/Program Title: Communication & Electrical Manhole Repair and Construction

Requesting Department: DPW/Infrastructure

Prepared By/Phone Ext: Rollin M. Bertran

Department Head Signature: *Gabeon Kuhn*

Account No: ST285170000

A) Department Priority _____ of _____ Useful Life 75 Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program

Project/Program Scope Fully Defined Partially Defined

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 2015-2020 2016-2021 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 korbel repair. An additional 1540 manholes will be inspected in 2015.

Capital Improvement Request Part II

Requesting Department: DPW/Infrastructure Services **Account No.:** ST285170000
Project/Program Title: communication and electrical manhole repair

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request	\$1,300,000					\$1,300,000
2018 Projection	\$1,300,000					\$1,300,000
2019 Projection	\$1,300,000					\$1,300,000
2020 Projection	\$1,400,000					\$1,400,000
2021 Projection	\$1,400,000					\$1,400,000
2022 Projection	\$1,500,000					\$1,500,000
Total Six Year Cost	\$8,200,000	\$0	\$0	\$0	\$0	\$8,200,000
Total Project Cost	\$8,200,000	\$0	\$0	\$0	\$0	\$8,200,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

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: 01/01/17

Estimated Completion Date: 12/31/17

Department Head Signature



Prepared By/Phone Ext

CIC - Capital Improvement Request Part III

Department:	DPW/Infrastructure Services	Date Submitted:	3/17/2016
Project/Program:	Communications and Electrical Manhole Repair and Reconstruction		
Prepared By:	Rollin M. Bertran	Current Request:	\$1,300,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$8,200,000

General Project/Program Description:
 This program is for the inspection and maintenance of the Communications & Electrical Services Manholes.

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 program funds the emergency repairs & replacement of manholes collapsing in the roadway which poses an immediate risk to motorists and their vehicles.

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:
 This program is for the annual inspection, repair and maintenance of the manholes.

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

Project/Program: Communications and Electrical Manhole Repair and Reconstruction Project

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
				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>				
Maintaining and repairing the existing manholes postpones the need to replace manholes.				
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>				
If the manhole conditions are not managed through a regular maintenance program, the threat exists for damage or injury due to collapsed manholes, and increased cost related to emergency repairs				

Capital Improvement Request Form Part I

Project/Program Title: 2nd/Plankinton

Requesting Department: DPW- PARKING FUND

Prepared By/Phone Ext: Chuck Schumacher x3271

Department Head Signature: *Chelsea Kuban*

Account No: PA160040100

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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

2017 - Caulk joints and paint garage exterior components including railings, signs and steel surfances. 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. 2020 - Replace 121 light fixtures in stairway and helices. Proper lighting provides safety for pedestrians in stairwells, safe passage for vehicles in helices and energy efficiency.

G) Additional Comments

?

Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND

Project/Program Title: 2nd/Plankinton Account No: _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$500,000	\$500,000
2018 Projection						\$0
2019 Projection						\$0
2020 Projection					\$300,000	\$300,000
2021 Projection						\$0
2022 Projection						\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$800,000	\$800,000
Total Project Cost	\$0	\$0	\$0	\$0	\$800,000	\$800,000

Life to Date Expenditures (Project Only)

2017	2018	2019	2020	2021	2022
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- 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: 03/01/21

Estimated Completion Date: 11/30/22

Department Head Signature



Prepared By/Phone Ext

Chuck Schumacher x3271

CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 3/10/2016
Project/Program: 2nd/Plankinton	
Prepared By: C Schumacher	Current Request: \$500,000
Dept Head: Ghassan Korban	6 Yr Total: \$800,000

General Project/Program Description:

2017 - Caulk joints and paint garage 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. 2020 - Replace 121 light fixtures in stairway and helices. Proper lighting provides safety for pedestrians in stairwells, safe passage for vehicles in helices and energy efficiency.

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

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
				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: 4th/Highland

Requesting Department: DPW- PARKING FUND

Prepared By/Phone Ext: Chuck Schumacher x3271

Department Head Signature: *Charles Kuhn*

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 6

D) Total Positions _____ Total FTEs _____

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

E) In Six Year Capital Improvement Plan

Yes 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

Facility is scheduled for demo in 2017.

G) Additional Comments

?

Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND

Project/Program Title: 4th/Highland

Account No: _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$0	\$0
2018 Projection						\$0
2019 Projection						\$0
2020 Projection						\$0
2021 Projection						\$0
2022 Projection						\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$0	\$0
Total Project Cost	\$0	\$0	\$0	\$0	\$0	\$0

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2017	2018	2019	2020	2021	2022
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: 03/01/17

Estimated Completion Date: 11/30/17

Department Head Signature

Prepared By/Phone Ext

Chuck Schumacher x3271

CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 3/10/2016
Project/Program: 4th/Highland	
Prepared By: C Schumacher	Current Request: \$0
Dept Head: Ghassan Korban	6 Yr Total: \$0

General Project/Program Description: Facility is scheduled for demo in 2017.
--

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: 4th/Highland Structural 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
				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: 1000 Water Parking Structure Repairs Requesting Department: DPW- PARKING FUND
 Prepared By/Phone Ext: Chuck Schumacher x3271 Department Head Signature: *Gabeon Kuhn*
 Account No: PA160040200

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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

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. Replace leaking expansion joints, apply water repellant 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 repellant 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 **Account No.:** PA160040200
Project/Program Title: 1000 Water Parking Garage Repairs

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request						\$0
2018 Projection						\$0
2019 Projection						\$0
2020 Projection					\$613,000	\$613,000
2021 Projection					\$396,000	\$396,000
2022 Projection						\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$1,009,000	\$1,009,000
Total Project Cost	\$0	\$0	\$0	\$0	\$1,009,000	\$1,009,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- 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: 03/01/20

Estimated Completion Date: 11/30/21

Department Head Signature



Prepared By/Phone Ext

Chuck Schumacher x3271

CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 3/10/2016
Project/Program: 1000 Water Parking Structure Repairs	
Prepared By: C Schumacher	Current Request: \$0
Dept Head: Ghassan Korban	6 Yr Total: \$232,000

General Project/Program Description:
 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. 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

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 N Water Structural 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>				
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>				
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>				
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 Parking Repairs

Requesting Department: DPW- PARKING FUND

Prepared By/Phone Ext: Chuck Schumacher x3271

Department Head Signature: *Chelsea Kuhn*

Account No: PA16080170

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 6

D) Total Positions _____ Total FTEs _____

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

E) In Six Year Capital Improvement Plan

Yes 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

2017 - 2018 Make repairs to the north and south Kilbourn tunnel walls in conjunction with the WisDOT renovations of DOT owned portions of both tunnels. Both north and south tunnel walls exhibit concrete deterioration, spalling and exposed reinforcements in expansion joints. Additionally the south tunnel roof exhibits many spalls, delaminations and deteriorated areas. 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

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: MacArthur Square

Account No: PA16080170

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$1,610,000	\$1,610,000
2018 Projection					\$1,610,000	\$1,610,000
2019 Projection					\$1,464,000	\$1,464,000
2020 Projection					\$450,000	\$450,000
2021 Projection					\$963,000	\$963,000
2022 Projection					\$468,000	\$468,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$6,565,000	\$6,565,000
Total Project Cost	\$0	\$0	\$0	\$0	\$6,565,000	\$6,565,000

Life to Date Expenditures (Project Only)

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

	2017	2018	2019	2020	2021	2022
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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: 03/01/17

Estimated Completion Date: 11/30/21

Department Head Signature



Prepared By/Phone Ext

Chuck Schumacher x3271

CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 3/10/2016
Project/Program: MacArthur Square	
Prepared By: C Schumacher	Current Request: \$0
Dept Head: Ghassan Korban	6 Yr Total: \$6,565,000

General Project/Program Description:
 2017 - 2018 Make repairs to the north and south Kilbourn tunnel walls in conjunction with the WisDOT renovations of DOT owned portions of both tunnels. Both north and south tunnel walls exhibit concrete deterioration, spalling and exposed reinforcements in expansion joints. Additionally the south tunnel roof exhibits many spalls, delaminations and deteriorated areas. 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.

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**

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>				
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>				
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>				
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: Milwaukee Michigan

Requesting Department: DPW- PARKING FUND

Prepared By/Phone Ext: Chuck Schumacher x3271

Department Head Signature: *Gregory Kuhn*

Account No: PA160150300

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 2015-2020 2016-2021 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. 2021 - Replace electrical branch circuits and panels. Replace light fixtures, and replace 6th floor light fixtures and light poles.

G) Additional Comments

?

Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND **Account No.:** _____
Project/Program Title: Milwaukee Michigan

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request						\$0
2018 Projection						\$0
2019 Projection						\$0
2020 Projection						\$0
2021 Projection					\$232,000	\$232,000
2022 Projection						\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$232,000	\$232,000
Total Project Cost	\$0	\$0	\$0	\$0	\$232,000	\$232,000

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2017	2018	2019	2020	2021	2022
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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: 03/01/21
 Estimated Completion Date: 11/30/22

Chessa Kubin

Department Head Signature

Prepared By/Phone Ext Chuck Schumacher x3271

CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 3/10/2016
Project/Program: Milwaukee Michigan	
Prepared By: C Schumacher	Current Request: \$0
Dept Head: Ghassan Korban	6 Yr Total: \$232,000

General Project/Program Description:
 The City of Milwaukee is contractually obligated to Johnson Controls to undertake capital improvements in the structure. 2021 - Replace electrical branch circuits and panels. Replace light fixtures, and replace 6th floor light fixtures and light poles.

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 Structural 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>				
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>				
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>				
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: Miscellaneous Structural/Mechanical/Elec Maint Requesting Department: DPW- PARKING FUND
 Prepared By/Phone Ext: Chuck Schumacher 3271 Department Head Signature: *Glenn Kuhn*
 Account No: PA160150100

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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

2017-2022 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 **Account No:** PA160150100
Project/Program Title: Miscellaneous Structural/Mechanical/Elec Maint

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2015						\$0
2017 Budget Request					\$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
2022 Projection					\$200,000	\$200,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000
Total Project Cost	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000

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

Available Cost Estimate:		2017	2018	2019	2020	2021	2022
Thorough Cost Estimate		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

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

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

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

Estimated Start Date: 01/01/17

Estimated Completion Date: 12/31/22

Department Head Signature



Prepared By/Phone Ext

Chuck Schumacher 3271

CIC - Capital Improvement Request Part III

Department: DPW - Parking Fund	Date Submitted: 3/10/2016
Project/Program: Miscellaneous Structural/Mechanical/Elec Maint	
Prepared By: C Schumacher	Current Request: \$200,000
Dept Head: Ghassan Korban	6 Yr Total: \$1,200,000

General Project/Program Description:
 2017-2022 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

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: **Miscellaneous Structural/Mechanical/Elec Maint**

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>				
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>				
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>				
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: Surface and Tow Lot Repaving Requesting Department: DPW- PARKING FUND
 Prepared By/Phone Ext: Chuck Schumacher Department Head Signature: *Glenn Kuhn*
 Account No: PA160150200

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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

Pavement is deteriorating. 2017 - 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

BMD-100

Capital Improvement Request Part II

Requesting Department: DPW -PARKING FUND

Account No: PA160150200

Project/Program Title: Repave Surface Lots and Tow Lot

Special Assessment

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Enterprise	Special Assessment	Total Cost
Remaining Balance for 2015						\$0
2017 Budget Request				\$130,000		\$130,000
2018 Projection				\$30,000		\$30,000
2019 Projection				\$30,000		\$30,000
2020 Projection				\$30,000		\$30,000
2021 Projection				\$30,000		\$30,000
2022 Projection						\$0
Total Six Year Cost	\$0	\$0	\$0	\$250,000	\$0	\$250,000
Total Project Cost	\$0	\$0	\$0	\$250,000	\$0	\$250,000

Life to Date Expenditures (Project Only)

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

Available Cost Estimate:

	2017	2018	2019	2020	2021	2022
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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: 04/01/17

Estimated Completion Date: 11/30/17

Department Head Signature

Prepared By/Phone Ext

Chuck Schurmacher 3271

CIC - Capital Improvement Request Part III

Department:	DPW - Parking Fund	Date Submitted:	3/10/2016
Project/Program:	Surface and Tow Lot Repaving		
Prepared By:	C Schumacher	Current Request:	\$130,000
Dept Head:	Ghassan Korban	6 Yr Total:	\$250,000

General Project/Program Description:

Pavement is deteriorating. 2017 - 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.

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

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

Project/Program: Surface and Tow Lot Repaving

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>				
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>				
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>				
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: Single-space Parking Meters

Requesting Department: DPW - PARKING FUND

Prepared By/Phone Ext: Danielle Rodriguez X2404

Department Head Signature: 

Account No: PA160150400

A) Department Priority 2 of 3 Useful Life 15-Jan 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 4

D) Total Positions _____ Total FTEs _____

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

E) In Six Year Capital Improvement Plan

Yes 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

Single space meter pilot program currently in place. Testing credit-card enabled single space meters and parking space sensors to support smart parking solutions. Funding will provide for 3 year, phased replacement of beyond life-span single space meters and possibly multispace LUKE meters (dependant on pilot results). Current single space meters were installed in 1997 and are now 4 years past useful life-cycle.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW - PARKING **Account No.:** PA160150400
Project/Program Title: Single-space meter replacement

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$1,000,000	\$1,000,000
2018 Projection					\$1,225,000	\$1,225,000
2019 Projection						\$0
2020 Projection						\$0
2021 Projection						\$0
2022 Projection						\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$2,225,000	\$2,225,000
Total Project Cost	\$0	\$0	\$0	\$0	\$2,225,000	\$2,225,000

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


Available Cost Estimate:

Thorough Cost Estimate	2017	2018	2019	2020	2021	2022
Limited Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

Estimated Start Date: 01/01/16
 Estimated Completion Date: 12/31/19

Department Head Signature: 
 Prepared By/Phone Ext: Danielle Rodriguez x2404

CIC - Capital Improvement Request Part III

Department: DPW - PARKING	Date Submitted: 3/16/2016
Project/Program: Single Space Meter Replacement	
Prepared By: Danielle Rodriguez X2404	Current Request: \$1,000,000
Dept Head: Ghassan Korban	6 Yr Total: \$3,425,000

General Project/Program Description:
 Single space meter pilot program currently in place. Testing credit-card enabled single space meters and parking space sensors to support smart parking solutions. Funding will provide for 3 year, phased replacement of beyond life-span single space meters and possibly multispace LUKE meters (dependant on pilot results). Current single space meters were installed in 1997 and are now 4 years past useful life cycle.

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: Single Space meter replacement

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:

Each single space meter will be equipped with a credit card reader, providing more forms of payment options for resident to help aide compliance and ease of payment.

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:

These replacement single space meters will continue to create desired turnover in areas where parking is at a premium. In addition, these smart meters can be remotely programmed to adjust per hour pricing to accommodate area specific parking demand.

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:

Deploys in this project will increase meter maintenance costs as well as delay service excellence goals

Capital Improvement Request Form Part I

Project/Program Title: LPR License Plate Recognition units Requesting Department: DPW - PARKING FUND

Prepared By/Phone Ext: Danielle Rodriguez X2404 Department Head Signature: *Gabeon Kuhn*

Account No: _____

A) Department Priority 3 of 3 Useful Life 10-Jan 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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

In 2014, DPW installed (LPR) License Plate Recognition equipment in 28 enforcement jeeps. This equipment is for the enforcement of the virtual permit program that allows night parking enforcement to use technology to read the image of a license plate. Having enforcement jeeps outfitted with LPR reduces errors from manual entry, ended theft/loss of physical permits, aides online permit requests and payments thereby providing greater convenience for the public and less disruption at local police districts where physical permits were previously issued. This request is to purchase the remaining 12 units. These units are essential, once the full fleet of jeeps are outfitting with LPR, the virtual permit program can be expanded to various daytime permit programs.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW - PARKING **Account No.:** _____
Project/Program Title: Purchase additional LPR License Plate Recognition units

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$586,000	\$586,000
2018 Projection						\$0
2019 Projection						\$0
2020 Projection						\$0
2021 Projection						\$0
2022 Projection						\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$586,000	\$586,000
Total Project Cost	\$0	\$0	\$0	\$0	\$586,000	\$586,000

Life to Date Expenditures (Project Only)

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

Thorough Cost Estimate	2017	2018	2019	2020	2021	2022
Limited Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Were cost estimates confirmed by another source?

Yes No Uncertain

Are cost estimates based on industry standards?

Yes No Uncertain

Will city employees be performing any portion of the work?

Yes No Uncertain

Did you perform a cost/benefit analysis?

Yes No Uncertain

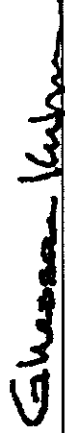
How will this project impact city operating expenditures?

Increase Decrease None

Estimated Start Date: 01/01/17

Estimated Completion Date: 12/31/18

Department Head Signature



Prepared By/Phone Ext

Danielle Rodriguez x2404

CIC - Capital Improvement Request Part III

Department: DPW - PARKING	Date Submitted: 2/29/2016
Project/Program: Purchase additional LPR units	
Prepared By: Danielle Rodriguez X2404	Current Request: \$586,000
Dept Head: Ghassan Korban	6 Yr Total: \$586,000

General Project/Program Description:

In 2014, DPW installed (LPR) License Plate Recognition equipment in 28 enforcement jeeps. This equipment is for the enforcement of the virtual permit program that allows night parking enforcement to use technology to read the image of a license plate. Having a enforcement jeeps outfitted with LPR reduces errors from manual entry, ended theft/loss of physical permits, aides online permit requests and payments thereby providing greater convenience for the public and less disruption at local police districts where

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: Additional LPR units

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 LPR system allow for significantly efficient enforcement of the parking permit program which will result in less abandon/nuisance vehicles in neighborhoods.				
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:				
New technology will support the infrastructure of an online permit system which will aide customers in purchase or permits and decrease mistakes made in manual permits system.				
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:				
Online permits and LPR technology significantly support the overall goals of Parking to support and enhance the overall transportation system in the city of Milwaukee. Parking services commitment to enhancing neighborhoods and business districts by producing appropriate parking turnover to support the needs of the various areas throughout Milwaukee.				
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:				
Parking fund will be source of revenue for this project.				

Capital Improvement Request Form Part I

Project/Program Title: Replace Parking Structure Rev Control & Access Equipment **Requesting Department:** DPW - PARKING
Prepared By/Phone Ext: Danielle Rodriguez X2404 **Department Head Signature:** 
Account No: _____

A) Department Priority 1 of 3 **Useful Life** 10 Years **Level of Need** Essential Important Desired
Type of Project New Replacement Repair **Project/Program Scope** Fully Defined Partially Defined
 On-Going Program **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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification
 2016 - Hire consultant to write specifications for RFP to replace all revenue control and access equipment at the 3 public revenue-generating parking garages; 1000 N Water, MacArthur Square and 2nd/Plankinton. 2017 - Select equipment vendor and replace equipment. These structures were converted from cashiered to cashier-less access in 2004. They are operated on a 24/7 basis. The current equipment is past its useful life and the software has limitations that prevent analytic data processing of high-level parking data. The hardware often requires maintenance and has customer service limitations. New hardware and software system will allow for improved service capabilities such as on-screen customer assistance, LPR, sensors and cameras as well as barcode readers and mobile technology integration.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW - Parking

Project/Program Title: Replace Parking Structure Rev Control & Access Equipment

Account No: _____

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$2,000,000	\$2,000,000
2018 Projection						\$0
2019 Projection						\$0
2020 Projection						\$0
2021 Projection						\$0
2022 Projection						\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000
Total Project Cost	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000

Life to Date Expenditures (Project Only)

	2017	2018	2019	2020	2021	2022
Available Cost Estimate:						
Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Available Cost Estimate:

Thorough Cost Estimate 2017 2018 2019 2020 2021 2022

Limited Information 2017 2018 2019 2020 2021 2022

Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022

Unsupported 2017 2018 2019 2020 2021 2022

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 *Ghassan Kaban*

Prepared By/Phone Ext _____

CIC - Capital Improvement Request Part III

Department: DPW - PARKING	Date Submitted: 2/29/2016
Project/Program: Replace Parking Structure Access and Revenue Control System	
Prepared By: Danielle Rodriguez X2404	Current Request: \$2,000,000
Dept Head: Ghassan Korban	6 Yr Total: \$2,050,000

General Project/Program Description:

2016 - Hire consultant to write specifications for RFP to replace all revenue control and access equipment at the 3 public revenue-generating parking garages; 1000 N Water, MacArthur Square and 2nd/Plankinton.
 2017 - Select equipment vendor and replace equipment. These structures were converted from cashiered to cashier-less access in 2004. They are operated on a 24/7 basis. The current equipment is past its useful life and the software has limitations that prevent

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: Replace Parking Structure Access and Revenue Control System

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:				
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?
Comments / Other Considerations:				
Current equipment beyond life-cycle. Company supported updates are limited in scope and usefulness.				
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:				
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:				
Delay of the project will increase down-time of current PARCS systems as the system is aged and continues to be problematic to customer service and regular tracking and control of funds.				

2017 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PROJECT GRANT NUMBER SM495170000	PROJECT/PROGRAM TITLE & LOCATION SEWER MAINTENANCE RELAY PROGRAM AT VARIOUS LOCATIONS THROUGHOUT THE CITY OF MILWAUKEE
DIVISION/ SECTION DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES	
DATE	PREPARED BY/PHONE
3/17/2016	Timothy J. Thur / 286-2463
PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION	
<p>The capital sewer program is a necessary function of City government because it is critical to public health and safety, reduces lake and river pollution, preserves neighborhood vitality and is needed for new growth and development. As an adjunct, the sewer program provides citizen employment and opportunities for enterprising businesses, as all capital sewer projects are constructed by private contract.</p> <p>Sewer Maintenance Relay Program construction, as part of the City's infrastructure maintenance, involves the replacement, and in many cases, the enlargement of existing combined, sanitary and storm sewers. There are four categories of projects in the Sewer Maintenance Relay Program.</p> <ol style="list-style-type: none"> 1. BACKWATER PROJECTS: Through rainfall and high ground water conditions, unwanted clear water enters the main sewer through cracks and joints in the sewer itself, building sewers, building footing drains and illegal/illicit sump pump and roof drain connections. When the main sewer is filled beyond its capacity (surcharged), the hydraulic pressure can reverse the direction of flow in the building sewers and cause the sewage to back up through the floor drains and flood basements (backwater). 2. CONDITION PROJECTS: The City's infrastructure needs to be adequately maintained. Sewers deteriorate and eventually fail to function. Although certain defects are tolerated, it is not acceptable to wait for failure to occur before taking corrective action. The reasons for taking preventive action are the public health threat, potential liability, premium costs paid for emergency repairs, unnecessary neighborhood disruptions and potentially large expenses for removing and replacing appurtenances in excess of that encountered with preventive sewer reconstruction. 3. HYDRAULIC CAPACITY PROJECTS: The hydraulic capacity of a sewer is determined by more than just its physical size. Also contributing to the capacity is the material from which it is constructed (roughness of the surface which changes over time), the type of flow (sewage contents), the pitch of the sewer (slope) and the capacity of the outlet (next sewer downstream). When sewers are determined to be hydraulically inadequate, preventive repairs must be performed to prevent surcharged conditions and the associated effects. 4. SEWER STRUCTURE CONSTRUCTION: New drainage structures shall be installed to minimize surface flooding problems. <p>There are three alternatives to the Sewer Maintenance Relay Program.</p> <ol style="list-style-type: none"> 1. Eliminate the program and allow sewage to back up into buildings and onto streets creating a health and safety hazard. 2. Eliminate the program and only do emergency repairs where collapses occur. Emergency repairs will require larger amounts of money than if the sewer were repaired prior to collapse. This would also, open the City up to legal litigation for not maintaining City owned sewer facilities. 3. Eliminate the program and install sewage holding tanks for the areas which had been served by the failed sewer. <p>None of these alternatives are considered to be in the best interest of the City.</p>	

Capital Improvement Request Form Part I

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

Requesting Department: Department of Public Works - Infrastructure Services

Prepared By/Phone Ext: Timothy J. Thur / 286-2463

Department Head Signature: *Chelsea Kuhn*

Account No: SM495170000

A) Department Priority _____ of _____ Useful Life 90 Years Level of Need Essential Important Desired

Type of Project New Replacement Repair On-Going Program

Project/Program Scope Fully Defined Partially Defined

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 2015-2020 2016-2021 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.: SM495170000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$31,000,000	\$31,000,000
2018 Projection					\$32,000,000	\$32,000,000
2019 Projection					\$32,000,000	\$32,000,000
2020 Projection					\$32,000,000	\$32,000,000
2021 Projection					\$33,000,000	\$33,000,000
2022 Projection					\$33,000,000	\$33,000,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$193,000,000	\$193,000,000
Total Project Cost	\$0	\$0	\$0	\$0	\$193,000,000	\$193,000,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

- 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: 01/01/17

Estimated Completion Date: On-Going

Department Head Signature

CIC - Capital Improvement Request Part III

Department:	DPW / Infrastructure Services	Date Submitted:	3/16/2016
Project/Program:	Sewer Maintenance Relay Program at Various Locations	Current Request:	\$31,000,000.00
Prepared By:	Timothy J. Thur	6 Yr Total:	\$193,000,000.00
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)?
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. 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?
Comments / Other Considerations:				
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	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:				
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?
Comments / Other Considerations:				
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.				

2017 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PROJECT GRANT NUMBER SM497170100		PROJECT/PROGRAM TITLE & LOCATION Sanitary Pump Rehabilitation Project
DIVISION/ SECTION DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES		
DATE	PREPARED BY/PHONE	
3/16/2016	Tim Thur / 286-2463	
<p><u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u></p> <p>The City of Milwaukee owns and maintains 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-ups of their property. These pump stations are located in areas that , historically , have had sewer backup occurrences during periods of heavy rain due to excessive stormwater or ground water entering into municipal wastewater systems.</p> <p>The Sanitary Pump Rehabilitation Program funds the rehabilitation and replacement of these facilities. Without this funding, these pumping stations will fail to operate. Failure of the sanitary lift stations will result in:</p> <ul style="list-style-type: none"> • Overflows of sanitary sewage onto the ground, streets, and waterways near the lift stations. This is in violation of DNR rules and creates a public health hazard. • Loss of sanitary sewer service for the existing areas that currently rely on the lift stations. • Loss of potential development for areas tributary to the lift stations. <p>Failure of the sanitary bypass pump stations will result in:</p> <ul style="list-style-type: none"> • Sanitary sewage back-ups into residential homes and businesses, causing a health hazard and extensive damage. 		

Capital Improvement Request Form Part I

Project/Program Title: Sanitary Pump Rehabilitation project Requesting Department: Department of Public Works - Infrastructure Services

Prepared By/Phone Ext: Tim Thur, 286-2463 Department Head Signature: *Ghassan Khatib*

Account No: SM497170100

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 2015-2020 2016-2021 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.:** SM497170100

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$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
2022 Projection					\$700,000	\$700,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$4,200,000	\$4,200,000
Total Project Cost	\$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 2017 2018 2019 2020 2021 2022
- 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: 01/01/17

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:	3/16/2016
Project/Program:	Sanitary Pump Rehabilitation Program		
Prepared By:	Tim Thur	Current Request:	\$700,000
Dept Head:		6 Yr Total:	\$4,200,000

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.				
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.				
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.				
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:				

2017 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PROJECT GRANT NUMBER <p style="text-align: center;">SM497170200</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	PREPARED BY/PHONE	
3/16/2016	Tim Thur / 286-2463	
<u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u>		
<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

DEPARTMENT OF PUBLIC WORKS /
INFRASTRUCTURE SERVICES

Project/Program Title: River channel maintenance

Requesting Department: _____

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

Department Head Signature: *Gregory Kuhn*

Account No: SM497170200

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 2015-2020 2016-2021 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: SM497170200

Project/Program Title: River channel maintenance

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$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
2022 Projection					\$200,000	\$200,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000
Total Project Cost	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

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: 01/01/17

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
 Project/Program: River Channel Maintenance
 Prepared By: Tim Thur
 Dept Head: _____

Date Submitted: 3/16/2016
 Current Request: \$200,000
 6 Yr Total: \$1,200,000

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>				

2017 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PROJECT GRANT NUMBER SM494170000	PROJECT/PROGRAM TITLE & LOCATION Infiltration/Inflow Reduction Program
DIVISION/ SECTION DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES	
DATE	PREPARED BY/PHONE
3/17/2016	Timothy J. Thur / 286-2463
<u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u>	
<p>Infiltration and Inflow is often referred to as I/I and is the occurrence of stormwater or ground water entering into municipal wastewater systems. This extraneous water enters the sanitary sewer system through cracked pipes, leaking manholes as well as downspouts, sump pumps and foundation drains from homes that are connected directly to the sanitary sewer system.</p> <p>Once this stormwater enters the sanitary sewer it adds to the daily volume of wastewater that must be collected, pumped and treated by the Milwaukee Metropolitan Sewerage District (MMSD).</p> <p>When too much excess water enters our sewers as Infiltration or Inflow the following problems may occur:</p> <ul style="list-style-type: none"> • Sewage may backup into residents homes creating a health hazard and an expensive cleanup of their property; • Sewage may overflow from manholes or bypass treatment facilities contaminating properties as well as rivers and Lake Michigan; • Infiltration and inflow will use up existing hydraulic capacity in our sewers which will restrict the opportunity for growth; • Excessive water in our sewers will decrease the efficiency of MMSD's treatment plants and will result in higher operating costs of these plants as well as increased utility bills to residents. <p>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.</p> <p>If funds are not approved the following results may occur:</p> <ul style="list-style-type: none"> • Sewage may backup into residents homes creating a health hazard and an expensive cleanup of their property; • Sewage may overflow from manholes or bypass treatment facilities contaminating properties as well as rivers and Lake Michigan; • Infiltration and inflow will use up existing hydraulic capacity in our sewers which will restrict the opportunity for growth; • Excessive water in our sewers will decrease the efficiency of MMSD's treatment plants and will result in higher operating costs of these plants as well as increased utility bills to residents. • The City will not be able to do the required work as mentioned above, and will be out of compliance with MMSD's 2020 Facilities Plan. These violations could result in fines and possibly lost of grant funding. 	

Capital Improvement Request Form Part I

Department of Public Works -
Infrastructure Services

Project/Program Title: Infiltration/Inflow Reduction Program

Requesting Department: _____

Prepared By/Phone Ext: Timothy J. Thur / 286-2463

Department Head Signature: 

Account No: SM494170000

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 2015-2020 2016-2021 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: SM494170000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request		\$1,650,000			\$5,000,000	\$6,650,000
2018 Projection		\$1,650,000			\$5,000,000	\$6,650,000
2019 Projection		\$1,650,000			\$5,000,000	\$6,650,000
2020 Projection		\$1,650,000			\$5,000,000	\$6,650,000
2021 Projection					\$5,000,000	\$5,000,000
2022 Projection					\$5,000,000	\$5,000,000
Total Six Year Cost	\$0	\$6,600,000	\$0	\$0	\$30,000,000	\$36,600,000
Total Project Cost	\$0	\$6,600,000	\$0	\$0	\$30,000,000	\$36,600,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

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: 01/01/17

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:	3/17/2016
Project/Program:	Infiltration/Inflow Reduction Program	Current Request:	\$5,000,000.00
Prepared By:	Timothy J. Thur	6 Yr Total:	\$36,600,000
Dept Head:			

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 MMSD's 2020 Facilities Plan.

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

Project/Program: Infiltration/Inflow Reduction 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:				
The Infiltration and Inflow reduction 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?
Comments / Other Considerations:				
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?
Comments / Other Considerations:				
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?
Comments / Other Considerations:				
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.				

2017 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PROJECT GRANT NUMBER SM499170000	PROJECT/PROGRAM TITLE & LOCATION Water Quality Projects to meet Total Maximum Daily Load (TMDL) Requirements
DIVISION/ SECTION DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES	
DATE	PREPARED BY/PHONE
3/16/2016	Tim Thur / 286-2463
<u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u>	
<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: SM499170000

Requesting Department: DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES
 Department Head Signature: *Gabeon 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
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

E) In Six Year Capital Improvement Plan
 Yes 2015-2020 2016-2021 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.: SM499170000

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request		\$664,000			\$1,000,000	\$1,664,000
2018 Projection		\$664,000			\$1,000,000	\$1,664,000
2019 Projection		\$725,000			\$1,000,000	\$1,725,000
2020 Projection					\$1,000,000	\$1,000,000
2021 Projection					\$1,000,000	\$1,000,000
2022 Projection					\$1,000,000	\$1,000,000
Total Six Year Cost	\$0	\$2,053,000	\$0	\$0	\$6,000,000	\$8,053,000
Total Project Cost	\$0	\$2,053,000	\$0	\$0	\$6,000,000	\$8,053,000

Life to Date Expenditures (Project Only)

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

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

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

How will this project impact city operating expenditures?

- Increase Decrease None

Estimated Start Date: 01/01/17

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:	3/16/2016
Project/Program:	Water Quality Projects to meet Total Maximum Daily Load (TMDL) Requirements	Current Request:	\$1,664,000
Prepared By:	Tim Thur	6 Yr Total:	\$8,053,000
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)?

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:

2016 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PROJECT GRANT NUMBER SM497170300		PROJECT/PROGRAM TITLE & LOCATION Flood Mitigation Program
DIVISION/ SECTION DEPARTMENT OF PUBLIC WORKS / INFRASTRUCTURE SERVICES		
DATE 3/16/2016	PREPARED BY/PHONE Tim Thur/ 286-2463	
<p><u>PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION</u></p> <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"> • Increased risk to private property from flooding. • Increase risk to public health due to flood damage in basements. • Increase risk of basement back-ups due to stormwater entering and overwhelming the sanitary sewer system. 		

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: *Colleen Kuhn*

Account No: SM497170300

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 2015-2020 2016-2021 Yes, Modified New Request

F) Project/Program Justification

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW/ INFRASTRUCTURE SERVICES SM497170300
Project/Program Title: Flood Mitigation Program Account No:

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$1,500,000	\$1,500,000
2018 Projection					\$0	\$0
2019 Projection					\$0	\$0
2020 Projection					\$0	\$0
2021 Projection					\$0	\$0
2022 Projection					\$0	\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000
Total Project Cost	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000

Life to Date Expenditures (Project Only)

2017	2018	2019	2020	2021	2022
\$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: 01/01/17
 Estimated Completion Date: 12/31/19

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

CIC - Capital Improvement Request Part III

Department:	Department of Public Works - Infrastructure Services	Date Submitted:	3/16/2016
Project/Program:	Flood Mitigation Program	Current Request:	\$1,500,000
Prepared By:	Tim Thur	6 Yr Total:	\$1,500,000
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)?

Comments / Other Considerations:

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 ?

Comments / Other Considerations:

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?

Comments / Other Considerations:

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?

Comments / Other Considerations:

MILWAUKEE WATER WORKS CAPITAL IMPROVEMENTS								
2017 - 2022	As of:						2017-2022	
IMPROVEMENTS	2017	2018	3/11/2016	2019	2020	2021	2022	SIX YEAR
TOTAL WATER WORKS PROGRAM	\$ 29,200,000	\$ 48,265,000	\$ 37,070,000	\$ 40,650,000	\$ 39,915,000	\$ 51,000,000	\$ 246,100,000	TOTAL
WATER MAIN IMPROVEMENTS								
Non-Assessable Water Mains	\$ 22,740,000	\$ 26,800,000	\$ 26,990,000	\$ 29,990,000	\$ 29,800,000	\$ 29,990,000	\$ 166,310,000	
Assessable Water Mains	\$ 5,000	\$ 100,000	\$ 5,000	\$ 5,000	\$ 100,000	\$ 5,000	\$ 220,000	
Developer Water Mains	\$ 5,000	\$ 100,000	\$ 5,000	\$ 5,000	\$ 100,000	\$ 5,000	\$ 220,000	
Total Water Main Improvements	\$ 22,750,000	\$ 27,000,000	\$ 27,000,000	\$ 30,000,000	\$ 30,000,000	\$ 30,000,000	\$ 166,750,000	
Total Plant Improvements	\$ 6,450,000	\$ 21,265,000	\$ 10,070,000	\$ 10,650,000	\$ 9,915,000	\$ 21,000,000	\$ 79,350,000	
PLANT IMPROVEMENTS								
1 Linnwood Plant Building Improvements	\$ 750,000	\$ 665,000	\$ 1,110,000	\$ 1,500,000	\$ 100,000	\$ 250,000	\$ 4,375,000	
Roofs	450,000	225,000	425,000	750,000	-	-	1,850,000	
Expand Data Center and add Fire Suppression system	300,000	-	-	-	-	-	300,000	
Filter Building Ceilings	-	140,000	560,000	-	-	-	700,000	
Replace Sanitary Sewer	-	300,000	-	-	-	-	300,000	
Admin HVAC and Windows	-	-	125,000	750,000	-	-	875,000	
Security upgrades	-	-	-	-	100,000	-	100,000	
Repave perimeter drive	-	-	-	-	-	250,000	250,000	
2 Linnwood Plant Treatment Improvements	\$ 500,000	\$ 9,900,000	\$ 1,590,000	\$ 1,350,000	\$ 2,765,000	\$ 15,000,000	\$ 31,105,000	
Plant Steel Pipe Mitigation	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	
Motor control centers	-	1,650,000	1,090,000	-	765,000	-	3,505,000	
Air scour/media replacement pilot quadrant	-	6,000,000	-	-	-	-	6,000,000	
Ozone Contactor Roof	-	1,000,000	-	-	-	-	1,000,000	
Ozone Contractor Ceilings 1,2,3,4 rehabilitation	-	500,000	-	-	-	-	500,000	
Chemical feed system upgrades	-	250,000	-	-	-	-	250,000	
Filter influent pneumatic control valves	-	-	-	400,000	-	-	400,000	
Pump room butterfly valves (East)	-	-	-	250,000	-	-	250,000	
Washwater system - Pumps and VFD	-	-	-	200,000	1,500,000	-	1,700,000	
Filter media replacement	-	-	-	-	-	4,000,000	4,000,000	
Chemical Feed Static Mixers	-	-	-	-	-	500,000	500,000	
Solids Removal System	-	-	-	-	-	10,000,000	10,000,000	
3 Howard Plant Building Improvements	\$ 150,000	\$ 475,000	\$ 170,000	\$ 50,000	\$ 550,000	\$ 250,000	\$ 1,645,000	
Data Center Fire Suppression system	150,000	-	-	-	-	-	150,000	
Roofs	-	375,000	170,000	50,000	-	-	595,000	
Security upgrades	-	100,000	-	-	-	-	100,000	
Howard Chemfeed Room Ventilation upgrade	-	-	-	-	300,000	-	300,000	
Install Effluent Flow Tube and Meter	-	-	-	-	250,000	-	250,000	
Resurface concrete drive	-	-	-	-	-	250,000	250,000	

4 Howard Plant Treatment Improvements	\$ 450,000	\$ 900,000	\$ 550,000	\$ 550,000	\$ -	\$ 1,000,000	\$ 3,450,000
Chemical feed storage tank SHC	450,000	-	-	-	-	-	450,000
Motor Control Centers	-	350,000	350,000	350,000	-	-	1,050,000
Ozone contactor roof refurbishing	-	350,000	-	-	-	-	350,000
Flocculator system upgrade	-	200,000	200,000	200,000	-	-	600,000
Filter media replacement/Air Scour	-	-	-	-	-	1,000,000	1,000,000
5 Pump Facilities Improvements	\$ 125,000	\$ 5,500,000	\$ 2,850,000	\$ 5,200,000	\$ 4,500,000	\$ 2,500,000	\$ 20,675,000
Howard substation/switchgear	75,000	3,000,000	-	-	-	-	3,075,000
Lincoln Substation	50,000	-	2,200,000	-	-	-	2,250,000
North Point tunnel inspection and repair	-	2,500,000	-	-	-	-	2,500,000
Texas pump upgrades	-	-	500,000	-	-	-	500,000
Florist tank/pump station study	-	-	150,000	-	-	-	150,000
Linnwood Raw Water Pumps	-	-	-	2,300,000	3,000,000	-	5,300,000
Linnwood pump B (cone) valve replacement	-	-	-	1,700,000	-	-	1,700,000
Riverside pumps and valves upgrade	-	-	-	500,000	500,000	-	1,000,000
North Point pump upgrades	-	-	-	500,000	-	-	500,000
Various - Energy Efficiency	-	-	-	100,000	-	-	100,000
Various - Security Upgrades	-	-	-	100,000	-	-	100,000
Texas HVAC	-	-	-	-	500,000	-	500,000
North Point HVAC	-	-	-	-	500,000	-	500,000
Lincoln Pump Upgrades	-	-	-	-	-	1,500,000	1,500,000
Texas electrical upgrades, Power Monitor	-	-	-	-	-	1,000,000	1,000,000
6 Storage Facilities Improvements	\$ 2,300,000	\$ 1,400,000	\$ 1,800,000	\$ -	\$ -	\$ -	\$ 5,500,000
Florist - Structural Work & Paint Tank #1 - 1964	1,800,000	-	-	-	-	-	1,800,000
Lincoln - Soil Mitigation	500,000	-	-	-	-	-	500,000
Linnwood North Reservoir Roof Construction	-	1,400,000	-	-	-	-	1,400,000
Florist - Structural Work & Paint Tank #2 - 1994	-	-	1,800,000	-	-	-	1,800,000
7 Meter Repair Shop	\$ 175,000	\$ 425,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000
Bulk Water Fill System – Meter Shop Location	175,000	-	-	-	-	-	175,000
Perimeter Security and Gate Replacement	-	125,000	-	-	-	-	125,000
Parking Lot Pavement Replacement	-	300,000	-	-	-	-	300,000
8 Backup Power Generation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	-	-	-	-	-	-	-
9 Capital Projects Contingencies	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 12,000,000
	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000

**MILWAUKEE WATER WORKS
2017 CAPITAL IMPROVEMENT PROGRAM**

WATER MAIN IMPROVEMENTS PROGRAM

Non-Assessable Water Mains	\$22,750,000
Assessable Water Mains	\$5,000
Developer Water Mains	\$5,000
 Total Mains	 <u>\$22,750,000</u>

WATER PLANTS PROGRAM

<u>PROGRAM CATEGORY</u>	<u>ESTIMATED COST</u>
1. Linnwood Plant Building Improvements	\$750,000
2. Linnwood Plant Treatment Improvements	\$500,000
3. Howard Plant Building Improvements	\$150,000
4. Howard Plant Treatment Improvements	\$450,000
5. Pump Facilities Improvements	\$125,000
6. Storage Facilities Improvements	\$2,300,000
7. Meter Facilities Improvements	\$175,000
8. Backup Power Generation	\$0
9. Capital Projects Contingencies	\$2,000,000
 TOTAL WATER PLANT PROGRAM	 <u>\$6,450,000</u>
TOTAL MAINS PROGRAM	<u>\$22,750,000</u>
 TOTAL PROGRAM	 <u>\$29,200,000</u>

NON-O&M FUNDING REPORT

Budget Year 2017

- Reimbursables
- Capital Improvements
- Grant and Aid

Department/Division: DPW / Milwaukee Water Works, 6413 Water Engineering
 Prepared By and Phone No: Carrie M. Lewis, Superintendent, 414-286-2801

Complete a separate BMD-52 form for each Non-O&M funding category. If necessary, attach additional copies of the form. Provide a total for each Non-O&M funding category and then provide an itemized list of each separate project within the funding category. Provide a brief description of each project and clearly identify CDBG funded projects as funded by the CDBG grant. Identify all positions wholly or partially supported by each project. If any carryover funding from prior budgets is assumed for 2013, identify the amount of carryover funds assumed within each project.

Org No	Name of Project With Brief Description	Total Work Hours	Positions	Salaries and Wages	Fringe Benefits	Other Costs	Total Costs
6413	Water Engineering CIP Program						
1	Civil Engineer II	4,000.0	5	80,000	35,200		115,200
2	Civil Engineer III	5,500.0	5	198,000	87,120		285,120
3	Electrical Engineer III	2,500.0	2	95,000	41,800		136,800
4	Engineering Drafting Technician II	120.0	1	2,220	977		3,197
5	Engineering Drafting Technician IV	5,800.0	7	150,000	66,000		216,000
6	Engineering Drafting Technician V	80.0	1	2,480	1,091		3,571
7	Engineering Technician IV	11,000.0	11	330,000	145,200		475,200
8	Engineering Technician V	600.0	1	21,000	9,240		30,240
9	Mechanical Engineer III	1,200.0	1	47,400	20,856		68,256
10	Management Civil Engineer Senior	3,000.0	3	62,250	27,390		89,640
11	Office Assistant IV	100.0	1	2,000	880		2,880
	Overtime (Mains Design)	1,000.0	0	45,000	19,800		64,800
	Overtime (Inspection)	4,000.0	0	180,000	79,200		259,200
	Overtime (Plants Design)	100.0	0	6,000	2,640		8,640
	TOTALS	39,000.0	38.0	\$ 1,221,350	\$ 537,394	\$ -	\$ 1,758,744

Capital Improvement Request Form Part I

Project/Program Title: 2017-2022 Non-assessable Water Main Program 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 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 2015-2020 2016-2021 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 04206410R999
Project/Program Title: 2017-2022 Non-assessable Water Main Program Account No:

Year	Special Assessment			Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	
Remaining Balance for 2016				\$0
2017 Budget Request			\$22,750,000	\$22,750,000
2018 Projection			\$27,000,000	\$27,000,000
2019 Projection			\$27,000,000	\$27,000,000
2020 Projection			\$30,000,000	\$30,000,000
2021 Projection			\$30,000,000	\$30,000,000
2022 Projection			\$30,000,000	\$30,000,000
Total Six Year Cost	\$0	\$0	\$166,750,000	\$166,750,000
Total Project Cost	\$0	\$0	\$166,750,000	\$166,750,000

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


- Available Cost Estimate:**
- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
 - 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: 01/01/17

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:	3/21/2016
Project/Program:	2017-2022 Non-assessable Water Main Program	Current Request:	\$22,750,000
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$166,750,000
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: 2017-2022 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	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.
	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	Economic / Community Development
	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	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?
	Project Specific			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: 2017-2022 Assessable Water Main Program Requesting Department: DPW/Milwaukee Water Works

Prepared By/Phone Ext: Carrie M. Lewis/2801 Department Head Signature: *CML* *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 2015-2020 2016-2021 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: 2017-2022 Assessable Water Main Program

Year	Special Assessment				Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	Enterprise	
Remaining Balance for 2016					\$0
2017 Budget Request				\$5,000	\$5,000
2018 Projection				\$100,000	\$100,000
2019 Projection				\$5,000	\$5,000
2020 Projection				\$5,000	\$5,000
2021 Projection				\$100,000	\$100,000
2022 Projection				\$5,000	\$5,000
Total Six Year Cost	\$0	\$0	\$0	\$220,000	\$220,000
Total Project Cost	\$0	\$0	\$0	\$220,000	\$220,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

- 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: 01/01/17

Estimated Completion Date: _____

Department Head Signature *[Signature]*

[Signature]

Prepared By/Phone Ext

Carrie M. Lewis/2801

CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/21/2016
Project/Program:	2017-2022 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 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: 2017-2022 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>				
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>				
Economic / Community Development				
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>				
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: 2017-2022 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 2015-2020 2016-2021 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: 2017-2022 Developer Water Main Program

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$5,000	\$5,000
2018 Projection					\$100,000	\$100,000
2019 Projection					\$5,000	\$5,000
2020 Projection					\$5,000	\$5,000
2021 Projection					\$100,000	\$100,000
2022 Projection					\$5,000	\$5,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$220,000	\$220,000
Total Project Cost	\$0	\$0	\$0	\$0	\$220,000	\$220,000

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

Available Cost Estimate:

Thorough Cost Estimate 2017 2018 2019 2020 2021 2022

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: 01/01/17

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: 3/21/2016
Project/Program: 2017-2022 Developer Water Main Program	
Prepared By: Carrie M. Lewis, Superintendent	Current Request: \$5,000
Dept Head: Ghassan Korban, Commissioner	6 Yr Total: \$220,000

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: 2017-2022 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?
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
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	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

2017 - 2022 Linnwood Plant Building
Improvements Program

Project/Program Title: _____

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 2015-2020 2016-2021 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 2017 Budget Authority, are the South Pipe Gallery Roof, the Southwest Drive End House Roof, the Southeast Drive End House Roof and the East Pump Room Roof. 2) The existing equipment power-supply wiring, equipment interconnecting wiring, and grounding of the Linnwood data center does not meet National Electric Code (NEC) requirements. The available space has reached maximum capacity and there is no room for expansion needs. With the current space and so many openings in the data center walls there is no effective way to install a fire suppression system.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works
Project/Program Title: 2017 - 2022 Linwood Plant Building Improvements Program **Account No:** 04206410R999

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$750,000	\$750,000
2018 Projection					\$665,000	\$665,000
2019 Projection					\$1,110,000	\$1,110,000
2020 Projection					\$1,500,000	\$1,500,000
2021 Projection					\$100,000	\$100,000
2022 Projection					\$250,000	\$250,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$4,375,000	\$4,375,000
Total Project Cost	\$0	\$0	\$0	\$0	\$4,375,000	\$4,375,000

Life to Date Expenditures (Project Only)

	\$0	\$0	\$0	\$0
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Available Cost Estimate:
 Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
 Limited Information 2017 2018 2019 2020 2021 2022
 Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
 Unsupported 2017 2018 2019 2020 2021 2022

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: 01/01/17
 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:	3/21/2016
Project/Program:	2017 - 2022 Linnwood Plant Building Improvements Program	Current Request:	\$750,000
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$4,375,000
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: 2017 - 2022 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 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

2017 - 2022 Linnwood Plant Treatment Improvements Program

Project/Program Title: 2017 - 2022 Linnwood Plant Treatment Improvements 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 2015-2020 2016-2021 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) 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 2017 request continues the rehabilitation of the pipes.

G) Additional Comments

The Linnwood Water Treatment Plant uses a series of pumps and piping to backwash their filter beds between service run times. The piping on the suction side of the pumps has multiple leaks which have been repaired with clamps but the pipe remains in poor condition. The north loop of the wash water discharge piping has a leak and operating with this leak may cause further pipe deterioration and erosion of the soil on the treatment plant property. An interior lining or coating will have to be installed in both the suction and north discharge piping. This repair will provide a leak-proof, corrosion inhibiting layer of protection as well as structural strength. The lining will be a complete structural pipe and will not rely on the host pipe for strength.

Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works
 Account No.: 04206410R999
Project/Program Title: 2017 - 2022 Linwood Plant Treatment Improvements Program

Year	Tax Levy/Borrowing			Grant & Aid		Revenue		Special Assessment		Enterprise	Total Cost
Remaining Balance for 2016											\$0
2017 Budget Request										\$500,000	\$500,000
2018 Projection										\$9,900,000	\$9,900,000
2019 Projection										\$1,590,000	\$1,590,000
2020 Projection										\$1,350,000	\$1,350,000
2021 Projection										\$2,765,000	\$2,765,000
2022 Projection										\$15,000,000	\$15,000,000
Total Six Year Cost						\$0		\$0	\$0	\$31,105,000	\$31,105,000
Total Project Cost						\$0		\$0	\$0	\$31,105,000	\$31,105,000

Life to Date Expenditures (Project Only)

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


Thorough Cost Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Based on Cost of Similar Projects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unsupported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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: 01/01/17
 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:	3/21/2016
Project/Program:	2017 - 2022 Linnwood Plant Treatment Improvements Program	Current Request:	\$500,000
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$31,105,000
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: 2017 - 2022 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 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: 2017 - 2022 Howard Plant Building Improvements

Requesting Department: DPW/Milwaukee Water Works

Prepared By/Phone Ext: Carrie M. Lewis/2801

Department Head Signature: *Ghassan Khatib*

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 2015-2020 2016-2021 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. 1) With the amount of new data and electrical equipment in the Howard Water Treatment Plant's Data Center, and the heat generated in that space, a fire is a real and constant threat. A fire suppression system is essential to minimize downtime should a fire start in the existing data center.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works **Account No.:** 04206410R999
Project/Program Title: 2017 - 2022 Howard Plant Building Improvements

Year	Tax Levy/Borrowing		Grant & Aid		Revenue		Special Assessment		Enterprise		Total Cost
Remaining Balance for 2016											\$0
2017 Budget Request									\$150,000		\$150,000
2018 Projection									\$475,000		\$475,000
2019 Projection									\$170,000		\$170,000
2020 Projection									\$50,000		\$50,000
2021 Projection									\$550,000		\$550,000
2022 Projection									\$250,000		\$250,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,645,000		\$1,645,000
Total Project Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,645,000		\$1,645,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

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: 01/01/17

Estimated Completion Date: _____

Department Head Signature




Prepared By/iPhone Ext

Carrie M. Lewis/2801

CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/21/2016
Project/Program:	2017 - 2022 Howard Plant Building Improvements	Current Request:	\$150,000
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$1,645,000
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: 2017 - 2022 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 - 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: 2017 - 2022 Howard Plant Treatment 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 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 2015-2020 2016-2021 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) 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 second year of this budgeting is for construction in 2017. The 2016 budget covered analysis and design.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works
 Account No: 04206410R999
Project/Program Title: 2017 - 2022 Howard Plant Treatment Improvements

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$450,000	\$450,000
2018 Projection					\$900,000	\$900,000
2019 Projection					\$550,000	\$550,000
2020 Projection					\$550,000	\$550,000
2021 Projection						\$0
2022 Projection					\$1,000,000	\$1,000,000
Total Six Year Cost	\$0	\$0	\$0	\$0	\$3,450,000	\$3,450,000
Total Project Cost	\$0	\$0	\$0	\$0	\$3,450,000	\$3,450,000

Life to Date Expenditures (Project Only)

2017	2018	2019	2020	2021	2022
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

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: _____ 01/01/17

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: 3/21/2016
Project/Program: 2017 - 2022 Howard Plant Treatment Improvements	
Prepared By: Carrie M. Lewis, Superintendent	Current Request: \$450,000
Dept Head: Ghassan Korban, Commissioner	6 Yr Total: \$3,450,000

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: 2017 - 2022 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 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: 2017 - 2022 Pump 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 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 2015-2020 2016-2021 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 switchgear located in the Howard Plant pump room mezzanine area. The budget for this project will allow design to take place. 2) The Lincoln Ave. Pumping Station 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 replacement of the existing substation transformer. The budget for this project will allow design to take place.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works

Project/Program Title: 2017 - 2022 Pump Facilities Improvements

Account No: 04206410R999

Year	Tax Levy/Borrowing			Grant & Aid			Revenue			Special Assessment			Enterprise			Total Cost		
Remaining Balance for 2016																		\$0
2017 Budget Request																		\$125,000
2018 Projection																		\$5,500,000
2019 Projection																		\$2,850,000
2020 Projection																		\$5,200,000
2021 Projection																		\$4,500,000
2022 Projection																		\$2,500,000
Total Six Year Cost			\$0			\$0			\$0			\$0			\$0			\$20,675,000
Total Project Cost			\$0			\$0			\$0			\$0			\$0			\$20,675,000

Life to Date Expenditures (Project Only)

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

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

Were cost estimates confirmed by another source? Yes No Uncertain

Are cost estimates based on industry standards? Yes No Uncertain

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

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

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

Estimated Start Date: 01/01/17

Estimated Completion Date: _____

Department Head Signature:

Carrie M. Lewis

Prepared By/iPhone Ext

Carrie M. Lewis/2801

CIC - Capital Improvement Request Part III

Department:	PUBLIC WORKS-Milwaukee Water Works	Date Submitted:	3/21/2016
Project/Program:	2017 - 2022 Pump Facilities Improvements		
Prepared By:	Carrie M. Lewis, Superintendent	Current Request:	\$125,000
Dept Head:	Ghassan Korban, Commissioner	6 Yr Total:	\$20,675,000

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?
				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: 2017 - 2022 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 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: 2017 - 2022 Storage Facilities Improvements Requesting Department: DPW/Milwaukee Water Works
 Prepared By/Phone Ext: Carrie M. Lewis/2801 Department Head Signature: *Ghassan Kuhn*
 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 2015-2020 2016-2021 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) The ground water storage tank, installed in 1964, is one of the two 12M gallon tanks of the Florist Booster District serving the northwest part of the City of Milwaukee, Menomonee Falls and Mequon. The existing storage tank's neoprene waterproofing system has failed and needs replacement. The paint coatings have failed and structural damage has been observed. A long term waterproofing system is needed on the structure. 2) Soil at the Lincoln facility has tested positive for lead and resulted in a "Notification for Hazardous Substance Discharge" being submitted to the Wisconsin Department of Natural Resources. The WIDNR requires an investigation and cleanup of the contamination of the site. Funds are for consultant fees and costs to remediate the site.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works

Project/Program Title: 2017 - 2022 Storage Facilities Improvements

Account No: 04206410R999

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$2,300,000	\$2,300,000
2018 Projection					\$1,400,000	\$1,400,000
2019 Projection					\$1,800,000	\$1,800,000
2020 Projection					\$0	\$0
2021 Projection					\$0	\$0
2022 Projection					\$0	\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$5,500,000	\$5,500,000
Total Project Cost	\$0	\$0	\$0	\$0	\$5,500,000	\$5,500,000

Life to Date Expenditures (Project Only)

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

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

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: _____ 01/01/17

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:	3/21/2016
Project/Program:	2017 - 2022 Storage Facilities Improvements	Current Request:	\$2,300,000
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$5,500,000
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
<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: 2017 - 2022 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 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>				
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>				
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>				
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: 2017 - 2022 Meter Repair Shop Requesting Department: DPW/Milwaukee Water Works
 Prepared By/Phone Ext: Carrie M. Lewis/2801 Department Head Signature: *G. 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>	<u>1</u>	_____	\$ _____

E) In Six Year Capital Improvement Plan

Yes 2015-2020 2016-2021 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. 1) Bulk Water Fill Stations are locations that allow authorized purchase of water to fill trucks equipped with tanks, for example, landscapers, pavement cutting contractors, swimming pool filling companies, etc. It is intended that the system would be fully automated. One possible solution involves the customer/contractor being issued a preloaded "water debit" card where they would then be able to access water 24/7/365. The first station would be located at the Water Meter Shop at 2919 W Cameron Av, with other locations yet to be determined.

G) Additional Comments

Capital Improvement Request Part II

Requesting Department: DPW/Milwaukee Water Works

Project/Program Title: 2017 - 2022 Meter Repair Shop

Account No: 04206410R999

Year	Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2016						\$0
2017 Budget Request					\$175,000	\$175,000
2018 Projection					\$425,000	\$425,000
2019 Projection					\$0	\$0
2020 Projection					\$0	\$0
2021 Projection					\$0	\$0
2022 Projection					\$0	\$0
Total Six Year Cost	\$0	\$0	\$0	\$0	\$600,000	\$600,000
Total Project Cost	\$0	\$0	\$0	\$0	\$600,000	\$600,000

Life to Date Expenditures (Project Only)

2017	2018	2019	2020	2021	2022
\$0	\$0	\$0	\$0	\$0	\$0

Available Cost Estimate:

- Thorough Cost Estimate 2017 2018 2019 2020 2021 2022
- Limited Information 2017 2018 2019 2020 2021 2022
- Based on Cost of Similar Projects 2017 2018 2019 2020 2021 2022
- Unsupported 2017 2018 2019 2020 2021 2022

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: 01/01/17

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:	3/21/2016
Project/Program:	2017 - 2022 Meter Repair Shop		
Prepared By:	Carrie M. Lewis, Superintendent	Current Request:	\$175,000
Dept Head:	Ghassan Korban, Commissioner	6 Yr Total:	\$600,000

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: 2017 - 2022 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	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: 2017 - 2022 Capital Projects Contingencies 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 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 2015-2020 2016-2021 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: 2017 - 2022 Capital Projects Contingencies

Year	Special Assessment			Enterprise			Total Cost
	Tax Levy/Borrowing	Grant & Aid	Revenue	Assessment	Enterprise	Total Cost	
Remaining Balance for 2016						\$0	
2017 Budget Request					\$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	
2022 Projection					\$2,000,000	\$2,000,000	
Total Six Year Cost	\$0	\$0	\$0	\$0	\$12,000,000	\$12,000,000	
Total Project Cost	\$0	\$0	\$0	\$0	\$12,000,000	\$12,000,000	

Life to Date Expenditures (Project Only)

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

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

Were cost estimates confirmed by another source?

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: 01/01/17

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:	3/21/2016
Project/Program:	2017 - 2022 Capital Projects Contingencies	Current Request:	\$2,000,000
Prepared By:	Carrie M. Lewis, Superintendent	6 Yr Total:	\$12,000,000
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
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			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: 2017 - 2022 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 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>				