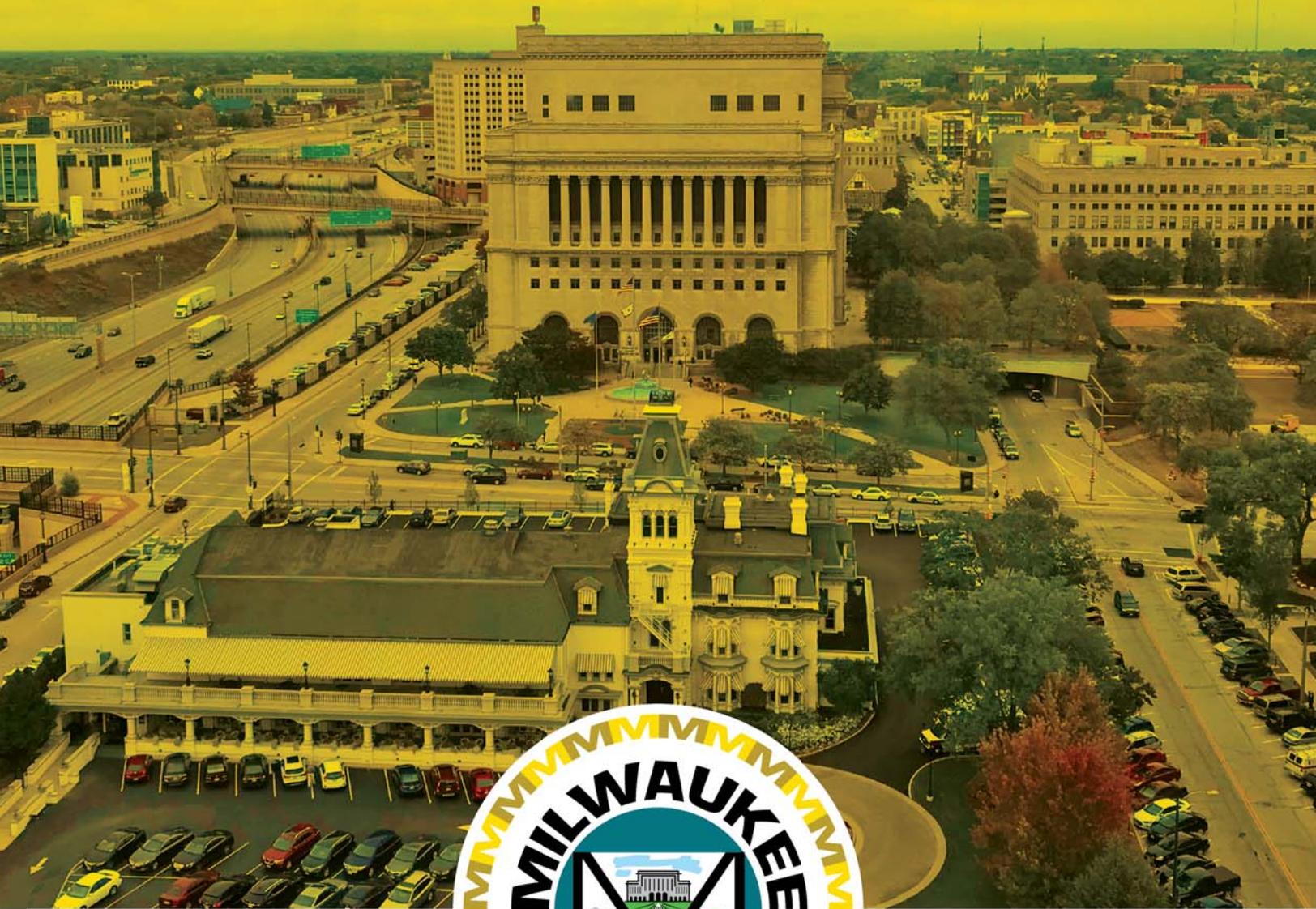


# MILWAUKEE COUNTY

OFFICE OF PERFORMANCE, STRATEGY & BUDGET



**Chris Abele**, *County Executive*

## 2019 RECOMMENDED CAPITAL BUDGET





**Milwaukee County Executive**  
**Chris Abele**

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**Special Thanks to:**

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**Elected Officials • Department Heads • Departmental Fiscal Staff  
Staff of the Office of the Comptroller**



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(1st District)

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(5th District)

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**Deanna Alexander**

#### **13th District**

**Willie Johnson, Jr.**



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**Milwaukee County  
2019 Capital Improvements Budget Summary**

Project Category			Project			Description			Net County Contribution Towards Capital EXP					Net Non-County Revenue Towards Capital EXP				
Project Category	Project	Project	Net County Contribution	Sales Tax Revenue	Misc Revenue/ VRF*	Property Tax Levy	Revenue/Airport Reserve	Bonds	Reimbursement Revenue	Federal	State	Local	Private Contribution					
			<b>Total Capital EXP</b>															
O, C	WH010	WH01008	2,497,000					2,497,000										
O, C	WH095	WH09501	3,700,000						1,203,000		1,203,000							
O, C	WH110	WH11001	460,000					100,000	360,000									
O, C	WH111	WH11101	125,000					100,000										
O, C	WH240	WH24001	200,000					200,000										
Z	WH092	WH09201	450,000					450,000										
			<b>Total Highway</b>	100,000				100,000	340,000		1,203,000							
			<b>5,375,000</b>	<b>100,000</b>				<b>3,372,000</b>	<b>1,903,000</b>		<b>1,203,000</b>							
Z	WT079	WT07901	530,467					530,467										
O, C	WT083	WT08301	31,000,000						19,400,000				4,511,000					
Z	WT086	WT08601	1,068,690					213,738	854,952									
Z	WT107	WT10701	897,458					897,458										
P	WT121	WT12101	13,400,000					11,024,000	2,376,000									
			<b>Total Mass Transit</b>					<b>19,754,663</b>	<b>22,630,952</b>				<b>4,511,000</b>					
Z	WA211	WA21101	5,462,471					5,462,471										
Z	WA263	WA26301	2,663,768					332,971	2,330,797	1,997,826	332,971							
Z	WA264	WA26401	3,046,403					380,801	2,665,602	2,284,802	380,800							
Z	WA267	WA26701	300,629					60,126	240,503		240,503							
Z	WA268	WA26801	3,644,881					3,644,881										
Z	WA269	WA26901	939,350					939,350										
Z	WA270	WA27001	3,459,081					3,459,081										
Z	WA271	WA27101	2,280,056					2,280,056										
Z	WA272	WA27201	2,939,606					2,939,606										
Z	WA273	WA27301	335,571					335,571										
Z	WA274	WA27401	888,199					888,199										
Z	WA275	WA27501	734,053					734,053										
P	WA276	WA27601	797,981					159,596	638,385	638,385								
P	WA277	WA27701	598,820					29,942	568,878	538,936	29,942							
P	WA278	WA27801	2,110,000					2,110,000										
P	WA279	WA27901	996,770					996,770										
			<b>Total Airport</b>	24,753,474				<b>24,753,474</b>	<b>6,444,165</b>	<b>4,821,564</b>	<b>1,622,601</b>							
			<b>31,197,639</b>															
M	WV046	WV04601	241,017					241,017										
M	WV049	WV04901	149,998					149,998										
			<b>Total Environmental</b>	<b>391,015</b>				<b>391,015</b>										
			<b>83,860,269</b>	<b>491,015</b>				<b>23,126,663</b>	<b>30,978,117</b>	<b>28,152,516</b>	<b>2,825,601</b>		<b>4,511,000</b>					
			<b>Total TRANSPORTATION AND PUBLIC WORKS</b>	<b>52,882,152</b>				<b>24,753,474</b>	<b>30,978,117</b>	<b>28,152,516</b>	<b>2,825,601</b>		<b>4,511,000</b>					
			<b>PARKS, RECREATION AND CULTURE</b>															
Z	WP050	WP05046	42,885					42,885										
O	WP544	WP54401	1,016,540					1,016,540										
Z	WP488	WP48801	133,663					133,663										
Z	WP538	WP53801	153,142					153,142										
			<b>Total "Parks, Recreation, &amp; Culture"</b>	<b>1,346,230</b>				<b>1,346,230</b>										
Z	WM037	WM03701	873,554					873,554										
			<b>Total Museum</b>	<b>873,554</b>				<b>873,554</b>										
O	WZ118	WZ11801	13,435,936					4,329,357					9,106,579					
			<b>Total Zoological Department</b>	<b>13,435,936</b>				<b>4,329,357</b>					<b>9,106,579</b>					
			<b>Total PARKS, RECREATION AND CULTURE</b>	<b>15,655,720</b>				<b>6,549,141</b>					<b>9,106,579</b>					



# 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

## INTRODUCTION

### **Annual Capital Budget Process:**

#### *General Capital Improvement Plan Overview*

The County utilizes a 5-Year Capital Improvement Plan (CIP) to help plan and estimate future capital project needs. The first year of the CIP (which for this year's budget development process is 2019) is the year in which capital projects scheduled in that particular year receive funding. Years two through five (2020 – 2023) are planning years for future projects and/or continuing phases of existing projects.

#### *Departmental Request Phase*

As part of the annual County budget development process, each department is responsible for updating its 5-Year CIP. This process typically begins in late winter/early spring as departments develop/update cost estimates for each capital project. Departments submit their requested CIPs to the Department of Administrative Services (DAS) towards the end of June/early July.<sup>1</sup> Departmental requested budgets (Capital and Operating) are posted by the DAS on the County's website no later than August 15th of each year.<sup>2</sup>

#### *Capital Improvement Committee (CIC)*

The CIC is an advisory committee that reviews and scores the requested departmental capital requests and provides an annual (non-binding) recommended 5-Year CIP to the County Executive and County Board typically in early September.

The CIC is included in the Milwaukee County ordinances under chapter 36. Committee members include the following:

- (a) Director of the Department of Transportation or alternate;
- (b) Fiscal & Budget Administrator (DAS) or alternate;
- (c) Comptroller (committee chair as appointed by the Chair of the County Board), or alternate;
- (d) Chair of the Committee on Transportation, Public Works, and Transit, or alternate;
- (e) Co-Chair of the committee on finance, personnel and audit, or alternates;
- (f) Two (2) appointments of the County Executive who shall be mayors or village board presidents of municipalities located in Milwaukee County, or alternate

#### *County Executive Recommended Phase*

Upon receipt of the departmental CIP requests, the DAS staff reviews the requested capital projects and assists the County Executive with the formulation of the Recommended Capital Improvement Budget. Requesting departments are consulted and site visits are performed relative to the departments' capital requests. This budget development phase usually extends from July through September. The Recommended Budget is submitted to the County Board no later than October 1st of each year.<sup>3</sup>

#### *County Board Phase*

##### Finance and Audit Committee

After the County Executive submits the Recommended Budget, the Finance and Audit Committee (FAC) holds budget hearings. The review typically lasts through the month of October.<sup>4</sup> Departmental staff is present at FAC hearings to answer questions related to their capital project requests.

During this phase, members of the FAC may introduce amendments to the Recommended Budget.

Upon close of the budget hearings, the FAC submits the Recommended Budget (and FAC amendments) to the County Board for review/adoption.

##### Full County Board Meeting / County Executive Veto

No later than the 1st Monday of November, the County Board holds a public hearing on the amended capital budget submitted by the FAC. The County Board then meets to act on the amendments and recommendations submitted by the FAC as well as amendments submitted by individual County Board members.

The County Executive may then provide vetoes of the Adopted County Board Budget resolution to the County Board. The County Board then meets a final time (for the budget adoption process) to consider any possible vetoes by the County Executive and whether to sustain or override each veto.

<sup>1</sup> Per Wisconsin State Statute 59.60(2) (b), the Requested Budget Deadline is set annually by DAS Director (deadline can be no later than July 15).

<sup>2</sup> Per Wisconsin State Statute 59.60(5), DAS Director submits a summary of the budget requests to the County Executive and County Board no later than August 15th.

*County website address: <http://county.milwaukee.gov/PSB/Country-Budget.htm>*

<sup>3</sup> Per Wisconsin State Statute 59.60(6) (b) & 59.17(6), CEX submits recommended budget to the Board no later than October 1st.

<sup>4</sup> The County Board establishes the budget hearing calendar for this committee annually.

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

### 2019 Capital Budget - Project Selection Process:

Capital projects were reviewed and selected using a number of different prioritization factors. Important elements taken into consideration include whether a project is ongoing (i.e. continuation of an existing project begun through prior budget appropriation), is mandated or contractually obligated, addresses Life/Safety issues, and/or mitigates deferred maintenance issues. Other major considerations include: whether or not a project leverages external (non-County) funding that can be used to help offset total project costs (thereby reducing the taxpayer burden), departmental project rankings, and whether there is the potential for operating efficiencies. The Capital Improvement Committee (CIC) review (pursuant to Milwaukee County Ordinance, Chapter 36) is also used as an input to the process as well.

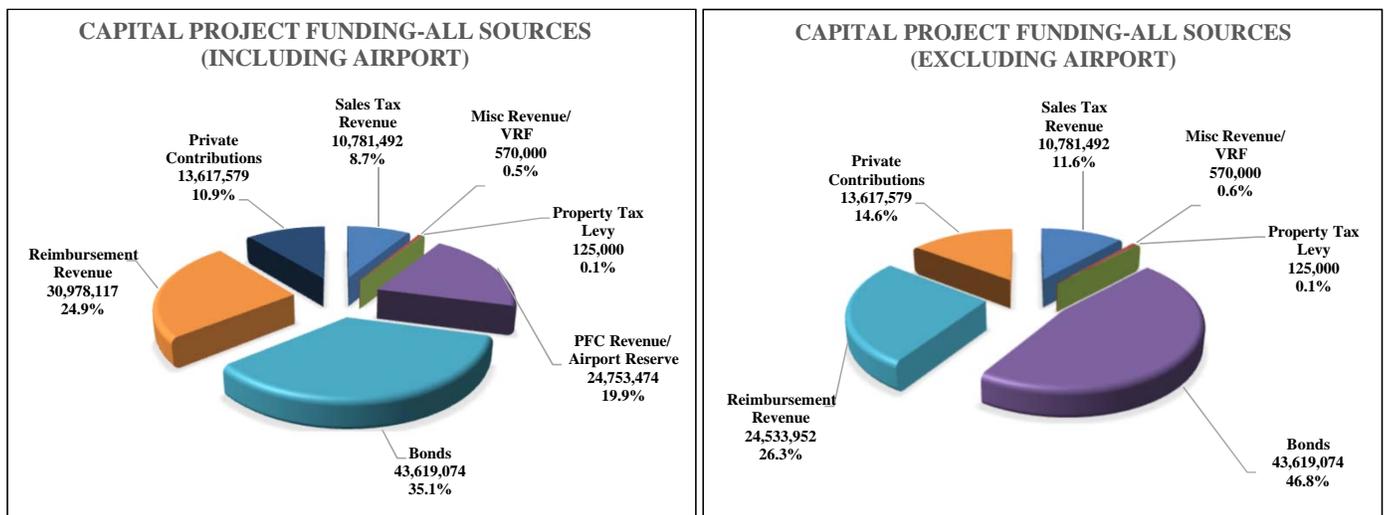
### 2019 Capital Improvement Budget Financing Overview:

The County finances non-Airport capital projects primarily with general obligation bonds and notes, sales tax, tax levy, reimbursement revenue (from Federal, State, and/or Local sources), vehicle registration fee revenue (VRF), and private contributions (from non-County entities).

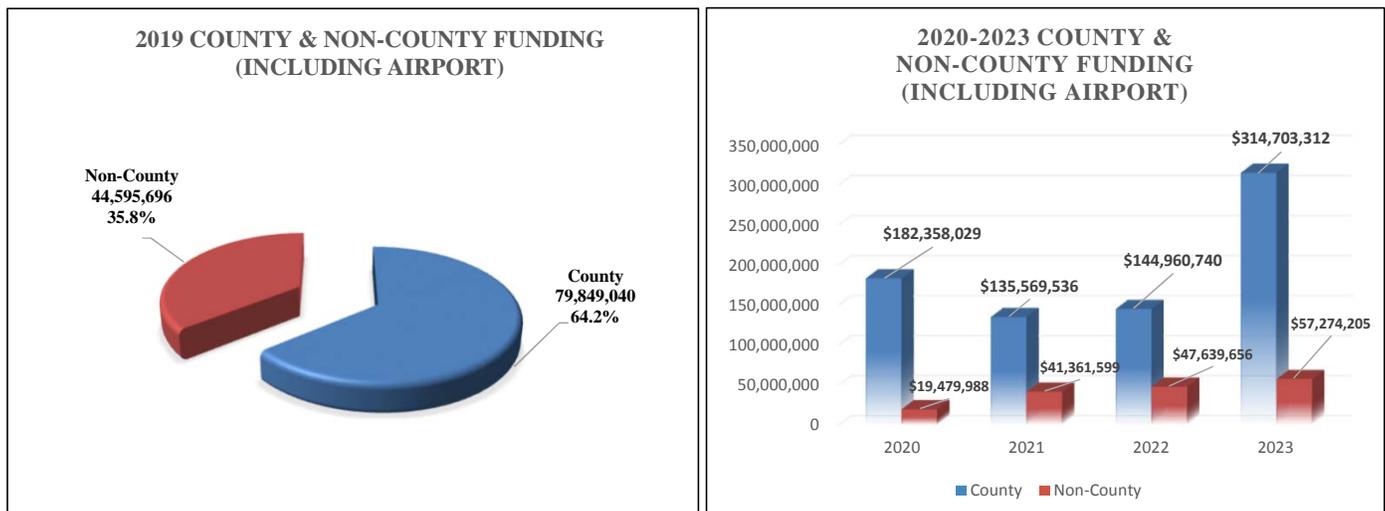
Airport capital projects are typically funded with general airport revenue bonds, airport reserve revenue, passenger facility charge revenue, and reimbursement revenue (from Federal, State, and/or Local sources). Sales tax, tax levy, and general obligation bonds and notes are generally not used to finance Airport capital projects.

The 2019 Capital Improvements Budget (Capital Budget) includes 52 separate sub-projects for a total expenditure appropriation of \$124,444,736. Anticipated reimbursement revenue (federal, state, local sources) and private contributions total \$44,595,696, resulting in a net financing requirement of \$79,849,040 (when including the Airport.)

Net Financing requirements for 36 corporate purpose (non-Airport) sub-projects total \$55,095,566. This includes County funding of \$43,619,074 in general obligation bonds or notes, \$10,781,492 in sales tax revenue, \$570,000 in miscellaneous revenue (computer reserves), and \$125,000 in tax levy.



The projects included in year 2019 of the 2019 – 2023 Capital Improvement Plan (CIP) are funded with total appropriations of \$124,444,736 (includes both County and non-County funding). CIP years 2020 – 2023 are used for planning purposes and provide a listing of overall capital projects and forecasted fiscal requirement(s) over the next 4 years (see pages 111 – 117 of the 5-Year Plan Detail).



# 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

## What is a Bond Eligible Project?

For non-Airport related capital projects, the County issues general obligation bonds or notes (bonds). Proceeds of these bonds may be used to finance infrastructure related activities of the County. Wisconsin State statutes limit the use of bond proceeds to capital expenditures. The Governmental Accounting Standards Board (GASB) establishes accounting and financial reporting standards for U.S. state and local governments that follow Generally Accepted Accounting Principles (GAAP). Additionally, the United States Internal Revenue Service (IRS) maintains rules and regulation that dictate and limit the use of bond proceeds. Pursuant to these rules and regulations, the County's Office of the Comptroller provides determination(s) as to the bond eligibility of capital projects.<sup>5</sup>

Capital projects that are not bond eligible must be financed through County cash (primarily sales tax and tax levy) and/or other financing sources (i.e. private contributions, VRF revenue, federal-state-locals funds, etc.).

## Borrowing for "Operating Expenses:"

Borrowing for "operating expenses" (Wis. Stats. 67.04): State Statutes prohibits borrowing for "operating expenses." The statute defines operating expenses as "wages, salaries, fringe benefits, materials, supplies, contractual services, equipment with a useful life of less than one year and other costs specified by the Department of Revenue by rule." Because many expensed or non-capitalized projects are considered to have a useful life of less than one year, debt obligations typically may not be used to finance these projects. The 2019 Capital Improvements Budget does contain some expensed projects (non-capitalized). These projects are financed with property tax levy, sales tax revenue, vehicle registration fee revenue, or revenue generated from Passenger Facility Charges (PFCs). Although, the County does not have the authority to issue debt for operating expenses (as stated previously), Wisconsin State Statute 67.04(5)(b)4 gives the County the authority to issue debt to fund its unfunded pension liability.

## Federal Expenditure Targets for Tax Exempt Bonds:

Federal tax law governs the use of bond proceeds. Beginning with 1990 bond issues, the Federal government established expenditure targets for spending tax-exempt municipal bond proceeds. Expenditure targets follow six-month intervals from the closing date, and it is required that all proceeds be spent in either 18 or 24 months depending upon the particular issue.

Failure to meet these targets subjects the County to potential financial liability under the rebate or the penalty-in-lieu of rebate method. Under the rebate method, if the County fails to meet the expenditure targets and the investment rate is higher than the interest rate of the bonds, then all investment earnings on the unspent bond proceeds (in excess of the amount which would have been earned if the proceeds had been invested at a rate equal to the rate on the bonds) must be paid to the Federal government. No amount is required to be paid if the investment rate is lower than the interest rate on the bonds even if the expenditure targets have not been met.

Under the penalty-in-lieu of rebate method, financial penalties totaling up to 1.5 percent of the unspent bond proceeds, including investment earnings, will be assessed every six months until all of the proceeds are spent for each target that is unmet. If expenditure targets are not met, for either method, appropriations for individual projects will be reduced to pay rebate or penalty amounts.

If less than 75 percent of the bond issue is to finance construction projects then the rebate method (18-month expenditure period method) must be used. If 75 percent or more will be used to finance construction projects, the County has the option of selecting the rebate or penalty-in-lieu of rebate method (24-month expenditure period). The expenditure requirements are summarized below:

### Non-Construction Issues:

6 months	15% of proceeds & actual & expected earnings
12 months	60% of proceeds & actual & expected earnings
18 months	100% of proceeds & actual earnings

### Construction Issues:

6 months	10% of proceeds & actual & expected earnings
12 months	45% of proceeds & actual & expected earnings
18 months	75% of proceeds & actual & expected earnings
24 months	100% of proceeds & actual earnings

## Annual Bond Limit:

The annual bond limit is defined by County Board file number 03-263, an annual bonding cap to which policy-makers have generally adhered (3% over the prior year's Adopted bond base). The 2018 Adopted Capital Improvement Budget included bond financed projects in the amount of \$39,642,309. Based on this amount, the initial 2019 bonding cap is calculated at \$40,831,578. However, approved County Board resolution 17-496 accelerated \$2,713,000 of planned 2018 bond financing to 2017 for capital project WZ11901-Zoo Adventure Africa-Elephants Exhibit. As a result, the \$2.7 million is added to the \$40.8 million 2018 bond financing base resulting in a final 2019 bonding cap of \$43,625,968.

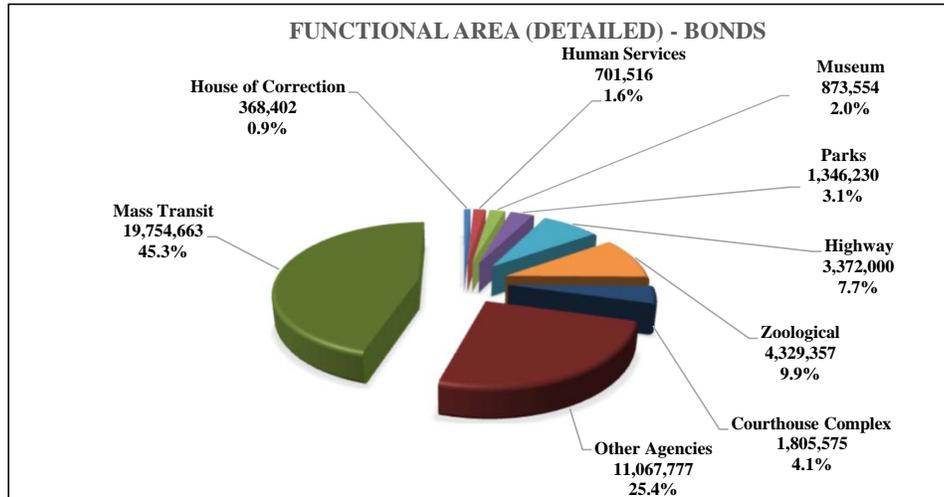
Capital project WT12101 (Bus Replacement Program 2019) is included in the 2019 Capital Improvement Budget and maintains bond financing of \$11,024,000. Pending approval of County Board file 18-640, up to \$10,395,000 of 2019 bonding (for capital project WT12101) may be reduced pursuant to awarded grant revenue from the State as part of a competitive (statewide) transit capital assistance grant program. Bonds supplanted by this grant program revenue are assumed to not result in a reduction to the overall bond base for the 2020 bonding cap calculation. For additional information, File 18-640 is included as part of Appendix A.

<sup>5</sup> As part of the annual capital budget development, the Office of the Comptroller provides a preliminary review regarding the bond eligibility of the capital projects. Upon adoption of the capital projects and prior to the issuance of bonds to finance the projects, the Office of the Comptroller provides a final bond eligibility review of the capital projects.

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

The corporate purpose (non-airport) bonding amount of \$43,619,074 is \$6,894 under the 2019 bonding cap. Bond financing related to the Airport is non corporate-purpose and is therefore not included.

Year	Bond Financing		Budget OVER / (UNDER) Bonding Cap:	
	Bonding Cap	Budget	\$	%
2019	\$43,625,968	\$43,619,074	(\$6,894)	-0.02%



The total BOND ELIGIBLE projects at the DEPARTMENTAL REQUEST Phase is significantly higher than the County's available Bond financing (under the 3% bond increase policy). From 2016 - 2018, the average bonding shortfall from departmental requests to final budget Adoption averages \$33.3 million (or an average bonding shortfall of just under 45%).

BUDGET YR	BOND REQUEST	BOND BUDGET	BOND SURPLUS/(GAP)	*BOND FINANCING BREAKOUT*	
				FUNDED	NOT FUNDED
2016	\$71,328,011	\$39,234,810	(\$32,093,201)	55.0%	45.0%
2017	\$71,997,939	\$41,147,918	(\$30,850,021)	57.2%	42.8%
2018	\$73,718,901	\$39,642,309	(\$34,076,592)	53.8%	46.2%
3-YR AVG	\$72,348,284	\$40,008,346	(\$32,339,938)	55.3%	44.7%
2019	\$56,238,941	\$43,619,074	(\$12,619,867)	77.6%	22.4%

NOTE: As the Airport does not utilize general obligation bonds or notes to fund its capital or operating budgets, it is excluded from table above.

Departments submit their prioritized projects on an annual basis as part of the overall budget development process. Depending on the number of prioritized projects submitted by departments, the year over year change may vary. Additionally, large projects with significant costs may also affect the year over year change in bond requested funding. The change in departmental requests from 2018 to 2019 (approximately \$17.5 million) is primarily due to a smaller number of prioritized requests (mainly) submitted by the following departments:

2018 to 2019 Increase/(Decrease) in Capital Bond Request(s)	
DAS-Facilities Management	(\$6,457,740)
DOT-Fleet	(\$4,854,111)
Milwaukee Public Museum	(\$3,361,603)
Parks	(\$1,586,815)
Other	(\$1,219,691)
<b>TOTAL</b>	<b>(\$17,479,960)</b>

### Cash Financing:

Beginning with the 1995 capital budget, the County established a cash-financing goal of 20.0% to be implemented over a ten-year period. This policy served to increase minimum cash financing by 2.0% annually.

The annual cash goal reflects 20% of the Net County Funding Contribution (which excludes Federal/State/Local revenue sources). County cash financing primarily consists of sales tax and property tax levy for non-Airport capital projects. The Vehicle Registration Fee (VRF) was introduced as part of the 2017 Adopted Budget and is recognized as a County cash contribution. Typically, private contributions are one-time (non-County) allocations to specific capital projects pursuant to specific agreement(s). In order to more accurately account for the true County cash (i.e. sales tax, property tax, and VRF) capital contribution requirement for non-Airport projects, private contributions are excluded. In general, policy-makers have focused on the 20% cash goal exclusive of Airport projects as the Airport primarily funds projects by other means (i.e. PFC, other Airport reserves) that do not impact the County's overall tax levy.

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

### Including Airport:

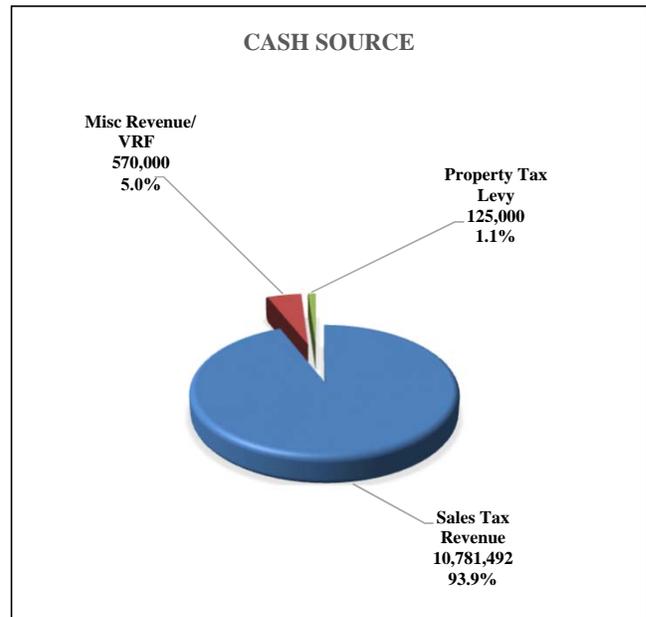
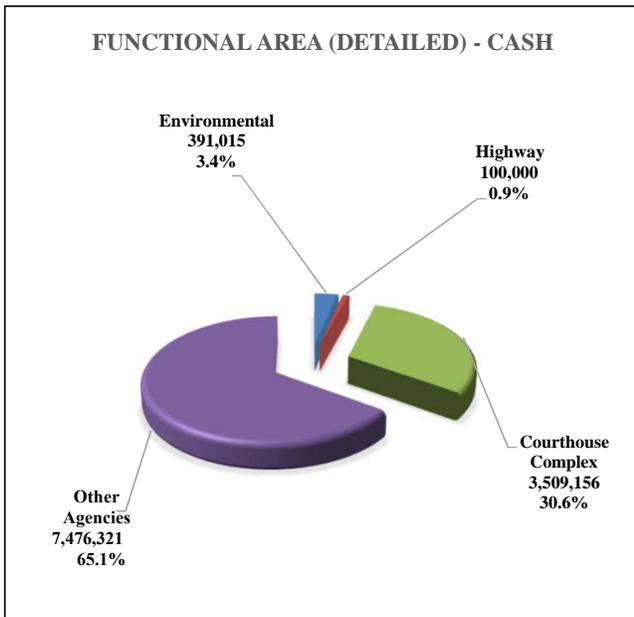
Net County financing included in the 2019 budget totals \$79,849,040, including the Airport. Cash needed to meet the 20.0% financing goal is calculated at \$15,969,808. The 2019 budgeted cash financing of \$36,229,966 represents 45.4% of net County financing.

### Excluding Airport:

Net County financing totals \$55,095,566. Cash needed to meet the 20.0% financing goal of non-airport projects is calculated at \$11,019,113. The 2019 budgeted cash financing of \$11,476,492 represents 20.8% of net County financing.

	2019 Net County Contrib.	Sales Tax Revenue	Tax Levy	*Vehicle Registration Fee/Misc	PFC/Airport Reserve	TOTAL CASH	% CASH
All Projects, Including Airport:	\$79,849,040	\$10,781,492	\$125,000	\$570,000	\$24,753,474	\$36,229,966	45.4%
All Projects, Excluding Airport:	\$55,095,566	\$10,781,492	\$125,000	\$570,000	\$0	\$11,476,492	20.8%

*\*Computer Reserves of \$570,000 is reflected in the "Vehicle Registration Fee/Misc" category.*



Similar to bond financing issues noted previously, NON-BOND ELIGIBLE projects at the DEPARTMENTAL REQUEST Phase consistently outpace the County's ability to finance projects using sales tax, tax levy, and/or VRF revenue (i.e. "cash"). Given the fiscal challenges facing the operating budget and assuming relatively flat revenue growth as well as assumed annual cost to continue increases, it is unlikely that additional cash resources will be available to shift from operations towards increased cash financing (over the 20% cash goal policy) for future capital projects.

Overall, the total NON-BOND ELIGIBLE projects at the DEPARTMENTAL REQUEST Phase remains higher than the County's available cash financing. From 2016 - 2018, the average cash financing shortfall from Departmental Requests to Final Budget Adoption averages \$19.8 million (or a cash shortfall of just over 68%).

BUDGET YR	County Cash Funding Gap (Excluding Airport)			*CASH FINANCING BREAKOUT*	
	CASH REQUEST	CASH BUDGET	CASH SURPLUS/(GAP)	FUNDED	NOT FUNDED
2016	\$23,095,097	\$8,293,468	(\$14,801,629)	35.9%	64.1%
2017	\$23,400,414	\$10,286,987	(\$13,113,427)	44.0%	56.0%
2018	\$36,785,176	\$5,409,618	(\$31,375,558)	14.7%	85.3%
3-YR AVG	\$27,760,229	\$7,996,691	(\$19,763,538)	31.5%	68.5%
2019	\$30,085,532	\$11,476,492	(\$18,609,040)	38.1%	61.9%

*NOTE: As the Airport, in general, does not utilize County sales tax, VRF, and/or tax levy to fund its capital or operating budgets, it is excluded from table above.*

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Departments submit their prioritized projects on an annual basis as part of the overall budget development process. Depending on the number of prioritized projects submitted by departments, the year over year change may vary. Additionally, large projects with significant costs may also affect the year over year change in bond requested funding. The change in departmental requests from 2018 to 2019 (approximately \$6.7 million) is primarily due to a smaller number of prioritized requests (mainly) submitted by the following departments:

2018 to 2019 Increase/(Decrease) in Capital Cash Request(s)	
DAS-Facilities Management	\$ (2,357,768)
DHHS-BHD	\$ (1,509,767)
Parks	\$ (2,783,073)
Other	\$ (49,036)
<b>TOTAL</b>	<b>\$ (6,699,644)</b>

### 2019 Expenditure Appropriations by General Functional Area:

#### *TRANSPORTATION AND PUBLIC WORKS (Highways, Mass Transit, Airport, Environmental)*

The 2019 Capital Improvements Budget includes appropriations of \$83,860,269 for Transportation and Public Works. The amount represents 67.39% of total 2019 capital appropriations. The \$83,860,269 in appropriations is offset with 36.94% in reimbursement revenues.

<u>Major 2019 Capital Projects</u>	2019 <u>Appropriation</u>
WT08301-Bus Rapid Transit	\$31,000,000
WA21101-GMIA Physical Access Control System Upgrade	\$5,462,471
WH01008-Reconstruct CTH "N" South 92nd Street	\$3,700,000

#### *PARKS, RECREATION AND CULTURE (Parks Department, Zoological Department, Milwaukee Public Museum)*

The 2019 Capital Improvements Budget includes appropriations of \$15,655,720 for Parks, Recreation, and Culture. The amount represents 12.58% of total 2019 capital appropriations.

<u>Major 2019 Capital Projects</u>	2019 <u>Appropriation</u>
WZ11801-Underwater Hippo Exhibit	\$13,435,936
WP54401-McCarty Electrical Service Replacement	\$1,016,540
WM03701-MPM Dome Planetarium Roof Replacement	\$873,554

#### *HEALTH AND HUMAN SERVICES (Department of Health and Human Services, Aging, Behavioral Health)*

The 2019 Capital Improvements Budget includes appropriations of \$701,516 for Health and Human Services. The amount represents 0.56% of total 2019 capital appropriations.

<u>Major 2019 Capital Projects</u>	2019 <u>Appropriation</u>
WS12001-Washington Sr Ctr Ventilator, Unit Heat, Chiller	\$413,450

#### *GENERAL GOVERNMENT (Elected Official Departments, Department of Administrative Services, Fleet, House of Corrections, Office of Emergency Management, Cultural Agencies)*

The 2019 Capital Improvements Budget includes appropriations of \$24,227,231 for General Government. The amount represents 19.47% of total 2019 capital appropriations.

<u>Major 2019 Capital Projects</u>	2019 <u>Appropriation</u>
WO60201-Enterprise Platform Modernization	\$6,885,645
WO32301-Fleet General Equipment-2019	\$3,702,000
WC21301-Courthouse HVAC Replacement-Phase 1	\$1,805,575

### Capital Improvement Plan (CIP) – Years 2020 through 2023:

CIP years 2020 – 2023 are used for planning purposes and provide a listing of overall projects and forecasted fiscal requirement(s) over the next 4 years. It is important to note that the estimated costs for the majority of these projects are highly conceptual and will likely change based on updated information as provided by departments as part of the annual budget development process.

The table below reflects non-Airport capital projects relative to available estimated County financing of (general obligation) bond, tax levy, sales tax, and vehicle registration fee revenue(s) only. The estimated County financing assumes the 3% annual bond cap increase and the 20% cash financing goal (both are reflective of existing County policy). For additional detail, please refer to the 5-Year Capital Improvement Plan beginning on page 111.

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

**2020 - 2023 CIP Forecast and Estimated Available County Funding:**

	2020*	2021	2022	2023
Estimated County Financing:	\$56,159,558	\$57,844,345	\$59,579,675	\$61,367,065
2020 - 2023 CIP (non-Airport) Proj Requests:	150,031,602	113,518,890	131,009,993	297,311,833
<b>Under/(Over) Available County Financing:</b>	<b>(\$93,872,044)</b>	<b>(\$55,674,545)</b>	<b>(\$71,430,318)</b>	<b>(\$235,944,768)</b>

*\*Includes 2019 Requested Projects that were NOT funded in the 2019 Capital Improvement Budget (approximately \$33 million).*

As part of the annual budget process wherein budget appropriations are received, non-Airport capital projects will be evaluated and ranked (see 2019 Capital Budget - Project Selection Process section noted previously) in order to meet the available County financing.<sup>6</sup>

A listing of 2020-2023 forecasted capital projects with County financing of \$10 million (or greater) is listed in the table below:

CIP YEAR	DEPT	Project	Project Description	Funding		
				County	Non-County	Total
2020	DAS-FM-FM	WC20901	Forensic Science Center-Phase 2	23,821,000	0	23,821,000
<b>2020 TOTAL:</b>				<b>23,821,000</b>	<b>0</b>	<b>23,821,000</b>
2021	DOT-TRANSIT	WT10301	Bus Replacement Program-Planning Placeholder	13,000,000	4,000,000	17,000,000
<b>2021 TOTAL:</b>				<b>13,000,000</b>	<b>4,000,000</b>	<b>17,000,000</b>
2022	DAS-FM-FM	WC20701	New Criminal Courthouse	20,000,000	0	20,000,000
2022	DOT-TRANSIT	WT10301	Bus Replacement Program-Planning Placeholder	13,200,000	4,000,000	17,200,000
2022	PARKS	WP55901	Mitchell Park Conservatory	10,000,000	0	10,000,000
<b>2022 TOTAL:</b>				<b>43,200,000</b>	<b>4,000,000</b>	<b>47,200,000</b>
2023	DAS-FM-FM	WC20701	New Criminal Courthouse	180,000,000	0	180,000,000
2023	DOT-TRANSIT	WT10301	Bus Replacement Program-Planning Placeholder	13,400,000	4,000,000	17,400,000
2023	PARKS	WP55901	Mitchell Park Conservatory	10,000,000	0	10,000,000
<b>2023 TOTAL:</b>				<b>203,400,000</b>	<b>4,000,000</b>	<b>207,400,000</b>

**Capital Project Staffing/Consultant Plan:**

Each project narrative and fiscal sheet has a detailed staffing plan listed. Milwaukee County's General Ordinance for Professional Services 56.30(4) requires that "[f]or projects managed by the Department of Transportation and Public Works, the Department of Transportation and Public Works is authorized to enter into contractual services or professional services agreements as may be required for specific capital improvement projects which have been previously approved by County Board action." Furthermore, "[t]he budget write-up shall contain specific information as to the scope of the project, professional services required and estimated cost of the professional service work to be performed." Subsequent to budget adoption, the Department of Transportation and the Department of Administrative Services-Facilities Management Division prepare final staffing plans, which are reviewed and approved by the County Executive and County Board of Supervisors. Any subsequent changes to the final 2019 staffing plans have to be approved by the County Executive and County Board of Supervisors.

<sup>6</sup> Airport sub-projects are evaluated and ranked using the same criteria as non-airport sub-projects, but are typically not financed through general obligation bond, sales tax revenue, tax levy, or VRF revenue. Airport sub-projects are generally financed via PFC and Airport Reserve revenue(s).

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**Debt Affordability Indicators**

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**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

**Debt Service in Comparison to Sales Tax Revenue**

**Policy Goal:**

Tax supported debt service shall not exceed County sales and use tax revenues.

**Definition:**

Debt service in comparison to county sales and use tax revenues consists of the amount of principal and interest on direct debt that the County must pay from tax revenues compared to net collections of county sales and use tax revenue. Tax supported debt service excludes interest allocations to proprietary fund departments and other debt service fund revenues. Net collections of sales and use tax revenues exclude discounts withheld by retailers and administrative fees retained by the Wisconsin Department of Revenue. Reported sales tax revenue annual totals are in accordance with generally accepted accounting principles (GAAP). Annual totals reflect March through February monthly receipts.

**Trend Information:**

<b>Budget Year</b>	<b>Tax Supported Debt Service</b>	<b>County Sales &amp; Use Tax Revenue</b>	<b>Surplus Sales Tax Revenues</b>
2019	\$34,510,437	\$68,014,546	(\$33,504,109)
2020	\$52,033,660	\$69,578,881	(\$17,545,221)
2021	\$52,340,153	\$71,179,195	(\$18,839,042)
2022	\$55,759,467	\$72,816,316	(\$17,056,849)
2023	\$56,688,564	\$74,491,092	(\$17,802,528)
2024	\$56,925,433	\$76,204,387	(\$19,278,954)
2025	\$70,347,920	\$77,957,088	(\$7,609,168)
2026	\$59,370,191	\$79,750,101	(\$20,379,910)
2027	\$59,332,633	\$81,584,353	(\$22,251,720)

**Note:**

The 2019 Budget continues the use of surplus sales tax revenue to cash finance capital improvements projects, prepay outstanding bonds, pre-fund employee benefit costs or fund anticipated or extraordinary annual increases in such costs or supplement the Appropriation for Contingencies. For further sales tax revenue information please refer to the 2019 Budget Org. Unit 1800 - Non-Departmental Revenues.

Budgeted revenues for the upcoming fiscal years are determined through the budget process. Revenues for 2019 are \$33,504,109 for the general fund purposes mentioned above.

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

**Direct Debt as a Percent of Equalized Value**

**Policy Goal:**

Direct debt shall not exceed 1.5 percent of equalized property value.

**Definition:**

Direct debt is the total outstanding principal for general obligation bonds and notes which the County has pledged its full faith, credit and unlimited taxing power. Direct debt does not include debt issued by the County on behalf of the conduit financings issued for non-county agencies. The direct debt only includes current outstanding debt and future debt that may be issued from 2019-2027. Equalized property value includes the value of Tax Incremental Financing Districts (TIDs).

**Trend Information:**

<b>Budget Year</b>	<b>Direct Debt</b>	<b>Equalized Value (Includes TID)</b>	<b>Direct Debt as % of Value</b>
2019	\$568,897,211	\$64,065,615,200	0.89%
2020	\$562,100,597	\$64,857,682,401	0.87%
2021	\$541,268,105	\$65,659,542,226	0.82%
2022	\$520,519,778	\$66,471,315,743	0.78%
2023	\$500,380,453	\$67,293,125,521	0.74%
2024	\$480,594,377	\$68,125,095,642	0.71%
2025	\$461,930,000	\$68,967,351,720	0.67%
2026	\$443,805,000	\$69,820,020,926	0.64%
2027	\$426,125,000	\$70,683,232,001	0.60%

*\*The State of Wisconsin - Department of Revenue (DOR) annually certifies equalized value by August 15th and remains effective through August 14th of the subsequent year. The County's BUDGET YEAR amount of \$64,065,615,200 reflects the DOR's certification for August 15th, 2018 through August 14th, 2019.\**

*Equalized value projections (2019-2028) are based on the previous 5-Year DOR certified average.*

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

**Direct Debt Per Capita**

**Policy Goal:**

Direct debt per capita shall not exceed \$500.

**Definition:**

Direct debt is the total outstanding principal for general obligation bonds and notes which the County has pledged its full faith, credit and unlimited taxing power. Direct debt per capita is determined by dividing direct debt totals by the most recent estimate of the number of persons residing in Milwaukee County. The 2018 Budget Year Direct Debt per Capita figure was \$666.

**Trend Information:**

<b>Budget Year</b>	<b>Direct Debt</b>	<b>County Population</b>	<b>Direct Debt Per Capita</b>
2019	\$568,897,211	950,381	\$599
2020	\$562,100,597	950,381	\$591
2021	\$541,268,105	950,381	\$570
2022	\$520,519,778	950,381	\$548
2023	\$500,380,453	950,381	\$527
2024	\$480,594,377	950,381	\$506
2025	\$461,930,000	950,381	\$486
2026	\$443,805,000	950,381	\$467
2027	\$426,125,000	950,381	\$448

*\*Source: State of Wisconsin - Department of Administration*

Note:  
Direct debt per capita can be used to compare debt levels between issuers or communities but is not a good indicator of real debt burdens over time unless it is adjusted for price level changes. The recommendation to establish this debt policy goal included the caution that this policy must be updated annually to be meaningful and to reflect changes in real price levels.

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# 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

## ----- User Guide-Capital Budget Narrative -----

Project No. <b>WC178</b>	Sub-Project No. <b>WC17801</b>	Sub-Project Title <b>CH LIGHTCOURT REHABILITATION (#6)</b>
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**2019 Sub-Project Addresses the following item/issue:**

The remaining original 1930's single pane glass windows within the Courthouse's four (4) lightcourts need replacement. Many of these windows have deteriorated and rusted frames/sashes and leak. All fail to provide proper insulation from winter and summers temperatures.

Lightcourt renovation is recommended to by lightcourt #6. Major assessment items in lightcourt #6 include: (1) four light court facades which are constructed primarily of a blend of hard burned face brick with limestone window sills and limestone copings at top of parapet walls; (2) windows on the facades are primarily steel framed with primarily fixed (inoperable) lights that vary in shape, size, and mullion configuration.

**2019 Sub-Project Scope of Work:**

The scope of work includes consultant services providing a condition assessment, design and construction bid documents related to existing windows, exterior ductwork, existing veneer masonry, parapets and flashing within Light Court #6. Design development will establish a means to correct deteriorated elements based on the report. With respect to sustainability, new equipment will incorporate energy efficient and sustainable design as allowed by the building code for this installation.

**2020 - 2023 Sub-Project Scope of Work:**

The forecasted scope of work is anticipated to include repairing brick veneer masonry, replacement of existing windows with a new aluminum window frame (thermally broken) and new insulating glazing.

Includes the project's BUDGET APPROPRIATION (gray) and PLANNED (white) funding amounts from COUNTY &

Reflects any project funding from a Federal, State, Local, and/or Other sources (i.e. private

Indicates COUNTY-ONLY BUDGET APPROPRIATION.

PLANNED COUNTY-ONLY Funding over the next 4 years. These costs are re-estimated during the County's annual budget process. <sup>1</sup>

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$162,883	\$0	\$25,000	\$0	\$137,883
2020	\$0	\$0	\$0	\$0	\$0
2021	\$1,077,390	\$0	\$0	\$0	\$1,077,390
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$1,240,273</b>	<b>\$0</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$1,215,273</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$25,000	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$137,883	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$162,883</b>		

This table reflects the project funding sources.

Capital Sub-Project Breakdown (2014 - 2023)				
SUB-PROJECT BY PHASE	Prior Approp.	2019	2020 - 2023	Total
	Incl. '18 Adopted	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$162,883	\$0	\$162,883
Construction & Implementation	\$0	\$0	\$1,077,390	\$1,077,390
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$162,883</b>	<b>\$1,077,390</b>	<b>\$1,240,273</b>

This table reflects ALL past and planned project costs.

Sub-Project Schedule	Year	QTR
Complete Site Acquisition	N/A	N/A
Complete Preliminary Plan	2019	4
Complete Final Plans & Specs	2020	1
Begin Construction/Purchase Asset	2021	1
Construction Substantially Completed	2021	4
Scheduled Sub-Project Closeout	2022	1

This table outlines the estimated project schedule.<sup>2</sup>

**Requesting Department or Agency:**  
Dept of Admin Services - Fclty Mngmnt -Maint Section

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
Yes

**Functional Group:**  
General Government

**Capital Category:**  
Facility Rehab or Major Maint

Useful Life (Yrs) → Indicates the estimated useful life of the asset.  
30 Yrs

1.) The out-years (i.e. 2020 - 2023) typically act as a planning tool to indicate the (estimated) project costs for those particular years. As such, the County is NOT committing future year funding indicated in the out-years, unless there is a County Board authorized legal instrument and/or a state/federal mandate directing the County to do so.

2.) Preliminary schedule. The project schedule is subject to change as the project scope and design become more refined and actual construction, implementation, and/or equipment purchase is implemented. If "N/A" is indicated, the item does not apply to this particular project.

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**SECTION 1  
HIGHWAYS**

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**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

Project No. <b>WH010</b>	Sub-Project No. <b>WH01008</b>	Sub-Project Title <b>RECONSTRUCT CTH "N" SOUTH 92ND STREET</b>
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**2019 Sub-Project Addresses the following item/issue:**

The sub-project addresses the need to meet the future transportation and safety requirements together with improving the deficiencies of the existing roadway system such as deteriorated pavement, poor shoulders, inadequate drainage system, and insufficient access for both bicyclists and pedestrians.

**2019 Scope of Work:**

The scope of work includes the completion of the design phase and work to begin the construction phase for S. 92nd St. (CTH N) from W. Forest Home Ave. to W. Howard Ave. in the County Highway Improvement Program (CHIP). The work includes reconditioning of the 1.5 mile segment of S. 92nd St. (CTH N), including bicycle accommodation consideration. The State funding from WISDOT under CHIP is a maximum of \$1,403,000 for eligible project costs. THE STATE FUNDING EXPIRES ON JUNE 30, 2021. IF THE PROJECT IS NOT APPROVED FOR THE REMAINING DESIGN AND CONSTRUCTION IN 2019, CONSTRUCTION WILL NOT TAKE PLACE IN 2019, RESULTING IN A LOSS OF THE STATE FUNDING. CONSTRUCTION IS ANTICIPATED TO BE COMPLETE IN SUMMER OF 2020 TO BE ABLE TO MEET THE JUNE 30, 2021 DEADLINE.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$3,700,000	\$0	\$1,203,000	\$0	\$2,497,000
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$3,700,000</b>	<b>\$0</b>	<b>\$1,203,000</b>	<b>\$0</b>	<b>\$2,497,000</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$1,203,000	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$2,497,000	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$3,700,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$450,909	\$100,000	\$0	\$550,909
Construction & Implementation	\$0	\$3,600,000	\$0	\$3,600,000
Right-of-Way Acquisition	\$75,000	\$0	\$0	\$75,000
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$525,909</b>	<b>\$3,700,000</b>	<b>\$0</b>	<b>\$4,225,909</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	2019	1
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	1
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2020	3
Scheduled Sub-Project Closeout	2021	2

Useful Life (Yrs)

20

Requesting Department or Agency:

Dept of Transportation - Highways

Managing Department or Agency:

Same as Requesting Dept/Agency

Specialized Consultant(s) Retained:

Yes

Functional Group:

Transportation and Public Works

Capital Category:

Traffic, Roadways, & Bridges (Non-Airport)

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WH092</b>	Sub-Project No. <b>WH09201</b>	Sub-Project Title <b>S. 76TH ST. &amp; W. LAYTON AVE. ADAPT SIGNAL SYSTEM</b>
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**2019 Sub-Project Addresses the following item/issue:**

The sub-project will improve traffic flow along the S. 76th St. (CTH U) and W. Layton Ave. (CTH Y) corridors through optimization of signal timing at the intersection thereby improving the overall Milwaukee County (County) highway system.

**2019 Scope of Work:**

The scope of work includes the construction phase for the S. 76th St. (CTH U) and W. Layton Ave. (CTH Y) Adaptive Traffic Signal System project in the Congestion Mitigation & Air Quality Program (CMAQ). The work is to model, select, implement and calibrate a traffic adaptive signal system on both corridors of S. 76th St. from Parkview Rd. to Forest Home Ave. and W. Layton Ave. from 92nd St. to 76th St. Federal funding from the Wisconsin Department of Transportation (WISDOT) under CMAQ was approved. THE FEDERAL FUNDING EXPIRES ON JUNE 30, 2020. IF THE PROJECT IS NOT APPROVED FOR THE CONSTRUCTION PHASE IN 2019, IT WILL RESULT IN A LOSS OF THE FEDERAL FUNDING FOR THE ENTIRE PROJECT WHERE THE COUNTY WOULD BE RESPONSIBLE FOR 100% OF ALL EXPEDITURES TO DATE.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$440,000	\$340,000	\$0	\$0	\$100,000
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$440,000</b>	<b>\$340,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$340,000	Investment Earnings	\$0
Sales & Use Tax	\$100,000	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$440,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$100,023	\$0	\$0	\$100,023
Construction & Implementation	\$0	\$440,000	\$0	\$440,000
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$100,023</b>	<b>\$440,000</b>	<b>\$0</b>	<b>\$540,023</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2018	2
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2020	4
Scheduled Sub-Project Closeout	2020	2

Useful Life (Yrs)

15

**Requesting Department or Agency:**

Dept of Transportation - Highways

**Managing Department or Agency:**

Same as Requesting Dept/Agency

**Specialized Consultant(s) Retained:**

Yes

**Functional Group:**

Transportation and Public Works

**Capital Category:**

Traffic, Roadways, & Bridges (Non-Airport)

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WH095</b>	Sub-Project No. <b>WH09501</b>	Sub-Project Title <b>W RAWSON AVE- S. 27TH ST TO S. 20TH ST.</b>
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**2019 Sub-Project Addresses the following item/issue:**

The sub-project addresses the need to meet the future transportation and safety provisions together with improving the deficiencies of the existing roadway system such as deteriorated pavement, poor shoulders, inadequate drainage system, and insufficient access for both bicyclists and pedestrians.

**2019 Scope of Work:**

The scope of work includes completion of the design phase and right-of-way acquisition phases for W. Rawson Ave. (CTH BB) from S. 27th St. to S. 20th St. in the Surface Transportation Program (STP). The work includes the reconstruction of the 0.4 mile segment of W. Rawson Ave. (CTH BB), including consideration for bicycle and pedestrian accommodations. Milwaukee County Department of Transportation (MCDOT) has applied for funding from the Wisconsin Department of Transportation (WISDOT) under STP for the W. Rawson Ave. (CTH BB) from S. 27th St. to S. 20th St. project and anticipates receiving funding in 2018 so that the design and right-of-way acquisition phases can begin. The total estimated cost of the project is \$3,610,000 where it would provide 80% Federal funding (\$2,880,000) and the remaining 20% funded by Milwaukee County (\$730,000).

**2020 - 2023 Scope of Work:**

The Five-Year Capital Improvements Plan includes additional appropriations of \$3,000,000 that are necessary to complete the work on the W. Rawson Ave. (CTH BB) from S. 27th St. to S. 20th St. project. Financing is anticipated to be provided from \$2,400,000 in Federal revenue and \$600,000 in County funds.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$460,000	\$360,000	\$0	\$0	\$100,000
2020	\$0	\$0	\$0	\$0	\$0
2021	\$3,000,000	\$2,400,000	\$0	\$0	\$600,000
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$3,460,000</b>	<b>\$2,760,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$700,000</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$360,000	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$100,000	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$460,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$150,000	\$360,000	\$0	\$510,000
Construction & Implementation	\$0	\$0	\$3,000,000	\$3,000,000
Right-of-Way Acquisition	\$0	\$100,000	\$0	\$100,000
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$150,000</b>	<b>\$460,000</b>	<b>\$3,000,000</b>	<b>\$3,610,000</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	2020	4
Complete Preliminary Plan (if applicable)	2018	4
Complete Final Plans & Specs	2020	4
Begin Implementation/Purchase Asset	2021	2
Substantially Completed	2021	4
Scheduled Sub-Project Closeout	2022	3

Useful Life (Yrs)

30

Requesting Department or Agency:

Dept of Transportation - Highways

Managing Department or Agency:

Same as Requesting Dept/Agency

Specialized Consultant(s) Retained:

Yes

Functional Group:

Transportation and Public Works

Capital Category:

Traffic, Roadways, & Bridges (Non-Airport)

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WH110</b>	Sub-Project No. <b>WH11001</b>	Sub-Project Title <b>W BELOIT RD (CTH T)-S 124TH ST TO S WOLLMER RD</b>
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**2019 Sub-Project Addresses the following item/issue:**

The sub-project addresses the need to meet the future transportation and safety provisions together with improving the deficiencies of the existing roadway system such as deteriorated pavement, poor shoulders and inadequate drainage system.

**2019 Scope of Work:**

The scope of work includes starting the design phase for the W. Beloit Rd. (CTH T) project from S. 124th St. to S. Wollmer Rd. in the County Highway Improvement Program (CHIP). The scope of work includes a reconditioning of the 1.4 mile segment of W. Beloit Rd. (CTH T) with hot mix asphalt pavement, including shoulder paving, minor drainage and safety improvements. The State funding from WISDOT under the County Highway Improvement Program (CHIP) is a maximum of \$807,992 for eligible project costs. THE STATE FUNDING EXPIRES ON JUNE 30, 2023.

**2020 - 2023 Scope of Work:**

The Five-Year Capital Improvements Plan includes additional appropriations of \$3,550,000 that are necessary to complete the work on the project. Financing is anticipated to be provided from \$807,992 in State revenue and \$2,742,008 in general obligation bonds.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$125,000	\$0	\$0	\$0	\$125,000
2020	\$450,000	\$0	\$0	\$0	\$450,000
2021	\$3,100,000	\$0	\$807,992	\$0	\$2,292,008
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$3,675,000</b>	<b>\$0</b>	<b>\$807,992</b>	<b>\$0</b>	<b>\$2,867,008</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$125,000	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$125,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$125,000	\$475,000	\$600,000
Construction & Implementation	\$0	\$0	\$3,000,000	\$3,000,000
Right-of-Way Acquisition	\$0	\$0	\$75,000	\$75,000
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$125,000</b>	<b>\$3,550,000</b>	<b>\$3,675,000</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	2020	4
Complete Preliminary Plan (if applicable)	2019	4
Complete Final Plans & Specs	2021	1
Begin Implementation/Purchase Asset	2021	2
Substantially Completed	2021	4
Scheduled Sub-Project Closeout	2022	3

Useful Life (Yrs)

20

Requesting Department or Agency:

Dept of Transportation - Highways

Managing Department or Agency:

Same as Requesting Dept/Agency

Specialized Consultant(s) Retained:

Yes

Functional Group:

Transportation and Public Works

Capital Category:

Traffic, Roadways, & Bridges (Non-Airport)

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WH111</b>	Sub-Project No. <b>WH11101</b>	Sub-Project Title <b>W FOREST HOME AVE (CTH OO)-HI-VIEW DR. TO S. NORTH CAPE RD RCNDTNG</b>
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**2019 Sub-Project Addresses the following item/issue:**

The sub-project addresses the need to meet the future transportation and safety provisions together with improving the deficiencies of the existing roadway system such as deteriorated pavement, poor shoulders and inadequate drainage system.

**2019 Scope of Work:**

The scope of work includes start the design phase for the W. Forest Home Ave. (CTH OO) project from Hi-View Dr. to S. North Cape Rd. in the County Highway Improvement Program (CHIP). The scope of work includes a reconditioning of the 2 mile segment of W. Forest Home Ave. (CTH OO) with hot mix asphalt pavement, including shoulder paving, minor drainage and safety improvements. The State funding from WISDOT under the County Highway Improvement Program (CHIP) is a maximum of \$1,531,354 for eligible project costs. THE STATE FUNDING EXPIRES ON JUNE 30, 2023.

**2020 - 2023 Scope of Work:**

The Five-Year Capital Improvements Plan includes additional appropriations of \$4,680,000 that are necessary to complete the work on the project. Financing is anticipated to be provided from \$1.53 million in State revenue and \$3.15 million in County funding.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$200,000	\$0	\$0	\$0	\$200,000
2020	\$375,000	\$0	\$0	\$0	\$375,000
2021	\$115,000	\$0	\$0	\$0	\$115,000
2022	\$4,190,000	\$0	\$1,531,354	\$0	\$2,658,646
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$4,880,000</b>	<b>\$0</b>	<b>\$1,531,354</b>	<b>\$0</b>	<b>\$3,348,646</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$200,000	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$200,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$200,000	\$415,000	\$615,000
Construction & Implementation	\$0	\$0	\$4,190,000	\$4,190,000
Right-of-Way Acquisition	\$0	\$0	\$75,000	\$75,000
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$4,680,000</b>	<b>\$4,880,000</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	2021	4
Complete Preliminary Plan (if applicable)	2020	4
Complete Final Plans & Specs	2021	4
Begin Implementation/Purchase Asset	2022	2
Substantially Completed	2022	4
Scheduled Sub-Project Closeout	2023	2

Useful Life (Yrs)

20

Requesting Department or Agency:

Dept of Transportation - Highways

Managing Department or Agency:

Same as Requesting Dept/Agency

Specialized Consultant(s) Retained:

Yes

Functional Group:

Transportation and Public Works

Capital Category:

Traffic, Roadways, & Bridges (Non-Airport)

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

Project No. <b>WH240</b>	Sub-Project No. <b>WH24001</b>	Sub-Project Title <b>W RAWSON (CTH BB) USH 45 TO HAWTHORNE LN</b>
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**2019 Sub-Project Addresses the following item/issue:**

The sub-project addresses the need to meet the future transportation and safety provisions together with improving the deficiencies of the existing roadway system such as deteriorated pavement, poor shoulders, inadequate drainage system, and insufficient access for both bicyclist and pedestrians.

**2019 Scope of Work:**

The scope of work includes the design phase for the W. Rawson Ave. (CTH BB) project from USH 45 to Hawthorne Ln. in the County Highway Improvement Program (CHIP). The work includes a reconditioning of the 1.2 mile segment of W. Rawson Ave. (CTH BB) with hot mix asphalt pavement, including shoulder paving, minor drainage and safety improvements. The State funding from Wisconsin Department of Transportation (WISDOT) under the County Highway Improvement Program (CHIP) is a maximum of \$793,000 for eligible project costs. THE STATE FUNDING EXPIRES ON JUNE 30, 2021. DUE TO THE PROJECT FUNDING NOT BEING APPROVED IN THE 2017 AND 2018 CAPITAL BUDGETS, IF THE PROJECT IS NOT APPROVED FOR THE DESIGN IN 2019 CONSTRUCTION WILL NOT TAKE PLACE IN 2020, RESULTING IN A LOSS OF THE STATE FUNDING IN ITS ENTIRETY.

**2020 - 2023 Scope of Work:**

The Five-Year Capital Improvements Plan includes additional appropriations of \$2,400,000 that are necessary to complete the work on the project. Financing is anticipated to be provided from \$793,000 in State revenue and \$1,607,000 in County funding.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$450,000	\$0	\$0	\$0	\$450,000
2020	\$2,400,000	\$0	\$793,000	\$0	\$1,607,000
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$2,850,000</b>	<b>\$0</b>	<b>\$793,000</b>	<b>\$0</b>	<b>\$2,057,000</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$450,000	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$450,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$450,000	\$0	\$450,000
Construction & Implementation	\$0	\$0	\$2,400,000	\$2,400,000
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$450,000</b>	<b>\$2,400,000</b>	<b>\$2,850,000</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	4
Complete Final Plans & Specs	2020	1
Begin Implementation/Purchase Asset	2020	2
Substantially Completed	2020	4
Scheduled Sub-Project Closeout	2021	2

Useful Life (Yrs)

20

Requesting Department or Agency:

Dept of Transportation - Highways

Managing Department or Agency:

Same as Requesting Dept/Agency

Specialized Consultant(s) Retained:

Yes

Functional Group:

Transportation and Public Works

Capital Category:

Traffic, Roadways, & Bridges (Non-Airport)

**SECTION 2**  
**MASS TRANSIT**

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**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

Project No. <b>WT079</b>	Sub-Project No. <b>WT07901</b>	Sub-Project Title <b>REPLACE MCTS FLEET MAINTENANCE ROOF</b>
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**2019 Sub-Project Addresses the following item/issue:**

The MCTS fleet maintenance building roof is over 30 years old and is well passed its useful life. Numerous leaks in the roof have caused major damage to the interior of the building. The roof is routinely patched for leaks, but it is near impossible to keep the roof leak-free at this point. Damage from leaks continues and the costs of patching are also increasing.

**2019 Scope of Work:**

The scope of work includes planning and design for replacement of the existing roofing system on facility. The work also includes development of structural and solar reports to assess suitability of the facility to accommodate rooftop solar photovoltaic field. A photovoltaic field component may be incorporated as design alternative depending on the conclusion of the reports and ROI (return on investment).

**2020 - 2023 Scope of Work:**

The scope of work includes installation of a new roofing system on the MCTS Fleet Maintenance facility per design (if phased, final roofing phase would be performed in 2021).

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$530,467	\$0	\$0	\$0	\$530,467
2020	\$4,150,791	\$0	\$0	\$0	\$4,150,791
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$4,681,258</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,681,258</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$530,467	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>		<b>\$530,467</b>	

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$530,467	\$0	\$530,467
Construction & Implementation	\$0	\$0	\$4,150,791	\$4,150,791
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$530,467</b>	<b>\$4,150,791</b>	<b>\$4,681,258</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	2
Complete Final Plans & Specs	2019	3
Begin Implementation/Purchase Asset	2020	1
Substantially Completed	2020	4
Scheduled Sub-Project Closeout	2020	4

Useful Life (Yrs)  
40

**Requesting Department or Agency:**  
Dept of Transportation - Transit/Paratransit

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
Yes

**Functional Group:**  
Transportation and Public Works

**Capital Category:**  
Facility Rehab or Major Maint

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WT083</b>	Sub-Project No. <b>WT08301</b>	Sub-Project Title <b>BUS RAPID TRANSIT</b>
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**2019 Sub-Project Addresses the following item/issue:**

Under Milwaukee County's 2017 Adopted Capital Budget, \$21,225,000 was authorized for the development, design and construction of the Bus Rapid Transit (BRT) Project. At that time, in order to make application to the Federal Transit Administration's (FTA) Capital Investment Grant (CIG) Program, Milwaukee County had to demonstrate its commitment to the BRT Project by committing local funds for the anticipated overall project costs. Financing was provided from \$1,968,487 in vehicle registration fee revenue, \$1,256,513 in general obligation bonds and \$18,000,000 in Federal Section 5309 CIG Program funds. This was a partial allocation for the project that was initially estimated at \$45,000,000 during the feasibility study. Project development to date has allowed for approvals from various units of local government, determinations of station locations, use of existing traffic or parking lanes; and analysis of the overall project on traffic conditions. This work also produced a more refined project budget of \$53,500,000.

This appropriation will provide the balance of funding needed to complete design and construction at the revised project cost.

**2019 Scope of Work:**

For 2019, an appropriation of \$31,000,000 is budgeted for the remainder of the project that will include construction of enhanced bus stations and lane striping; equipment such as diesel-hybrid buses and off-board fare collection systems and implementation. Financing is provided from \$4,511,000 in capital investment by the Milwaukee Regional Medical Center (MRMC), \$19,400,000 in Federal Section 5309 CIG Program funds and \$7,089,000 in County funds. In addition, \$1,275,000 is available in the existing capital project WT081 - Traffic Signal Prioritization.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$31,000,000	\$19,400,000	\$0	\$4,511,000	\$7,089,000
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$31,000,000</b>	<b>\$19,400,000</b>	<b>\$0</b>	<b>\$4,511,000</b>	<b>\$7,089,000</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$19,400,000	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$7,089,000	Gifts & Cash Contr	\$4,511,000
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$31,000,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$4,511,289	\$0	\$4,511,289
Construction & Implementation	\$21,225,000	\$12,772,816	\$0	\$33,997,816
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$13,715,895	\$0	\$13,715,895
<b>TOTAL</b>	<b>\$21,225,000</b>	<b>\$31,000,000</b>	<b>\$0</b>	<b>\$52,225,000</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	NA	0
Complete Final Plans & Specs	2018	4
Begin Implementation/Purchase Asset	2019	1
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2020	1

Useful Life (Yrs)

15

Requesting Department or Agency:

Dept of Transportation - Transit/Paratransit

Managing Department or Agency:

Same as Requesting Dept/Agency

Specialized Consultant(s) Retained:

Yes

Functional Group:

Transportation and Public Works

Capital Category:

Other Capital

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WT086</b>	Sub-Project No. <b>WT08601</b>	Sub-Project Title <b>REPLACE EMPLOYEE PARKING LOT &amp; LIGHTING AT FDL GARAGE</b>
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**2019 Sub-Project Addresses the following item/issue:**

The asphalt pavement at this location is over 30 years old and needs to be replaced for safety, as well as to prevent increasing yearly maintenance costs. The lot contains numerous large potholes, which is causing damage to vehicles. It has also been a safety issue for MCTS employees especially during winter months when snow and ice cover the lot. MCTS is spending \$5,000 a year in filling the pot holes, and the repairs only last one year. The project also includes replacing current lights with LED's. This project will be funded with 80% FTA Section 5307 funds and 20% County financing.

**2019 Scope of Work:**

The scope of work includes design, bid and construction for the replacement of the asphalt parking lot including 4 inches of asphalt pavement on 8 inches of stone base, concrete curb and gutter, drainage and storm sewers, new LED lights and other potential utility replacement under new pavement. A geogrid is proposed due to poor subgrade material is expected. Storm water best management practices, green infrastructure, natural areas restoration and management shall be incorporated where applicable. With respect to Sustainability and Energy Efficiency Lighting will be replaced with LED fixtures. Asphaltic concrete mixes used for surface course and binder course may contain salvaged or reclaimed asphaltic material. Crushed gravel base course may include crushed stone, crushed gravel, crushed concrete, reclaimed asphaltic pavement, reprocessed material or blended material.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$1,068,690	\$854,952	\$0	\$0	\$213,738
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$1,068,690</b>	<b>\$854,952</b>	<b>\$0</b>	<b>\$0</b>	<b>\$213,738</b>

**2019 Budget Year Financing**

Federal, State & Local Aid	\$854,952	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$213,738	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$1,068,690</b>		

**Capital Sub-Project Breakdown**

SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$121,102	\$0	\$121,102
Construction & Implementation	\$0	\$947,588	\$0	\$947,588
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$1,068,690</b>	<b>\$0</b>	<b>\$1,068,690</b>

**Initial Sub-Project Schedule**

	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	1
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	3
Scheduled Sub-Project Closeout	2019	4

**Useful Life (Yrs)**

20

**Requesting Department or Agency:**

Dept of Transportation - Transit/Paratransit

**Managing Department or Agency:**

Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**

Yes

**Functional Group:**

Transportation and Public Works

**Capital Category:**

Hard-Surface (Non-Roadway)

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

Project No. <b>WT107</b>	Sub-Project No. <b>WT10701</b>	Sub-Project Title <b>BUS LIFT REPLACEMENT 1-4 (MAINT FACILITY)</b>
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**2019 Sub-Project Addresses the following item/issue:**

The replacement of four condemned lifts (25, 26, 41 and 42) is needed in order to service the buses in a timely fashion, and get buses repaired in time for the next day's bus service. Currently, eight of the 28 lifts are non-functional in mechanical repair and the situation needs to be addressed before deferred maintenance costs become too great. Since all 28 lifts were installed at the same time, it stands to reason that more lifts will begin to fail.

**2019 Scope of Work:**

The scope of work includes replacement of four condemned hydraulic bus maintenance lifts ( #25, #26, #41, #42) at MCTS Fleet Maintenance/Hillside location. Installation of the new lifts includes saw-cutting the concrete floor in order to remove existing lift equipment, environmental remediation as necessary, installing new lift equipment, hookup of new electrical and hydraulic fluids, and restoration of concrete floor. With respect to sustainability and energy efficiency, the new lifts will be more energy and material efficient compared to the original lifts installed in the 1980's. The new lifts will eliminate or reduce leakage of hydraulic fluid thereby reducing volume of fluid required on an annual basis and reduce the potential for future soil and ground water contamination.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$897,458	\$0	\$0	\$0	\$897,458
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$897,458</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$897,458</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$897,458	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>		<b>\$897,458</b>	

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$101,701	\$0	\$101,701
Construction & Implementation	\$0	\$795,757	\$0	\$795,757
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$897,458</b>	<b>\$0</b>	<b>\$897,458</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2019	4

Useful Life (Yrs)

30

Requesting Department or Agency:

Dept of Transportation - Transit/Paratransit

Managing Department or Agency:

Dept of Admn Services - Facilities Management

Specialized Consultant(s) Retained:

Yes

Functional Group:

Transportation and Public Works

Capital Category:

Other Capital

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WT121</b>	Sub-Project No. <b>WT12101</b>	Sub-Project Title <b>BUS REPLACEMENT PROGRAM-2019</b>
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**2019 Sub-Project Addresses the following item/issue:**

Maintain an annual bus replacement schedule in order to mitigate higher maintenance and operational costs resulting from using buses beyond their useful life. The 27 buses to be replaced are 40-foot diesel buses purchased in 2004, 2005 and 2006 which are fully depreciated and have reached the end of their useful life. Project funding of \$13,400,000 is being requested, partially offset with CMAQ and federal Section 5339 funding.

Pursuant to County Board approval (file #18-640), the Department of Transportation anticipates submitting an application for the State of Wisconsin's Transit Capital Assistance Grant Program (Grant). Any awarded Grant funding would replace the County's 2019 bond financing of the (Grant eligible) bus purchases. Of the 27 buses included in the 2019 Capital Budget, 21 are Grant eligible and 6 buses are non-eligible (and would still require County funding).

**2019 Scope of Work:**

The Milwaukee County Transit System (MCTS) will replace 27 forty-foot diesel buses purchased in 2004, 2005 and 2006 which are fully depreciated and have reached the end of their useful life. Funding also includes FTA-required bus inspections.

**2020 - 2023 Scope of Work:**

The MCTS bus replacement schedule assumes thirty (30) replacement buses per year. Please refer to capital project WT10301 (Bus Replacement Program - Planning Placeholder) in the 5-Year Capital Improvement Plan for annual replacement costs in years 2020 - 2023.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$13,400,000	\$2,376,000	\$0	\$0	\$11,024,000
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$13,400,000</b>	<b>\$2,376,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$11,024,000</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$2,376,000	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$11,024,000	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$13,400,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$35,000	\$0	\$35,000
Construction & Implementation	\$0	\$0	\$0	\$0
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$13,365,000	\$0	\$13,365,000
<b>TOTAL</b>	<b>\$0</b>	<b>\$13,400,000</b>	<b>\$0</b>	<b>\$13,400,000</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	NA	0
Complete Final Plans & Specs	2018	1
Begin Implementation/Purchase Asset	2019	1
Substantially Completed	2020	2
Scheduled Sub-Project Closeout	2020	3

**Requesting Department or Agency:**

Dept of Transportation - Transit/Paratransit

**Managing Department or Agency:**

Same as Requesting Dept/Agency

**Specialized Consultant(s) Retained:**

No

**Functional Group:**

Transportation and Public Works

**Capital Category:**

Vehicles & Equipment

**Useful Life (Yrs)**

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## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA211</b>	Sub-Project No. <b>WA21101</b>	Sub-Project Title <b>GMIA - PHYSICAL ACCESS CONTROL SYSTEM UPGRADE</b>
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**2019 Sub-Project Addresses the following item/issue:**

The existing physical access control system (PACS) at General Mitchell International Airport (GMIA) is over 17 years old, and is becoming functionally obsolete and cost prohibitive to maintain. As technology advances, older systems cannot continue to fulfill their intended purpose. Physical access control is a federal requirement at GMIA under the Federal Aviation Administration (FAA) Code of Federal Regulation (CFR) Part 139 and 49 CFR Part 1542, §1542.207, and is the responsibility of the airport.

The physical access control system is a computer-based network of door and gate control hardware and software. Its purpose is to limit access to regulated areas of the airport to only those individuals whom have been properly credentialed to be in such areas. Financing is provided by Passenger Facility Charge (PFC) cash.

**2019 Scope of Work:**

The scope of work includes the implementation and construction of the physical access control system upgrade throughout GMIA. Implementation includes the replacement of computer hardware and software, user interface devices, network connectivity, programming, testing and commissioning of the new system and upgrades and inclusion of all portals into the PACS.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$5,462,471	\$0	\$0	\$0	\$5,462,471
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$5,462,471</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,462,471</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$5,462,471
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$5,462,471</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$300,000	\$236,845	\$0	\$536,845
Construction & Implementation	\$0	\$5,225,626	\$0	\$5,225,626
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$300,000</b>	<b>\$5,462,471</b>	<b>\$0</b>	<b>\$5,762,471</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2018	3
Complete Final Plans & Specs	2018	4
Begin Implementation/Purchase Asset	2019	1
Substantially Completed	2020	2
Scheduled Sub-Project Closeout	2020	3

Useful Life (Yrs)  
10

**Requesting Department or Agency:**  
  
**Managing Department or Agency:**  
  
**Specialized Consultant(s) Retained:**  
  
**Functional Group:**  
  
**Capital Category:**

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

Project No. <b>WA263</b>	Sub-Project No. <b>WA26301</b>	Sub-Project Title <b>GMIA HOWELL TUNNEL REHABILITATION</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Howell Ave. Roadway Tunnel Structure carries Runway 7R-25L and Taxiway A over S. Howell Ave. (STH 38) and was originally constructed in 1964. Based on a 2017 structural inspection and evaluation, a major rehabilitation of the concrete structure is recommended within the next two years to provide another 20 years of reliable service at the current load rating. The report further states that if the major rehabilitation is not implemented within the next two years, the structure will continue to deteriorate to a point where safety and servicability could become issues for both airport and roadway traffic, and the aircraft loading capacity of the structure may be compromised. Financing is provided by \$1,997,826 in Federal Aviation Administration (FAA) Airport Improvement Program (AIP) funding, \$332,971 in State funding and \$332,971 in Passenger Facility Charge (PFC) cash. Implementation of the project is contingent upon receiving the Federal and State grant funding.

**2019 Scope of Work:**

The scope of this sub-project consists of a major concrete structure rehabilitation of the Howell Ave. Tunnel Structure. The work includes concrete surface repair, expansion joint rehabilitation, concrete protective surface treatment, concrete staining, mill & overlay of asphalt pavement over the top of the tunnel, rehabilitation of electrical and HVAC systems within the tunnel structure, door replacement and providing an alternate electrical power source for the ventilation system.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$2,663,768	\$1,997,826	\$332,971	\$0	\$332,971
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$2,663,768</b>	<b>\$1,997,826</b>	<b>\$332,971</b>	<b>\$0</b>	<b>\$332,971</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$2,330,797	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$332,971
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>		<b>\$2,663,768</b>	

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$301,853	\$0	\$301,853
Construction & Implementation	\$0	\$2,361,915	\$0	\$2,361,915
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$2,663,768</b>	<b>\$0</b>	<b>\$2,663,768</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	3
Scheduled Sub-Project Closeout	2020	1

Useful Life (Yrs)	20
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**Requesting Department or Agency:**

**Managing Department or Agency:**

**Specialized Consultant(s) Retained:**

**Functional Group:**

**Capital Category:**

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA264</b>	Sub-Project No. <b>WA26401</b>	Sub-Project Title <b>GMIA TAXIWAYS E &amp; F PAVEMENT REHABILITATION</b>
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**2019 Sub-Project Addresses the following item/issue:**

All airfield pavements at General Mitchell International Airport (GMIA) were inspected and evaluated in 2016 by the Wisconsin Department of Transportation Bureau of Aeronautics, with a subsequent report issued describing the current pavement conditions. Taxiways E and F were identified in the report as having a Pavement Condition Index range of 38-47, which indicates the level of distress warranting consideration of pavement rehabilitation. The type of concrete pavement distress noted in the report were corner breaks, joint spalling, high-severity joint seal damage, surface popouts and a high number of patches. If left untreated, the pavement surface will continue to deteriorate, requiring more maintenance and raising the potential for pavement break-up and ingestion of small pieces of broken pavement into aircraft engines. Financing is provided by \$2,284,802 in Federal Aviation Administration (FAA) Airport Improvement Program (AIP) funding, \$380,800 in State funding and \$380,801 in Passenger Facility Charge (PFC) cash. Implementation of the project is contingent upon receiving the Federal and State grant funding.

**2019 Scope of Work:**

Remove and replace Taxiway E, north of Taxiway F1. Remove and replace Taxiway F between Taxiway Z and Runway 19R. This includes new shoulders, edge lighting modifications, guidance sign replacement and repair, in-pavement RGL installation, and storm sewer modifications to meet permit requirements. This estimate assumes removal of existing concrete and bond breaker and using underlying concrete as a base course.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$3,046,403	\$2,284,802	\$380,800	\$0	\$380,801
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$3,046,403</b>	<b>\$2,284,802</b>	<b>\$380,800</b>	<b>\$0</b>	<b>\$380,801</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$2,665,602	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$380,801
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$3,046,403</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$345,212	\$0	\$345,212
Construction & Implementation	\$0	\$2,701,191	\$0	\$2,701,191
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$3,046,403</b>	<b>\$0</b>	<b>\$3,046,403</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2020	1

Useful Life (Yrs)  
30

**Requesting Department or Agency:**  
Dept of Transportation - Airport

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
No

**Functional Group:**  
Transportation and Public Works

**Capital Category:**  
Traffic, Roadways, & Bridges (Airport)

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA267</b>	Sub-Project No. <b>WA26701</b>	Sub-Project Title <b>GMIA TAXIWAY P PAVEMENT REHABILITATION</b>
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**2019 Sub-Project Addresses the following item/issue:**

All airfield pavements at General Mitchell International Airport (GMIA) were inspected and evaluated in 2016 by the Wisconsin Department of Transportation Bureau of Aeronautics, with a subsequent report issued describing the current pavement conditions. Taxiway P was identified in the report as having a Pavement Condition Index of 31, which indicates the level of distress warranting consideration of pavement rehabilitation. Significant amounts of low-severity block cracking and medium-severity alligator cracking were identified in this section. Smaller amounts of low-severity depression and patching were also recorded. Low and medium-severity surface cracking, low-, medium-, and high-severity rutting, and high-severity weathering were also recorded. High-severity weathering was identified where the surface treatment had worn away. If left untreated, the pavement surface will continue to deteriorate, requiring more maintenance and raising the potential for pavement break-up and ingestion of small pieces of broken pavement into aircraft engines. Financing for this project is provided by \$240,503 in State grants and \$60,126 in Passenger Facilities Charge (PFC) cash. Implementation of the project is contingent upon receiving the State grant.

**2019 Scope of Work:**

Scope of this sub-project is the rehabilitation of the asphalt pavement on Taxiway P, from Taxiway B to the north end of pavement. Work consists of removal of the top 4-inches of asphalt pavement, and placement of new asphalt material. Scope also includes grading, pavement marking and site restoration.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$300,629	\$0	\$240,503	\$0	\$60,126
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$300,629</b>	<b>\$0</b>	<b>\$240,503</b>	<b>\$0</b>	<b>\$60,126</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$240,503	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$60,126
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$300,629</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$39,105	\$0	\$39,105
Construction & Implementation	\$0	\$261,524	\$0	\$261,524
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$300,629</b>	<b>\$0</b>	<b>\$300,629</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2020	2

Useful Life (Yrs)

15

Requesting Department or Agency:

Dept of Transportation - Airport

Managing Department or Agency:

Dept of Admn Services - Facilities Management

Specialized Consultant(s) Retained:

No

Functional Group:

Transportation and Public Works

Capital Category:

Traffic, Roadways, & Bridges (Airport)

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA268</b>	Sub-Project No. <b>WA26801</b>	Sub-Project Title <b>GMIA TERMINAL BUILDING ROOF &amp; SKYLIGHT REPLACEMENT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The roofing system and roof skylights in the main terminal building were originally installed in 1985. A comprehensive roof survey and condition assessment was completed in 2017 for all of the main buildings at General Mitchell International Airport (GMIA). Several repairs and patches have been completed on the terminal building roof system, with greater frequency of such repairs in the past 5 years. During rain events there are several locations within the public terminal area that are subject to water leaks from the roof and skylight systems. Based on recommendations from the survey report, the roof and skylights are beyond their useful lives and need to be replaced. Financing is provided by the Airport Development Fund (ADF) reserve.

**2019 Scope of Work:**

The scope of this sub-project is the complete removal and replacement of the building roof system and the skylight window system in the main terminal building at GMIA. Scope of construction includes the removal of the existing ethylene propylene diene terpolymer membrane (EPDM) roofing system, repair of any roof drains and roof insulation, flashing repair and replacement as needed for all roof penetrations, installation of a new EPDM roof membrane and ballast material. Skylight replacement includes removal of the existing window glazing system, repair of the skylight openings as needed and installation of new custom skylight window glazing system.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$3,644,881	\$0	\$0	\$0	\$3,644,881
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$3,644,881</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,644,881</b>

**2019 Budget Year Financing**

Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$3,644,881	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$3,644,881</b>		

**Capital Sub-Project Breakdown**

SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$413,031	\$0	\$413,031
Construction & Implementation	\$0	\$3,231,850	\$0	\$3,231,850
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$3,644,881</b>	<b>\$0</b>	<b>\$3,644,881</b>

**Initial Sub-Project Schedule**

	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	2
Complete Final Plans & Specs	2019	4
Begin Implementation/Purchase Asset	2020	2
Substantially Completed	2020	3
Scheduled Sub-Project Closeout	2021	2

**Useful Life (Yrs)**

20

**Requesting Department or Agency:**

Dept of Transportation - Airport

**Managing Department or Agency:**

Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**

Yes

**Functional Group:**

Transportation and Public Works

**Capital Category:**

Facility Rehab or Major Maint

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA269</b>	Sub-Project No. <b>WA26901</b>	Sub-Project Title <b>GMIA - TERMINAL FIRE ALARM SYSTEM REPLACEMENT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The existing fire alarm system in the General Mitchell International Airport (GMIA) terminal and concourse buildings was last updated in 2003. Based on an investigation of the system in 2017, the devices are reaching the end of their useful life. Additionally, there have been several malfunctions of the system that have, in some cases, resulted in false alarms being broadcast throughout the terminal and concourses. These malfunctions have been increasing in recent years. Having a reliable building fire alarm system is vital to the safety of the public, tenants and employees of the facility. Funding is provided by Passenger Facility Charge (PFC) cash.

**2019 Scope of Work:**

Scope of this sub-project is the complete upgrade and replacement of the building fire alarm system at GMIA. The work includes the replacement of aging and obsolete panels with current technology, replacement of detection and annunciation devices that are more than 5 years old, replacement of the inter-panel communications method to digital fiber optic techniques and the upgrade of all audio transmission protocols to digital systems. Scope also includes the addition of areas of the airport that currently do not have voice communication to the occupants. The 2019 scope is planning and design only.

**2020 - 2023 Scope of Work:**

Construction of the building fire alarm system as described above.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$939,350	\$0	\$0	\$0	\$939,350
2020	\$7,350,224	\$0	\$0	\$0	\$7,350,224
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$8,289,574</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,289,574</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$939,350
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$939,350</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$939,350	\$0	\$939,350
Construction & Implementation	\$0	\$0	\$7,350,224	\$7,350,224
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$939,350</b>	<b>\$7,350,224</b>	<b>\$8,289,574</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	3
Complete Final Plans & Specs	2019	4
Begin Implementation/Purchase Asset	2020	1
Substantially Completed	2021	4
Scheduled Sub-Project Closeout	2022	3

Useful Life (Yrs)

15

Requesting Department or Agency:

Dept of Transportation - Airport

Managing Department or Agency:

Dept of Admn Services - Facilities Management

Specialized Consultant(s) Retained:

Yes

Functional Group:

Transportation and Public Works

Capital Category:

Other Capital

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA270</b>	Sub-Project No. <b>WA27001</b>	Sub-Project Title <b>GMIA TICKETING AREA REMODELING</b>
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**2019 Sub-Project Addresses the following item/issue:**

The ticketing area at General Mitchell International Airport (GMIA) was constructed in 1985 along with the main terminal building. The entire floor space consists of carpeting, with the exception of one of the doorway walk-off areas and the escalator/stairway landings. The ceiling is an architectural drop metal ceiling with recessed lighting. The ceiling is original to the building and the lighting has been retrofitted with newer internal fixtures several years ago. In 2015 a preliminary architectural survey of the ticketing area space was conducted for the purpose of developing interior floor, ceiling and lighting concepts that would make the space more attractive, brighter and replace the carpeting with hard surface flooring. Due to the high volume of pedestrian traffic in this area, the wall and floor finishes in all five entryways have become worn and damaged. The flow of pedestrian traffic in the entryway vestibules is separated by a solid wall, limiting the width of each respective doorway opening. The carpeted areas have become difficult to clean and maintain particularly in the main traffic flow areas. The purpose of this sub-project is to replace the interior finishes, lighting and entryways to make the space more appealing and less costly to maintain. Financing is provided by the Airport Development Fund (ADF) reserve.

**2019 Scope of Work:**

This sub-project consists of the interior remodeling of the ticketing area of the GMIA terminal building. Work items include the replacement of the flooring and ceiling finishes, lighting, automatic doors and doorway vestibules, interior and exterior signs. Scope also includes the addition of common use technology in the ticket counters.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$3,459,081	\$0	\$0	\$0	\$3,459,081
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$3,459,081</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,459,081</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$3,459,081	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$3,459,081</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$391,976	\$0	\$391,976
Construction & Implementation	\$0	\$3,067,105	\$0	\$3,067,105
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$3,459,081</b>	<b>\$0</b>	<b>\$3,459,081</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	2
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2020	3
Scheduled Sub-Project Closeout	2021	1

Useful Life (Yrs)  

25
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**Requesting Department or Agency:**  

Dept of Transportation - Airport
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**Managing Department or Agency:**  

Dept of Admn Services - Facilities Management
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**Specialized Consultant(s) Retained:**  

Yes
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**Functional Group:**  

Transportation and Public Works
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**Capital Category:**  

Facility_New Construction, Alteration, or Expansion
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## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA271</b>	Sub-Project No. <b>WA27101</b>	Sub-Project Title <b>GMIA REPLACEMENT JET BRIDGES - 2019</b>
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**2019 Sub-Project Addresses the following item/issue:**

All of the passenger loading bridges (PLBs) at General Mitchell International Airport (GMIA) are owned by Milwaukee County and collectively serve over 7 million passengers per year. A condition assessment of all PLBs was completed in 2017, and a replacement plan developed from the information gathered from the assessment. PLBs at or beyond their useful life are recommended to be replaced in order to maintain safe, reliable and efficient operation. There are also several gates at GMIA that currently do not have PLBs due to past use of ground boarding operations. Safe and reliable PLB functionality is essential to efficient gate operations. Financing is provided by Passenger Facility Charge (PFC) cash.

**2019 Scope of Work:**

Scope of this sub-project consists of the removal and replacement of the PLBs at Gates D48, D41 and D45 at GMIA. Scope includes the purchase and installation of the PLBs, electrical and security improvements to each gate location and concrete foundation repair work as needed. The PLBs will have ground power and pre-conditioned air features, enabling the docked aircraft to completely power down thereby reducing air emissions and noise.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$2,280,056	\$0	\$0	\$0	\$2,280,056
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$2,280,056</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,280,056</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$2,280,056
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$2,280,056</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$118,161	\$0	\$118,161
Construction & Implementation	\$0	\$2,161,895	\$0	\$2,161,895
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$2,280,056</b>	<b>\$0</b>	<b>\$2,280,056</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	1
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2020	2

Useful Life (Yrs)  

15
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**Requesting Department or Agency:**  

Dept of Transportation - Airport
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**Managing Department or Agency:**  

Dept of Admn Services - Facilities Management
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**Specialized Consultant(s) Retained:**  

Yes
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**Functional Group:**  

Transportation and Public Works
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**Capital Category:**  

Facility Replacement
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## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA272</b>	Sub-Project No. <b>WA27201</b>	Sub-Project Title <b>GMIA - PARKING ACCESS &amp; REVENUE CONTROL SYSTEM REPLACEMENT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The existing Parking Access & Revenue Control System (PARCS) at General Mitchell International Airport (GMIA) was installed in 2004 with a software update in 2010-2011. The system is no longer supported by the manufacturer and certain components are no longer available. The PARCS controls access to all of the public and employee parking areas at GMIA including the parking structure. The PARCS also manages and accounts for the parking revenue from all of the parking facilities at GMIA. Revenue generated from parking is the largest source of revenue for the airport. Having proper control of the parking facilities and accurate accounting of the parking revenue is vital to the economic viability of the airport. Financing is provided by the Capital Improvement Reserve Account (CIRA) and the Customer Facility Charge (CFC) reserve.

**2019 Scope of Work:**

Scope of this project includes the upgrade and replacement of the GMIA PARCS. Locations included in the sub-project include the parking structure, parking administration office and surface parking areas. Work includes replacement of the parking revenue control software, software licenses, hardware devices, cashier terminals, ticket dispensers, access control devices, testing and commissioning of all equipment.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$2,939,606	\$0	\$0	\$0	\$2,939,606
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$2,939,606</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,939,606</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$2,939,606	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$2,939,606</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$333,111	\$0	\$333,111
Construction & Implementation	\$0	\$2,606,495	\$0	\$2,606,495
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$2,939,606</b>	<b>\$0</b>	<b>\$2,939,606</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	1
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	3
Scheduled Sub-Project Closeout	2020	2

Useful Life (Yrs)  
10

**Requesting Department or Agency:**  
Dept of Transportation - Airport

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
No

**Functional Group:**  
Transportation and Public Works

**Capital Category:**  
Other Capital

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA273</b>	Sub-Project No. <b>WA27301</b>	Sub-Project Title <b>GMIA PARKING STRUCTURE FAÇADE REHABILITATION</b>
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**2019 Sub-Project Addresses the following item/issue:**

The parking structure at General Mitchell International Airport (GMIA) consists of three separate structures, constructed in 1977, 1989 and 2000 respectively. The facade of the entire parking structure facility was inspected in 2010 and again in 2012. The reports from those inspections indicate significant distress and deterioration at isolated locations that may affect the structural integrity of the facade if repairs and rehabilitation do not occur. Properly maintained structure facades is essential for the safety, longevity and servcability of the facility. Financing is provided by the Airport Development Fund (ADF) reserve.

**2019 Scope of Work:**

The scope of this sub-project consists of the recommended parking structure façade repairs from the two aforementioned inspections. Those items include repair of precast concrete panel connections, repair of spalls, seal concrete frame spalls and cracks, replace expansion joint sealant and calk, repair of post-tensioning plugs and minor touch-up painting.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$335,571	\$0	\$0	\$0	\$335,571
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$335,571</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$335,571</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$335,571	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$335,571</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$38,032	\$0	\$38,032
Construction & Implementation	\$0	\$297,539	\$0	\$297,539
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$335,571</b>	<b>\$0</b>	<b>\$335,571</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	3
Scheduled Sub-Project Closeout	2020	2

Useful Life (Yrs)

20

Requesting Department or Agency:

Dept of Transportation - Airport

Managing Department or Agency:

Dept of Admn Services - Facilities Management

Specialized Consultant(s) Retained:

Yes

Functional Group:

Transportation and Public Works

Capital Category:

Facility Rehab or Major Maint

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA274</b>	Sub-Project No. <b>WA27401</b>	Sub-Project Title <b>GMIA PARKING STRUCTURE STORM WATER PIPE REPLACEMENT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The parking structure at General Mitchell International Airport (GMIA) consists of three separate structures, constructed in 1977, 1989 and 2000 respectively. Storm water runoff drains through a system of conveyance pipes and catch basins located throughout the entire facility. The original infrastructure of this drainage system has deteriorated to the point of storm water leaking onto adjacent pavements and in some cases, parked customer vehicles. Based on inspection reports from GMIA Maintenance, all of the metal conveyance pipes and drains are exhibiting distress, and require replacement. at various locations on all levels. Properly maintained drainage infrastructure is essential for the longevity and serviceability of the facility. The parking structure at GMIA is the largest source of revenue for the airport and is vital to its economic sustainability. Financing is provided by the Airport Development Fund (ADF) reserve.

**2019 Scope of Work:**

Scope of this sub-project consists of the replacement of failed damaged ductile iron storm water drainage conductors located in the GMIA Parking Structure, Levels 1-6. Work also includes the removal and replacement of the failed ceiling / floor drains and install missing pipe guards.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$888,199	\$0	\$0	\$0	\$888,199
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$888,199</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$888,199</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$888,199	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$888,199</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$100,651	\$0	\$100,651
Construction & Implementation	\$0	\$787,548	\$0	\$787,548
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$888,199</b>	<b>\$0</b>	<b>\$888,199</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/a	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2020	2
Scheduled Sub-Project Closeout	2020	4

Useful Life (Yrs)

30

Requesting Department or Agency:

Dept of Transportation - Airport

Managing Department or Agency:

Dept of Admn Services - Facilities Management

Specialized Consultant(s) Retained:

Yes

Functional Group:

Transportation and Public Works

Capital Category:

Facility Rehab or Major Maint

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA275</b>	Sub-Project No. <b>WA27501</b>	Sub-Project Title <b>GMIA PARKING STRUCTURE EXPANSION JOINT REPLACEMENT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The parking structure at General Mitchell International Airport (GMIA) consists of three separate structures, constructed in 1977, 1989 and 2000 respectively. The entire parking structure was inspected and evaluated in 2011 and updated in 2016. Based on the recommendations in those inspection reports, the structural expansion joints require replacement at various locations on all levels. The recommended replacement schedule is based on the condition of the expansions joints, with the ones in the poorest condition receiving the highest priority. Properly maintained expansion joints are essential for the longevity and servicability of the facility. The parking structure at GMIA is the largest source of revenue for the airport, and is vital to its economic sustainability. Financing is provided by the Capital Improvement Reserve Account (CIRA) and the Customer Facility Charge (CFC) reserve.

**2019 Scope of Work:**

Scope of this sub-project consists of the removal and replacement of structural slab expansion joint material and necessary slab end treatments adjacent to the joint material. Scope also includes any minor repair work to the expansion joint, slab ends and steel post-tensioning tendons as necessary.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$734,053	\$0	\$0	\$0	\$734,053
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$734,053</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$734,053</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$734,053	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$734,053</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$83,184	\$0	\$83,184
Construction & Implementation	\$0	\$650,869	\$0	\$650,869
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$734,053</b>	<b>\$0</b>	<b>\$734,053</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2020	3

Useful Life (Yrs)  
15

**Requesting Department or Agency:**  
Dept of Transportation - Airport

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
Yes

**Functional Group:**  
Transportation and Public Works

**Capital Category:**  
Facility Rehab or Major Maint

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA276</b>	Sub-Project No. <b>WA27601</b>	Sub-Project Title <b>LJT SUPPORT PAVEMENT REHABILITATION - 2019</b>
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**2019 Sub-Project Addresses the following item/issue:**

All airfield pavements at Lawrence J. Timmerman (LJT) airport were inspected and evaluated in 2016 by the Wisconsin Department of Transportation Bureau of Aeronautics, with a subsequent report issued describing the current pavement conditions. The pavement area identified in the report has a Pavement Condition Index of 25, which indicates the level of distress warranting consideration of pavement rehabilitation. The type of pavement distress noted in the report were corner breaks, joint spalling, high-severity joint seal damage, surface pop-outs and a high number of patches. If left untreated, the pavement surface will continue to deteriorate, requiring more maintenance and raising the potential for pavement break-up and ingestion of small pieces of broken pavement Foreign Object Debris (FOD) into aircraft engines. Financing is provided by State grants and the Capital Improvement Reserve Account (CIRA). Implementation of this project is contingent upon receiving the State grant funding.

**2019 Scope of Work:**

Rehabilitate existing asphalt on airport support pavements. These pavements include the tower ramp, control tower parking lot and access roadway, main airport access roadway, perimeter roadway, maintenance vehicle approach area, and other aircraft areas. Remove unused pavement in Runway 22R object free area and near maintenance building. Rehabilitation techniques to include the removal and replacement of the top lift of asphalt and spot repairs of subgrade failures.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$797,981	\$0	\$638,385	\$0	\$159,596
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$797,981</b>	<b>\$0</b>	<b>\$638,385</b>	<b>\$0</b>	<b>\$159,596</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$638,385	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$159,596	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$797,981</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$90,426	\$0	\$90,426
Construction & Implementation	\$0	\$707,555	\$0	\$707,555
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$797,981</b>	<b>\$0</b>	<b>\$797,981</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2020	2
Scheduled Sub-Project Closeout	2020	4

Useful Life (Yrs)

15

Requesting Department or Agency:

Dept of Transportation - Airport

Managing Department or Agency:

Dept of Admn Services - Facilities Management

Specialized Consultant(s) Retained:

No

Functional Group:

Transportation and Public Works

Capital Category:

Traffic, Roadways, & Bridges (Airport)

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA277</b>	Sub-Project No. <b>WA27701</b>	Sub-Project Title <b>LJT TAXIWAY PAVEMENT REHABILITATION - 2019</b>
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**2019 Sub-Project Addresses the following item/issue:**

All airfield pavements at Lawrence J. Timmerman (LJT) airport were inspected and evaluated in 2016 by the Wisconsin Department of Transportation Bureau of Aeronautics, with a subsequent report issued describing the current pavement conditions. Taxiways C, D, D1, D2, B were identified in the report as having a Pavement Condition Index of 42, which indicates the level of distress warranting consideration of pavement rehabilitation. The type of pavement distress noted in the report were low to medium-severity alligator cracking, patching, high-severity weathering was observed where the applied surface treatment had worn away, while high-severity raveling was recorded where the applied surface treatment has become dislodged producing a Foreign Object Debris (FOD) potential. If left untreated, the pavement surface will continue to deteriorate, requiring more maintenance and raising the potential for pavement break-up and damage to aircraft from FOD. Financing is provided by Federal grants, State grants, and the Capital Improvement Reserve Account (CIRA). Implementation of this project is contingent upon receiving the Federal and State grant funding.

**2019 Scope of Work:**

Rehabilitate existing asphalt on airport taxiways D, D1, D2, the southern half of taxiway B, and the northern third of taxiway C. Rehabilitation techniques to include the removal and replacement of the top lift of asphalt and spot repairs of subgrade failures, if needed. After resurfacing the pavement, pavement markings will be replaced, and the turf will be repaired along the milled edges.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$598,820	\$538,936	\$29,942	\$0	\$29,942
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$598,820</b>	<b>\$538,936</b>	<b>\$29,942</b>	<b>\$0</b>	<b>\$29,942</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$568,878	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$29,942	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$598,820</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$67,857	\$0	\$67,857
Construction & Implementation	\$0	\$530,963	\$0	\$530,963
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$598,820</b>	<b>\$0</b>	<b>\$598,820</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2020	2
Scheduled Sub-Project Closeout	2020	4

Useful Life (Yrs)  
15

Requesting Department or Agency:  
Dept of Transportation - Airport

Managing Department or Agency:  
Dept of Admn Services - Facilities Management

Specialized Consultant(s) Retained:  
No

Functional Group:  
Transportation and Public Works

Capital Category:  
Traffic, Roadways, & Bridges (Airport)

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WA278</b>	Sub-Project No. <b>WA27801</b>	Sub-Project Title <b>GMIA HEAVY EQUIPMENT REPLACEMENT - 2019</b>
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**2019 Sub-Project Addresses the following item/issue:**

General Mitchell International Airport (GMIA) is replacing equipment that is eligible to be funded with Passenger Facility Charge (PFC) revenue. Vehicles and equipment used at GMIA must be reliable and in proper working order for the Airport to fulfil its core mission. In order to minimize maintenance costs as well as equipment and vehicle down-time, older equipment is retired and replaced according to a schedule developed by GMIA Maintenance. Financing will be provided from Passenger Facility Charge (PFC) cash.

**2019 Scope of Work:**

The subproject will replace two plow trucks and two rotary plows used in snow removal.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$2,110,000	\$0	\$0	\$0	\$2,110,000
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$2,110,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,110,000</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$2,110,000
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$2,110,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$0	\$0	\$0
Construction & Implementation	\$0	\$0	\$0	\$0
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$2,110,000	\$0	\$2,110,000
<b>TOTAL</b>	<b>\$0</b>	<b>\$2,110,000</b>	<b>\$0</b>	<b>\$2,110,000</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	0	0
Complete Preliminary Plan (if applicable)	0	0
Complete Final Plans & Specs	0	0
Begin Implementation/Purchase Asset	2019	1
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2020	1

Useful Life (Yrs)  
12

Requesting Department or Agency:  
Dept of Transportation - Airport

Managing Department or Agency:  
Dept of Transportation - Fleet Management

Specialized Consultant(s) Retained:  
No

Functional Group:  
Transportation and Public Works

Capital Category:  
Vehicles & Equipment

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

Project No. <b>WA279</b>	Sub-Project No. <b>WA27901</b>	Sub-Project Title <b>GMIA EMPLOYEE PARKING LOT PAVEMENT REHAB</b>
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**2019 Sub-Project Addresses the following item/issue:**

The employee parking lot was constructed in 2000 as part of the Parking Structure Addition project. The existing condition of the asphalt pavement is fair to poor throughout the entire area of the lot. Super Saver Lot B would be used for employee parking while the project is taking place. Financing is provided by the Airport Development Fund (ADF) reserve.

**2019 Scope of Work:**

The scope of work includes for the pavement rehabilitation of the GMIA employee lot includes milling and overlay of asphalt pavement, minor drainage improvements, pavement marking and minor site restoration.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$996,770	\$0	\$0	\$0	\$996,770
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$996,770</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$996,770</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$996,770	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$996,770</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$112,956	\$0	\$112,956
Construction & Implementation	\$0	\$883,814	\$0	\$883,814
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$996,770</b>	<b>\$0</b>	<b>\$996,770</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	N/A	0
Complete Preliminary Plan (if applicable)	2019	2
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2020	2

Useful Life (Yrs)

15

Requesting Department or Agency:

Dept of Transportation - Airport

Managing Department or Agency:

Dept of Admn Services - Facilities Management

Specialized Consultant(s) Retained:

No

Functional Group:

Transportation and Public Works

Capital Category:

Hard-Surface (Non-Roadway)

**SECTION 4**  
**ENVIRONMENTAL**

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## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WV046</b>	Sub-Project No. <b>WV04601</b>	Sub-Project Title <b>WARNIMONT PARK GUN CLUB REMEDIATION</b>
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**2019 Sub-Project Addresses the following item/issue:**

The State of Wisconsin Department of Natural Resources (State) issued a responsible party (RP) letter to Milwaukee County (County) requiring the investigation and remediation of soil contamination located on the property in accordance with State environmental regulations. This project addresses these requirements and includes further investigation, removal of contaminants and/or the prevention of direct contact with contaminated soils, and the prevention of continuing surface water contamination through the erosion of contaminated soils.

**2019 Scope of Work:**

The scope of work entails a State required remedial action to lessen environmental impacts of the operation of the Cudahy Sportsmans Club within Warnimont Park. Scope of the project includes site investigation to delineate off shore impacts. The scope also includes capping of the site with one foot of soil and vegetation to prevent direct contact with contaminants. With respect to sustainability/energy efficiency, the remedial action will protect the public and the environment and reduce the risk of adverse health effects from exposure to pollutants.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$241,017	\$0	\$0	\$0	\$241,017
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$241,017</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$241,017</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$241,017	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$241,017</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$27,316	\$0	\$27,316
Construction & Implementation	\$0	\$213,701	\$0	\$213,701
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$241,017</b>	<b>\$0</b>	<b>\$241,017</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2019	4

Useful Life (Yrs)

25

**Requesting Department or Agency:**

Dept of Admin Services - Fclty Mngmnt - ENV section

**Managing Department or Agency:**

Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**

Yes

**Functional Group:**

Transportation and Public Works

**Capital Category:**

Other Capital

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WV049</b>	Sub-Project No. <b>WV04901</b>	Sub-Project Title <b>COUNTY-WIDE SANITARY SEWERS REPAIRS-2019</b>
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**2019 Sub-Project Addresses the following item/issue:**

In August 2004 the County received a Notice of Violation/Notice of Claim from the WDNR stating that they believed Milwaukee County to be in violation of the general permit for "Bypasses or Overflows from Sewage Collection Systems (WI-0047341-03). In January 2005, the County (as one of 28 defendants) received the proposed stipulated settlement from the State Attorney General's office requiring specific actions from the defendants. As a member of the MMSD-Technical Advisory Team (TAT), the County worked with representatives from the other communities to create a stipulated settlement agreement (agreement) that was issued in 2006. The agreement directed municipalities to improve the condition of their sanitary sewer facilities in order to minimize the inflow and infiltration of clear water into the sanitary sewer system. A reduction of clear water in the system reduces the amount of sewage that needs to be treated and reduces the possibility of sewer backups and overflows.

The agreement requires continued evaluation/inspection of the sanitary sewer system every 5 years. An inspection of approximately 20% of the County sanitary sewer system is undertaken on an annual basis.

**2019 Scope of Work:**

Sanitary sewer field inspections (including televising sewer pipes) in 2017/18, will be reviewed to compile a list of deficiencies to be completed within 18 months. Anticipated scope of work includes restoring manholes by fixing chimneys or bringing low manholes to grade; pipe-related work including CIPP lining, Grouting, Root Cutting and partial or complete replacements. With respect to sustainability and energy efficiency, continuous efforts to keep clear water of the sewer will reduce the overall amount of pumping that lift stations will have to perform and therefore save on the amount of electricity used.

**2020 - 2023 Scope of Work:**

Anticipated 2020 – 2023 County-wide Sanitary Sewer Repairs are reflected in capital project WV04801 of the 5-Year Capital Improvement Plan.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$149,998	\$0	\$0	\$0	\$149,998
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$149,998</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$149,998</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$149,998	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$149,998</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$17,004	\$0	\$17,004
Construction & Implementation	\$0	\$132,994	\$0	\$132,994
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$149,998</b>	<b>\$0</b>	<b>\$149,998</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2019	3
Scheduled Sub-Project Closeout	2019	4

Useful Life (Yrs)  
30

**Requesting Department or Agency:**  
Dept of Admin Services - Fclty Mngmnt - ENV section

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
No

**Functional Group:**  
Transportation and Public Works

**Capital Category:**  
Facility Rehab or Major Maint

**SECTION 5  
PARKS**

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## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WP050</b>	Sub-Project No. <b>WP05046</b>	Sub-Project Title <b>LINCOLN PARK BASEBALL LIGHTING</b>
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**2019 Sub-Project Addresses the following item/issue:**

In late fall of 2015, the 80-foot field lighting poles (double timber poles) and lights on the 3rd base side of Henry Aaron Field near home plate were blown over in a high wind event. After emergency removal of these lights Parks immediately had the remaining seven pairs of poles inspected and removed an additional pole set on the 1st base side near home plate for safety reasons and to accommodate the installation of a new artificial turf infield by UWM. In 2016, additional funds were set aside to remove the remaining non-functional lights and poles for safety reasons. The scope of work for the new lighting system should include a new 480 volt 3-phase WE Energies electrical service. There is unmet demand for playing time at this facility by local colleges and high schools. Not all entities wishing playing time can be accommodated at this time. Adding lights would fulfill this unmet demand by creating additional playing time, thereby increasing the revenue potential of Parks only artificial turf baseball field.

**2019 Scope of Work:**

The scope of work includes planning and design for replacement of the existing exterior lighting system at Henry Aaron Field Baseball Diamond at Lincoln Park.

**2020 - 2023 Scope of Work:**

The scope of work includes installation of a new lighting system including 480 volt, 3-phase (Wisconsin Energies) electrical service for the Henry Aaron Field Baseball Diamond at Lincoln Park.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$42,885	\$0	\$0	\$0	\$42,885
2020	\$335,521	\$0	\$0	\$0	\$335,521
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$378,406</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$378,406</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$42,885	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$42,885</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$42,885	\$0	\$42,885
Construction & Implementation	\$0	\$0	\$335,521	\$335,521
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$42,885</b>	<b>\$335,521</b>	<b>\$378,406</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	na	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	3
Begin Implementation/Purchase Asset	TBD	0
Substantially Completed	TBD	0
Scheduled Sub-Project Closeout	TBD	0

Useful Life (Yrs)  
15

**Requesting Department or Agency:**  
Parks, Recreation, & Culture

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
Yes

**Functional Group:**  
Parks, Recreation, & Culture

**Capital Category:**  
Facility Replacement

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WP498</b>	Sub-Project No. <b>WP49801</b>	Sub-Project Title <b>UNDERWOOD CREEK PARKWAY REPLACEMENT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Underwood Creek Parkway segment that falls between Bluemound Road and 119th Street is 0.41 miles in length and has been rated as a 36 out of 100 in 2018. The roadway has been annually patched for approximately 10-years, and deteriorates with each freeze-thaw cycle. This portion of roadway is fronted by numerous residential properties, and also serves as a collector street for the adjacent neighborhood. The pavement is cracked and heaved in locations, and is a hazard for both vehicles and the bicycles that use this stretch as a mapped leg of the Oak Leaf Trail. Some areas of this parkway have broken curb, while others have no curb at all due to deterioration. Lighting in this stretch is not reflective of current Parks standard materials, nor is it consistent with the City of Wauwatosa's reconstruction within the portion of the parkway road that falls under their jurisdiction. Residents and users of this parkway regularly reach out to request patching and other maintenance needs related to the poor road condition.

**2019 Scope of Work:**

The scope of work includes planning and design for replacement of Underwood Creek Parkway - Bluemound Road to 119th Street with (rated 26/100) including 4 inches of asphalt pavement on 8 inches of stone base, LED lighting, concrete curb and gutter, drainage and storm sewers, and other potential utility replacement under new pavement. Storm water best management practices, green infrastructure, natural areas restoration and management shall be incorporated where applicable. With respect to Sustainability and Energy Efficiency, lighting will be replaced with LED fixtures. Asphaltic concrete mixes used for surface course and binder course may contain salvaged or reclaimed asphaltic material. Crushed gravel base course may include crushed stone, crushed gravel, crushed concrete, reclaimed asphaltic pavement, reprocessed material or blended material.

**2020 - 2023 Scope of Work:**

The scope of work includes construction for the replacement of Underwood Creek Parkway - Bluemound Road to 119th Street.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$133,663	\$0	\$0	\$0	\$133,663
2020	\$1,050,500	\$0	\$0	\$0	\$1,050,500
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$1,184,163</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,184,163</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$133,663	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$133,663</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$133,663	\$0	\$133,663
Construction & Implementation	\$0	\$0	\$1,050,500	\$1,050,500
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$133,663</b>	<b>\$1,050,500</b>	<b>\$1,184,163</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	2
Complete Final Plans & Specs	2019	4
Begin Implementation/Purchase Asset	2020	2
Substantially Completed	2020	3
Scheduled Sub-Project Closeout	2020	4

Useful Life (Yrs)  
20

**Requesting Department or Agency:**  
Parks, Recreation, & Culture

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
Yes

**Functional Group:**  
Parks, Recreation, & Culture

**Capital Category:**  
Traffic, Roadways, & Bridges (Non-Airport)

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WP538</b>	Sub-Project No. <b>WP53801</b>	Sub-Project Title <b>ROOT RIVER PKWY RECSTRC-PKWY-92ND &amp; PARKING LOT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Root River Parkway provides vehicle access along the Root River and connections to popular recreational facilities located in Whitnall Park including the Whitnall Park Golf Course, the Boerner Botanical Gardens, and the Wehr Nature Center. Importantly, it also carries the Oak Leaf Trail. This section of parkway has reached the end of its useful life as indicated by the 2018 pavement rating of 24/100. It is extremely deteriorated and requires regular patch repair work in order to remain open. In addition to the deteriorated pavement, the parkway requires reconstruction of the storm sewer and roadway lighting systems. Replacement of municipal utilities such as sanitary sewers, water mains, storm sewers and lighting will also be coordinated with the project. Traffic calming measures, storm water best management practices, green infrastructure, natural areas restoration and management, and connections to city streets and state highways are also included in the reconstruction plans. Widening of the roadway to accommodate special event parking needs associated with the new permanent beer garden should be considered during the project design.

**2019 Scope of Work:**

The scope of work includes planning and design for replacement (including possible widening) of Root River Parkway (College Avenue from Parkway to S 92nd Street) and reconstruction of the Whitnall Park Beer Garden parking lot. The parkway will be pulverized, regraded, and reconstructed including 4 inches of asphalt pavement on 6 inches minimum of stone base, concrete curb and gutter, drainage/storm sewers, and other utility replacement under new pavement. The road will be widened to accommodate parking. A 10' wide asphalt path will be constructed running parallel with the parkway. Storm water best management practices, green infrastructure, natural areas restoration and management shall be incorporated where applicable. Asphaltic concrete mixes used for surface course and binder course may contain salvaged/reclaimed asphaltic material. Crushed gravel base course may include crushed stone, crushed gravel, crushed concrete, reclaimed asphaltic pavement, reprocessed material or blended material.

**2020 - 2023 Scope of Work:**

The scope of work includes the construction phase for the replacement of Root River Parkway, a segment in College Avenue from Parkway to S 92nd Street and for reconstruction of the Whitnall Park Beer Garden parking lot.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$153,142	\$0	\$0	\$0	\$153,142
2020	\$1,231,465	\$0	\$0	\$0	\$1,231,465
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$1,384,607</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,384,607</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$153,142	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$153,142</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$153,142	\$0	\$153,142
Construction & Implementation	\$0	\$0	\$1,231,465	\$1,231,465
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$153,142</b>	<b>\$1,231,465</b>	<b>\$1,384,607</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	2
Complete Final Plans & Specs	2019	4
Begin Implementation/Purchase Asset	2020	2
Substantially Completed	2020	3
Scheduled Sub-Project Closeout	2020	4

Useful Life (Yrs)  
20

**Requesting Department or Agency:**  
Parks, Recreation, & Culture

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
Yes

**Functional Group:**  
Parks, Recreation, & Culture

**Capital Category:**  
Traffic, Roadways, & Bridges (Non-Airport)

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WP544</b>	Sub-Project No. <b>WP54401</b>	Sub-Project Title <b>MCCARTY ELECTRICAL SERVICE REPLACEMENT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The electrical service at McCarty Park is antiquated and deficient. The park has two primary, high voltage services, one at the pool building and one at the baseball restroom building. This equipment is original to construction of the buildings. These services are similar to the former electrical service at the courthouse in that high voltage gear is challenging to maintain and unreliable. The service is beyond its useful life and replacement parts would be difficult to obtain to restore power in a timely manner. The high voltage service is rated critical and potentially critical, unreliable, and a safety hazard.

The 2018 Adopted Capital Improvement Budget included an appropriation of \$118,574 for the planning and design phase.

**2019 Scope of Work:**

The scope of work includes replacing high voltage feeders with the new WE-Energy services, upgrade the electrical system which includes electrical panels, switches, baseball field lightings, cables, etc. With respect to sustainability, new equipment will incorporate energy efficient and sustainable design as allowed by the building code for this installation.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$1,016,540	\$0	\$0	\$0	\$1,016,540
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$1,016,540</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,016,540</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$1,016,540	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$1,016,540</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$118,574	\$115,197	\$0	\$233,771
Construction & Implementation	\$0	\$901,343	\$0	\$901,343
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$118,574</b>	<b>\$1,016,540</b>	<b>\$0</b>	<b>\$1,135,114</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2018	2
Complete Final Plans & Specs	2018	3
Begin Implementation/Purchase Asset	2019	1
Substantially Completed	2019	3
Scheduled Sub-Project Closeout	2019	4

Useful Life (Yrs)  
20

**Requesting Department or Agency:**  
Parks, Recreation, & Culture

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
No

**Functional Group:**  
Parks, Recreation, & Culture

**Capital Category:**  
Facility Replacement

**SECTION 6**  
**MILWAUKEE PUBLIC MUSEUM**

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## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WM037</b>	Sub-Project No. <b>WM03701</b>	Sub-Project Title <b>MPM DOME PLANETARIUM ROOF REPLACEMENT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Milwaukee Public Museum's (MPM) Dome Planetarium consists of three sections: the theater dome structure section, the theater flat roof section and the lower two connecting atriums. There have been reports by the Milwaukee Public Museum (MPM) staff of several water stains down on the theater projector's screen. Also, there are roof leaks and visible water marks down the wall between discovery world and connecting atrium on the north and west sides. Additionally, visible water marks on the southwest corner of the connecting west atrium wall and along the skylight panels. Upon inspection of the roof condition, there are visible cracks, bulging and deterioration all over and at pitch pockets, and visible cracks at various locations of prior attempts to repair areas with deterioration. The roof membrane of the mentioned subjects is well beyond its useful life expectancy at the time of inspection.

**2019 Scope of Work:**

The scope of work includes replacing existing roofs of the planetarium and the connecting atriums. Removing the dome roof structure consists of removing the copper roof system, the 4" nail base insulation layer and the pressure treated 2x8 wood blockings exposing the precast planks. Removing the flat roof section consists of tearing the 4 ply built-up roof membrane and insulation exposing the precast planks. Removing the atrium roofs consists of tearing the 4 ply built-up roof membrane and insulation exposing the metal deck and bar joists. Roofing will be replaced with similar materials but different design detailing to allow for longer life. With respect to sustainability/energy efficiency, recycled content roofing materials and low VOC sealants and adhesives will be incorporated as appropriate.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$873,554	\$0	\$0	\$0	\$873,554
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$873,554</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$873,554</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$873,554	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$873,554</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$98,992	\$0	\$98,992
Construction & Implementation	\$0	\$774,562	\$0	\$774,562
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$873,554</b>	<b>\$0</b>	<b>\$873,554</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	2
Complete Final Plans & Specs	2019	3
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2020	1

Useful Life (Yrs)  
25

**Requesting Department or Agency:**  
Milwaukee Public Museum

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
Yes

**Functional Group:**  
Parks, Recreation, & Culture

**Capital Category:**  
Facility Rehab or Major Maint

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## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WZ118</b>	Sub-Project No. <b>WZ11801</b>	Sub-Project Title <b>HIPPOTAMUS EXHIBIT RENOVATION</b>
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**2019 Sub-Project Addresses the following item/issue:**

The existing hippopotamus exhibit does not allow modern zoological practices to be provided. Provisions in the existing facility force archaic operational practices to be used. This project will renovate the existing hippopotamus exhibit to include in order to improve animal care, welfare and well-being as well as enhance a visitor experience.

The renovations of the hippo exhibit will include: 1) 70,000-gallon filtered freshwater pool for above/below-water exhibition of hippopotamus and fish; 2) 3,000 sqft hippo beach area with public views; 3) Under-roof public space with an 80-foot long glass wall for viewing of the animals in the pool. The space will include hippo information and a hippo conservation/research display room; 4) Outdoor public plaza with a play area featuring life-size hippo models for climbing, introductory displays regarding hippos and their habitat and a behind the scenes view of some of the filter systems required for the hippo pool; 5) Recirculation filter system (in the pachyderm basement) allowing for pool water turnover two times per hour for pre-filtering, filtering and disinfection. The system will also service existing dump-and-fill indoor hippo exhibit pool.

**2019 Scope of Work:**

The scope of the project includes construction of a new 70,000 gallon pool for above and below water viewing, a new 3,000 square foot hippo beach area and an under-roof public space with an 80 foot long glass wall. The exhibit will include a new life support system (LSS) to filter/disinfect/sanitize and recirculate the pool water. This new life support system replaces the more costly "dump & fill" system currently used. Additionally, a new hippo-themed children's play area and a display room featuring hippo conservation and research will be constructed.

This phase of the project shall not proceed until the Zoological funding (including any private contributions) is committed and verified and all necessary agreements have been executed.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$13,435,936	\$0	\$0	\$0	\$13,435,936
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$13,435,936</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$13,435,936</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$4,329,357	Gifts & Cash Contr	\$9,106,579
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$13,435,936</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$778,125	\$0	\$778,125
Construction & Implementation	\$0	\$12,657,811	\$0	\$12,657,811
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$13,435,936</b>	<b>\$0</b>	<b>\$13,435,936</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	COMPLETED	0
Complete Final Plans & Specs	2018	4
Begin Implementation/Purchase Asset	2019	1
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2020	1

Useful Life (Yrs)

25

Requesting Department or Agency:

Zoological Department

Managing Department or Agency:

Dept of Admn Services - Facilities Management

Specialized Consultant(s) Retained:

Yes

Functional Group:

Parks, Recreation, & Culture

Capital Category:

Facility\_New Construction, Alteration, or Expansion

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**SECTION 8**  
**HEALTH AND HUMAN SERVICES**

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## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WS117</b>	Sub-Project No. <b>WS11701</b>	Sub-Project Title <b>WILSON PARK SENIOR CENTER CHILLER REPLACEMENT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Wilson Park Senior Center currently serves as a cooling site during extreme heat related weather conditions. Additionally, the facility serves as a congregate meal site and home delivered meals dispatch site. The existing water chiller exceeds its life expectancy and fails to function as designed. This results in issues in regards to maintaining building temperature, proper humidity level and ventilation. Periodic system failures result in high maintenance costs, energy costs and causes stress on all systems including the heating, cooling and alarm systems. These issues may be compounded should the system fail completely during the hot summer months. Chiller replacement is projected to provide greater energy efficiency, have minimal impact on the environment, and reduce operating and maintenance costs.

**2019 Scope of Work:**

The project scope includes installation of a new air cooled chiller along with new BAC net controls. Additionally, the existing chilled water pump will be replaced with two new pumps to upgrade to lead/lag pumping system. The existing piping and insulation will be examined for replacement. The entire piping system will be drained and re-filled with 35% glycol solution. The new chiller will include direct digital controls (DDC) controls and provide energy efficiency and reliability.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$288,066	\$0	\$0	\$0	\$288,066
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$288,066</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$288,066</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$288,066	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$288,066</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$32,648	\$0	\$32,648
Construction & Implementation	\$0	\$255,418	\$0	\$255,418
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$288,066</b>	<b>\$0</b>	<b>\$288,066</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2109	2
Substantially Completed	2019	3
Scheduled Sub-Project Closeout	2019	4

Useful Life (Yrs)

20

Requesting Department or Agency:

Dept on Aging

Managing Department or Agency:

Dept of Admn Services - Facilities Management

Specialized Consultant(s) Retained:

Yes

Functional Group:

Health & Human Services

Capital Category:

Other Capital

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WS120</b>	Sub-Project No. <b>WS12001</b>	Sub-Project Title <b>WASHINGTON SR CTR VENTILATOR, UNIT HEAT, CHILLER</b>
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**2019 Sub-Project Addresses the following item/issue:**

The existing unit ventilators and unit heaters have significantly exceeded their expected useful life, resulting in unreliable building temperatures. Several components unit components have failed or are not operating per design specifications. These units can be repaired with new components and the appropriate funding. The antiquated pneumatic controls for the unit ventilators and unit heaters have greatly exceeded their expected service life. The controls are difficult and costly to repair and should be replaced with direct digital controls (DDC) to provide an up-to-date system that will allow for visitor comfort, greater energy efficiency, and reduced maintenance costs.

The existing water chiller exceeds its life expectancy and fails to function as designed resulting in problems with building temperature, humidity level and ventilation. Periodic system failures result in high maintenance costs, energy costs and causes stress on all systems including the heating, cooling and alarm systems. Chiller replacement is projected to provide greater energy efficiency, have minimal impact on the environment, and reduce operating and maintenance costs.

**2019 Scope of Work:**

The scope of work includes replacement of the existing HVAC system with new roof top air handling units (RTUs). The existing common two pipe chilled and hot water system will only be used for hot water system along with hot water boilers for perimeter heating along with six rooftop RTUS with gas heating with DX cooling. Each RTU will have separate DDC control and RTUs serving more than one area will have VAV boxes with hot water reheat for each area.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$413,450	\$0	\$0	\$0	\$413,450
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$413,450</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$413,450</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$413,450	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$413,450</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$46,855	\$0	\$46,855
Construction & Implementation	\$0	\$366,595	\$0	\$366,595
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$413,450</b>	<b>\$0</b>	<b>\$413,450</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2019	4

Useful Life (Yrs)  
20

**Requesting Department or Agency:**

**Managing Department or Agency:**

**Specialized Consultant(s) Retained:**

**Functional Group:**

**Capital Category:**

**SECTION 9**  
**COURTHOUSE COMPLEX**

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## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WC191</b>	Sub-Project No. <b>WC19101</b>	Sub-Project Title <b>CH COMPLEX IMPROVEMENTS-CJF CAULKING PHASE 1</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Criminal Justice Facility (CJF) built in 1992 and has an exterior façade clad with cut limestone panels from the first floor through the third floor. Floors four through eleven are clad with matching architectural precast concrete panels. The existing sealant joints between panels are deteriorated and in need of replacement. Existing capital project WC06201 – CJF Building Roof Replacement, is ON HOLD pending the repair of the building envelope joints requested in this project (roof is currently past its useful life).

A November 2016 inspection of the CJF (by Klein & Hoffman) identified that "Joint sealants are aged and are in generally poor condition, with joint failure observed at isolated locations at all elevations and frequently at corners." The inspection report stated that "building sealant joints should be replaced 100%. Sealant joints are aged and in poor condition, allowing for water penetration into the wall and causing accelerated deterioration of wall components". In 2016, it was recommended to perform the work within 2 years. In addition, existing capital project WC06201 planning and design work indicates sealant repair work should be done prior to roof the commencement of roof construction.

**2019 Scope of Work:**

The phase one scope of work includes replacing all existing exterior sealant joints located between the architectural precast panels on the façade of the Criminal Justice Facility (CJF). On the CJF façade the architectural precast panels occur from the fourth floor (roof) to the eleventh floor (roof). Architectural precast panels also occur on the exterior walls of the CJF penthouse. The exterior joint replacement on the main CJF exterior walls would be accessed by swing stage scaffolding. The exterior joint replacement on the penthouse exterior walls would be accessed by standard scaffolding. Exterior joint replacement would include removal of existing joint material, prep joint, install new joint filler as needed, new backer rod (compression seal) and polyurthane sealant (tooled finish). All sealants used will be low VOC.

**2020 - 2023 Scope of Work:**

Upon completion of phase one work, existing capital project WC06201 – CJF Building Roof Replacement will commence (however, it is anticipated that the roof replacement project will require an additional appropriation as part of the 2020 Capital Improvement Budget process). Phase two of the caulking project completes the entire CJF exterior joint sealant replacement project. The anticipated scope of work includes replacement of all existing sealant joints on the exterior façade in the cut limestone panels CJF from grade up to the third floor cornice, using standard scaffolding. Phase two is included in the Five-Year Capital Improvement Plan under capital project WC21601.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$765,528	\$0	\$0	\$0	\$765,528
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$765,528</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$765,528</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$765,528	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$765,528</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$86,752	\$0	\$86,752
Construction & Implementation	\$0	\$678,776	\$0	\$678,776
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$765,528</b>	<b>\$0</b>	<b>\$765,528</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	3
Scheduled Sub-Project Closeout	2020	1

Useful Life (Yrs)  
25

**Requesting Department or Agency:**  
Dept of Admin Services - Fclty Mngmnt -Maint Section

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
Yes

**Functional Group:**  
General Government

**Capital Category:**  
Facility\_Rehab or Major Maint

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WC193</b>	Sub-Project No. <b>WC19301</b>	Sub-Project Title <b>COGGS BASEMENT CEILING &amp; PARKING LOT SLAB REPAIRS</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Coggs Center building includes a northern exterior parking and open deck area situated over its existing basement space. This deck area receives vehicle traffic and is subject to intermittent loads and flexing. Water infiltration from these areas has led to internal concrete roof spalling in the Coggs Center basement. This basement area houses electrical switchgear and transformers that service the building. Water leakage into this space places the building electrical service at risk, and long-term deteriorates the structural integrity of the decking. This system has been rebuilt several times over the past number of decades, and it is required again. It is recommended that a temporary shoring be engineered and permanent repairs and sealing be completed.

**2019 Scope of Work:**

The scope of work includes repairs to the bottom side of the structural slab over the Coggs Center basement, just below the parking lot area. The steel girders showing damage on the webs and connections will be blasted, inspected, repaired and coated. Additional work includes concrete repairs to several beams, and waterproofing replacement at locations of leaks. The gate posts to the truck dock will need to be re-set and waterproofed with asphalt replacement in spots. With respect to sustainability, new materials will incorporate energy efficient and sustainable design as allowed by the building code for this installation.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$513,212	\$0	\$0	\$0	\$513,212
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$513,212</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$513,212</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$513,212	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$513,212</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$58,161	\$0	\$58,161
Construction & Implementation	\$0	\$455,051	\$0	\$455,051
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$513,212</b>	<b>\$0</b>	<b>\$513,212</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	2
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2019	4

Useful Life (Yrs)  
20

**Requesting Department or Agency:**  
Dept of Admin Services - Fclty Mngmnt -Maint Section

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
Yes

**Functional Group:**  
General Government

**Capital Category:**  
Facility Rehab or Major Maint

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WC199</b>	Sub-Project No. <b>WC19901</b>	Sub-Project Title <b>CH COMPLEX FAÇADE INSPECT AND REPAIR - PHASE 2</b>
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**2019 Sub-Project Addresses the following item/issue:**

In 2016, Klein & Hoffman (K&H) performed a Courthouse façade inspection. The inspection provided an assessment of all necessary "make-safe" repairs and documentation of remaining outstanding/needed repairs. On November 30, 2016 a façade ordinance report was filed with the City of Milwaukee (on the Courthouse), as required by Ordinance Volume 2, Section 275-32-15. The façade assessment performed a close-up examination of 100% of the exterior wall construction at all elevations of the Courthouse (primarily) to identify unsafe/imminently hazardous conditions in the facade due to age/deterioration. The 2017 Adopted Capital Improvement Budget included an appropriation of \$500,000 (project WC14701) for permanent repairs (to temporary repairs) made during the 2016 inspection and provided additional repairs identified, but not remedied, as "make safe" repairs. Additional funding was anticipated to be requested in future years to complete repairs.

Initial work is in-progress for capital project WC14701, however, additional funding is required to address further Courthouse exterior facade repairs. A multi-year, phased repair plan is anticipated.

**2019 Scope of Work:**

The scope of work includes a range of façade repairs at the northern two-thirds of the east elevation: 1). Rebuilding of cracked brick and stone at the northeast and southeast corners of the seventh-eighth floors. Deteriorated masonry at these locations was stabilized with make-safe repairs during facade inspections in August - September of 2016. 2). Replacement of built-in copper gutters at the sixth and seventh-floor cornices. 3). Rebuilding of displaced stones, and replacement of cracked / spalled stones at the northeast and southeast corners of the main cornice. 4). Replacement of deteriorated stones which appear to have been damaged during a previous cleaning effort. 5). Repair or replacement of isolated cracked or otherwise deteriorated stones. 6). Replacement of sealant at upward facing joints 100%. 7). Replacement of window perimeter sealant 100%.

**2020 - 2023 Scope of Work:**

Anticipated 2020 – 2022 Façade Inspection and Repairs are reflected in capital project WC18401 of the Five-Year Capital Improvement Plan.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$1,290,154	\$0	\$0	\$0	\$1,290,154
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$1,290,154</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,290,154</b>

**2019 Budget Year Financing**

Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$1,290,154	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$1,290,154</b>		

**Capital Sub-Project Breakdown**

SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$146,201	\$0	\$146,201
Construction & Implementation	\$0	\$1,143,953	\$0	\$1,143,953
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$1,290,154</b>	<b>\$0</b>	<b>\$1,290,154</b>

**Initial Sub-Project Schedule**

	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2019	4

**Useful Life (Yrs)**

25

**Requesting Department or Agency:**

Dept of Admin Services - Fclty Mngmnt -Maint Section

**Managing Department or Agency:**

Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**

Yes

**Functional Group:**

General Government

**Capital Category:**

Facility\_Rehab or Major Maint

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WC213</b>	Sub-Project No. <b>WC21301</b>	Sub-Project Title <b>COURTHOUSE HVAC REPLACEMENT-PHASE 1</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Courthouse penthouse (8th floor) has four (4) centrifugal chillers each served with an individual cooling tower. The chillers provide a chilled water supply to each of the four (4) large air handling unit pumps within the penthouse. The chillers are in the 14th year of an expected service life of 23 years. Chillers 1 & 2 have over 28,000 run hours on an equivalent 25,000 run hour service life. Chillers 3 & 4, are nearing the end of their useful service life, but can be conditioned to extend their operation. Chillers 1 & 2 have been recommended for replacement. Each of the chillers is served by an individual cooling tower. The towers have lost or have failing interior coatings, resulting in rusting, scale build-up, and require multiple repair patches. Cooling towers 1, 2, 3 & 4 have been recommended for replacement.

As a result, the 2017 Adopted Capital Improvement Budget included an appropriation of \$250,000 for the planning and design to replace Courthouse Cooling Towers #1 through #4, Chillers #1 & #2 and the associated (4) condensate water pumps and (2) chilled water pumps.

**2019 Scope of Work:**

The scope of work includes replacement of existing cooling towers #1, #2, #3 & #4 along with four (4) condenser water pumps. Also provide interconnections in condenser water pipes on the roof between cooling towers #1 & #2 and cooling towers #3 & #4. With respect to sustainability, the design and specification for the new HVAC equipment will incorporate the latest Standards and Guidelines currently offered by ASHRAE that include the latest energy efficiency and sustainability provisions.

**2020 - 2023 Scope of Work:**

Related Courthouse HVAC projects are anticipated and included in the 5-Year Capital Improvement Plan (2019 - 2023) under capital project WC17101. Expected scope of work includes the replacement of existing chillers #1 & #2 along with two (2) chilled water pumps in 2020-21 and chillers #3 & #4 along with two (2) chilled water pumps in 2022-23.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$1,805,575	\$0	\$0	\$0	\$1,805,575
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$1,805,575</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,805,575</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$1,805,575	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$1,805,575</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$91,162	\$0	\$91,162
Construction & Implementation	\$0	\$1,714,413	\$0	\$1,714,413
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$1,805,575</b>	<b>\$0</b>	<b>\$1,805,575</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	Complete	0
Complete Final Plans & Specs	Complete	0
Begin Implementation/Purchase Asset	2019	1
Substantially Completed	2020	3
Scheduled Sub-Project Closeout	2020	4

Useful Life (Yrs)

20

**Requesting Department or Agency:**

Dept of Admin Services - Fclty Mngmnt -Maint Section

**Managing Department or Agency:**

Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**

Yes

**Functional Group:**

General Government

**Capital Category:**

Facility\_Rehab or Major Maint

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WC214</b>	Sub-Project No. <b>WC21401</b>	Sub-Project Title <b>FORENSIC SCIENCE CENTER-PHASE 1</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Medical Examiner's Office (ME) is inadequate and requires replacement. Concerns include current location, non-compliant facilities that do not meet industry standards, inadequate space for current (infection control, embalming, defleshing, storage of remains) and future (pathology, tissue storage, toxicology) programs. CDC (autopsy) requirements are not met and the ME risks loss of certification without a plan to address facility deficiencies. Space is required due to expanded operations, workload, biohazard safety concerns, and ADA requirements.

This request is for the five divisions of the Office of Emergency Management (OEM): EM, EMS, Radio, 911, Communications. The adjacencies with the Medical College of Wisconsin (MCW) include all five divisions, but prominently, the Emergency Medical Services (EMS) division for MCW's Emergency Medicine program and EMS Fellowship accreditation. The OEM-911 Dispatch Center and Radio Services division needs to be relocated to accommodate the planned demolition of the Safety Building and accommodate future needs. Space is required due to expanded operations, workload and ADA requirements. Proper training space and operational enhancements are needed to meet national APCO standards.

**2019 Scope of Work:**

The scope of work includes planning and design for tenant fit-out, as well as coordinated base building final design with Landlord. Preliminarily, the base building will be constructed by Medical College, and the interior improvements for ME and OEM offices will be built out by the County. Co-location with the Medical College of Wisconsin's Forensic Science Center is anticipated to reduce project cost and create synergies. Also included in their scope of work will be OEM planning and design for tenant fit-out at two alternate locations, 633 W. Wisconsin Ave and another lease site TBD. This assumes programming for OEM space needs will be completed by a separate study in 2018.

**2020 - 2023 Scope of Work:**

Anticipated construction and commission tenant fit-out, procure and install furniture-fixtures-equipment (FF&E), relocate operations, decommission existing facility scope of work is included in the Five-Year Capital Improvement Plan under capital project WC20901 (\$23,821,000).

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$940,262	\$0	\$0	\$0	\$940,262
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$940,262</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$940,262</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$940,262	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$940,262</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$940,262	\$0	\$940,262
Construction & Implementation	\$0	\$0	\$0	\$0
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$940,262</b>	<b>\$0</b>	<b>\$940,262</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	2018	4
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	3
Begin Implementation/Purchase Asset	2020	1
Substantially Completed	2020	4
Scheduled Sub-Project Closeout	2021	1

Useful Life (Yrs)  
NA

**Requesting Department or Agency:**  
Dept of Admin Services - Fclty Mngmnt -Maint Section

**Managing Department or Agency:**  
Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**  
Yes

**Functional Group:**  
General Government

**Capital Category:**  
Facility\_Replacement

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**SECTION 10**  
**HOUSE OF CORRECTIONS**

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**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

Project No. <b>WJ109</b>	Sub-Project No. <b>WJ10901</b>	Sub-Project Title <b>HOC NORTH BUILDING (G2) ROOF REPLACEMENT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The roof on the House of Corrections (HOC) North Building was built around 1949. There have been periodic repairs to maintain it, about 40% has had to be replaced over time since it was installed, and additional portions now need replacement. The life expectancy of the roof is approximately 25 - 35 years. Overall the roof is still in operating condition, but it does require frequent attention. For example the roof has many leaks that show up after the snow thaws in the spring.

**2019 Scope of Work:**

Pertaining to the HOC - North Building (590 dormitory), Section G2; The scope of work includes demolition and will include removal of existing built-up roofing and lightweight concrete insulation to expose the existing concrete roof structure surface. The new roofing will be a hot-applied built-up roofing system consisting of a coated glass fiber base sheet and 4 plies glass fiber felts (type IV), mopped with pea gravel surfacing. The built-up roof system is on 1/2-inch recovery board over 1/8-inch per foot tapered insulation, fully adhered. Removal of existing parapet copings and flashings will be done and replace with new.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$368,402	\$0	\$0	\$0	\$368,402
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$368,402</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$368,402</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$368,402	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$368,402</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$41,753	\$0	\$41,753
Construction & Implementation	\$0	\$326,649	\$0	\$326,649
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$368,402</b>	<b>\$0</b>	<b>\$368,402</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2019	4

Useful Life (Yrs)

25

Requesting Department or Agency:

House of Correction

Managing Department or Agency:

Dept of Admn Services - Facilities Management

Specialized Consultant(s) Retained:

No

Functional Group:

General Government

Capital Category:

Facility Rehab or Major Maint

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**OTHER AGENCIES**

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**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

Project No. <b>WO193</b>	Sub-Project No. <b>WO19301</b>	Sub-Project Title <b>ASSET PROTECTION-COMPUTER REPLACEMENT-PHASE 1</b>
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**2019 Sub-Project Addresses the following item/issue:**

The County currently has approximately 3,500 computers operating on Windows 7. Microsoft will no longer provide patches, fixes and security updates to Windows 7 after January 2020.

**2019 Scope of Work:**

The scope of work includes the purchase of PCs, laptops, and tablets as well as professional services related to the technical work of migrating to new hardware and project management.

Computer Replacement Reserves (Balance Sheet Account 0751) of \$570,000 will be used to partially finance this project.

**2020 - 2023 Scope of Work:**

The Five-Year Capital Improvement Plan anticipates additional computer replacements as reflected in capital project WO19201.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$1,633,076	\$0	\$0	\$0	\$1,633,076
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$1,633,076</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,633,076</b>

**2019 Budget Year Financing**

Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$1,063,076	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$570,000
<b>Total Budget Year Financing</b>		<b>\$1,633,076</b>	

**Capital Sub-Project Breakdown**

SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$931,859	\$0	\$931,859
Construction & Implementation	\$0	\$0	\$0	\$0
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$701,217	\$0	\$701,217
<b>TOTAL</b>	<b>\$0</b>	<b>\$1,633,076</b>	<b>\$0</b>	<b>\$1,633,076</b>

**Initial Sub-Project Schedule**

	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	2
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2019	4

**Useful Life (Yrs)**

5-7

**Requesting Department or Agency:**

Dept of Admin Services - IMSD

**Managing Department or Agency:**

Dept of Admn Services - Information Management Services

**Specialized Consultant(s) Retained:**

Yes

**Functional Group:**

General Government

**Capital Category:**

Technology & Electronic Equipment

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WO217</b>	Sub-Project No. <b>WO21701</b>	Sub-Project Title <b>PHONE AND VOICEMAIL REPLACEMENT</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Department of Administrative Service - Information Management Services Division (IMSD) staff has indicated that Milwaukee County (County) is at a critical point with it's aged/non-supported phone system (affecting the Courthouse, Children's Court, BHD, Coggs, House of Corrections, and Zoo). To mitigate the risk of catastrophic failure, the phone system must be replaced. Most phone systems are outdated and licenses for new subscriber lines can't be added. Without immediate replacement or substantial upgrade, IMSD will be unable to implement new collaboration technologies or support additional users. New phone system technology will enable cost savings associated with scaling, shifting service/locations, long distance charges, conference calling and basic phone service contract negotiation.

Previously approved appropriations replaced critical components and desk phones of the legacy phone system(s) throughout the County: including core systems, replacing all voicemail and Call Distribution/Contact Centers servers, 1/3 of Courthouse phones, all House of Corrections and Training Academy in addition to General Mitchell International Airport. It also included consulting and contract implementation support.

**2019 Scope of Work:**

The scope of work for includes Botanical Gardens, Parks Maintenance, Zoo, Fleet, Parks Administration, Facilities, Mitchell Park Domes, Housing, Criminal Justice Facility, and completion of Courthouse. This includes extensive cabling, equipment, and the completion of all implementation of the core servers and integration software to allow locations to be tied together. The scope of work also includes consulting and contract implementation support.

**2020 - 2023 Scope of Work:**

During 2020, the remainder of the cabling and contract implementation support will be completed. Phone and Voicemail systems at the Coggs and Children's Court sites will be deployed.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$1,765,000	\$0	\$0	\$0	\$1,765,000
2020	\$1,765,000	\$0	\$0	\$0	\$1,765,000
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$3,530,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,530,000</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$1,765,000	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$1,765,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$200,000	\$0	\$0	\$200,000
Construction & Implementation	\$0	\$1,765,000	\$1,765,000	\$3,530,000
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$1,306,323	\$0	\$0	\$1,306,323
<b>TOTAL</b>	<b>\$1,506,323</b>	<b>\$1,765,000</b>	<b>\$1,765,000</b>	<b>\$5,036,323</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2017	3
Complete Final Plans & Specs	2019	1
Begin Implementation/Purchase Asset	2017	3
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2020	4

**Useful Life (Yrs)**

5 - 10

**Requesting Department or Agency:**

Dept of Admin Services - IMSD

**Managing Department or Agency:**

Dept of Admn Services - Information Management Services

**Specialized Consultant(s) Retained:**

Yes

**Functional Group:**

General Government

**Capital Category:**

Technology & Electronic Equipment

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WO602</b>	Sub-Project No. <b>WO60201</b>	Sub-Project Title <b>ENTERPRISE PLATFORM MODERNIZATION</b>
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**2019 Sub-Project Addresses the following item/issue:**

Enterprise Resource Planning (ERP) is business management software consisting of integrated applications that consolidate common business operations. ERP is foundational software that is the backbone to Milwaukee County (County) and Milwaukee County Transit System (Transit) functions. Current County and Transit systems are based on technology that is more than 30 years old, requiring proprietary hardware with specialized expertise to maintain. Many hardware components of the both systems are no longer manufactured or supported by vendors. Annual software maintenance, support, and licensing costs necessary to sustain the legacy applications have been regularly increasing. In current state, the County has no visibility into Transit systems or data. The strategic direction of the County is to move out of legacy systems and utilize more cost effective, integrated and modern server and web-based platforms. This project will provide the framework for future open data initiatives. Bond eligible components may change upon completion of the planning phase, scope of work included in the contract with the selected vendor(s), and other work charged to the project. Department of Administrative Services and the Comptroller Office will assess any financing changes and produce an appropriation transfer(s) from the Debt Service Reserve if more cash financing is needed due to ineligible bond financed components.

**2019 Scope of Work:**

The scope of work includes financial and core human resource modules deployment and stabilization. Design, configuration, mapping, testing, integrations, and training will occur for the Payroll, Employee Space, Manager Space, Work Force Mgmt (T&A), Talent Acquisition (Recruitment), Competency Mgmt, Transition Mgmt, Learning Management, Compensation Mgmt, Absence Management (Time Off), Performance Mgmt, Goals Mgmt, Succession Mgmt, Health, Safety, and Risk modules. Testing of the final system deployment and application retirement is also included and is estimated to be performed in 2020.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$6,885,645	\$0	\$0	\$0	\$6,885,645
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$6,885,645</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,885,645</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$3,885,645	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$3,000,000	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$6,885,645</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$7,169,784	\$0	\$0	\$7,169,784
Construction & Implementation	\$5,781,106	\$6,885,645	\$0	\$12,666,751
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$1,894,341	\$0	\$0	\$1,894,341
<b>TOTAL</b>	<b>\$14,845,231</b>	<b>\$6,885,645</b>	<b>\$0</b>	<b>\$21,730,876</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	0	0
Complete Preliminary Plan (if applicable)	2017	3
Complete Final Plans & Specs	2017	4
Begin Implementation/Purchase Asset	2017	4
Substantially Completed	2020	3
Scheduled Sub-Project Closeout	2020	4

**Requesting Department or Agency:**

**Managing Department or Agency:**

**Specialized Consultant(s) Retained:**

**Functional Group:**

**Capital Category:**

**Useful Life (Yrs)**

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## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WO323</b>	Sub-Project No. <b>WO32301</b>	Sub-Project Title <b>FLEET GENERAL EQUIPMENT-2019</b>
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**2019 Sub-Project Addresses the following item/issue:**

General vehicle and equipment replacement. Debt for equipment acquisitions will be included in the County's short-term debt issues for vehicles and attachments. The actual costs, including interest paid, will be charged to user departments which is a continuation of the County's practice adopted as part of the 2010 Budget. User departments are required to turn in a comparable piece of equipment, as identified by the Director of Fleet Management, for each unit that is replaced. User departments will not be allowed to keep vehicles and equipment that exceed their established allotment. This project is primarily for Highway, District Attorney, Behavioral Health, Facilities Management, Medical Examiner, and Zoo.

**2019 Scope of Work:**

This is an ongoing project to replace vehicles and equipment at the end of their useful life. A detailed list of equipment to be replaced is included on the following page.

**2020 - 2023 Scope of Work:**

This is an ongoing project to replace equipment at the end of its useful life. The 5-Year Capital Improvement Plan includes general vehicles and equipment as part of capital project WO31501 for years 2020 through 2023.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$3,702,000	\$0	\$0	\$0	\$3,702,000
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$3,702,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,702,000</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$3,702,000	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$3,702,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$0	\$0	\$0
Construction & Implementation	\$0	\$0	\$0	\$0
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$3,702,000	\$0	\$3,702,000
<b>TOTAL</b>	<b>\$0</b>	<b>\$3,702,000</b>	<b>\$0</b>	<b>\$3,702,000</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	NA	0
Complete Final Plans & Specs	NA	0
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2019	4

Useful Life (Yrs)  
4/7/12

**Requesting Department or Agency:**  
Dept of Transportation - Fleet Management

**Managing Department or Agency:**  
Same as Requesting Dept/Agency

**Specialized Consultant(s) Retained:**  
No

**Functional Group:**  
Transportation and Public Works

**Capital Category:**  
Vehicles & Equipment

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

DETAIL LIST-GENERAL EQUIPMENT				HIGH = Critical Piece			
				Med = Important Piece			
				Low = Standard Replacement Piece			
EQUIP NUMBER	DEPR LIFE	PRIORITY CODE	DEPT CODE	ORGANIZATION DESCRIPTION	EQUIP YEAR	EQUIPMENT DESCRIPTION	TOTAL BUDGET
<b>HIGHWAY</b>							
105049	12	High	5150	Highway - Special Maintenance	1990	Pickup Truck with Dump Body	\$ 70,000
118009	12	High	5110	Highway - Patrol Section 1	2004	Patrol Truck - Tandem Axle	\$ 275,000
118600	12	High	5110	Highway - Patrol Section 1	2006	Patrol Truck - Tandem Axle	\$ 275,000
118601	12	High	5110	Highway - Patrol Section 1	2006	Patrol Truck - Tandem Axle	\$ 275,000
208104	12	High	5160	Highway - Patrol Section 3	2003	Wheel Loader	\$ 250,000
204056	12	High	5120	Highway - Patrol Section 2	1995	Tractor w/ Flail Mowers	\$ 110,000
205206	12	High	5110	Highway - Patrol Section 1	2002	Tractor w/ Flail Mowers	\$ 110,000
205207	12	High	5160	Highway - Patrol Section 3	2002	Tractor w/ Flail Mowers	\$ 110,000
205208	12	High	5140	Highway - Patrol Section 4	2002	Tractor w/ Flail Mowers	\$ 110,000
205209	12	High	5160	Highway - Patrol Section 3	2002	Tractor w/ Flail Mowers	\$ 110,000
205255	12	High	5110	Highway - Patrol Section 1	2001	Tractor w/ Flail Mowers	\$ 110,000
205256	12	High	5120	Highway - Patrol Section 2	2001	Tractor w/ Flail Mowers	\$ 110,000
205257	12	High	5140	Highway - Patrol Section 4	2001	Tractor w/ Flail Mowers	\$ 110,000
205258	12	High	5160	Highway - Patrol Section 3	2001	Tractor w/ Flail Mowers	\$ 110,000
433003	12	High	5140	Highway - Patrol Section 4	2009	Sweeper, Dustless	\$ 350,000
433002	12	High	5160	Highway - Patrol Section 3	2009	Sweeper, Dustless	\$ 350,000
433005	12	High	5120	Highway - Patrol Section 2	2009	Sweeper, Dustless	\$ 350,000
421009	12	High	5160	Highway - Patrol Section 3	2004	Epoke Slip-in Spreader	\$ 120,000
						<b>Sub-Total: \$</b>	<b>3,305,000</b>

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

DETAIL LIST-GENERAL EQUIPMENT					HIGH = Critical Piece		
					Med = Important Piece		
					Low = Standard Replacement Piece		
EQUIP NUMBER	DEPR LIFE	PRIORITY CODE	DEPT CODE	ORGANIZATION DESCRIPTION	EQUIP YEAR	EQUIPMENT DESCRIPTION	TOTAL BUDGET
<b>DISTRICT ATTORNEY</b>							
153066	7	High	4501	District Attorney	2011	SUV	\$ 40,000
							<b>Sub-Total: \$ 40,000</b>
<b>BEHAVIORAL HEALTH</b>							
165930	7	High	6312	BHD - Central Admin	2007	Sedan	\$ 25,000
							<b>Sub-Total: \$ 25,000</b>
<b>FACILITIES</b>							
40503	12	High	5702	Facilities Maintenance	2005	Mower/Snow Blower	\$ 55,000
40504	12	High	5702	Facilities Maintenance	2005	Power Broom	\$ 10,000
152005	7	High	5702	Facilities Maintenance	2001	Cargo Van	\$ 32,000
152006	7	High	5702	Facilities Maintenance	2001	Cargo Van	\$ 32,000
102453	7	High	5702	Facilities Maintenance	2003	Extended Cab Pickup 4x4 w/ Plow	\$ 39,000
							<b>Sub-Total: \$ 168,000</b>
<b>ZOO</b>							
812-015	12	High	9523	Zoo	1997	Forklift	\$ 50,000
41114	12	High	9523	Zoo	2000	Utility vehicle	\$ 26,000
41116	12	High	9523	Zoo	2000	Utility vehicle	\$ 26,000
165940	7	High	9523	Zoo	2006	Cargo Van	\$ 31,000
165941	7	High	9523	Zoo	2006	Cargo Van	\$ 31,000
							<b>Sub-Total: \$ 164,000</b>
							<b>TOTAL: \$ 3,702,000</b>

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**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

Project No. <b>WO324</b>	Sub-Project No. <b>WO32401</b>	Sub-Project Title <b>SHERIFF FLEET EQUIPMENT-2019</b>
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**2019 Sub-Project Addresses the following item/issue:**

Vehicles and equipment replacement for the Office of the Sheriff. Debt for equipment acquisitions will be included in the County's short-term debt issues for vehicles and attachments. The actual costs, including interest paid, will be charged to user departments which is a continuation of the County's practice adopted as part of the 2010 Budget. User departments are required to turn in a comparable piece of equipment, as identified by the Director of Fleet Management, for each unit that is replaced. User departments will not be allowed to keep vehicles and equipment that exceed their established allotment. This project is for the Office of the Sheriff.

**2019 Scope of Work:**

This is an ongoing project to replace vehicles and equipment at the end of their useful life. A detailed list of equipment to be replaced is included on the following page.

**2020 - 2023 Scope of Work:**

This is an ongoing project to replace equipment at the end of its useful life. The 5-Year Capital Improvement Plan includes general vehicles and equipment as part of capital project WO31601 for years 2020 through 2023.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$1,042,271	\$0	\$0	\$0	\$1,042,271
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$1,042,271</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,042,271</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$1,042,271	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$1,042,271</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$0	\$0	\$0
Construction & Implementation	\$0	\$0	\$0	\$0
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$1,042,271	\$0	\$1,042,271
<b>TOTAL</b>	<b>\$0</b>	<b>\$1,042,271</b>	<b>\$0</b>	<b>\$1,042,271</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	NA	0
Complete Final Plans & Specs	NA	0
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2019	4

<b>Useful Life (Yrs)</b>
4/7/12

**Requesting Department or Agency:**  
Dept of Transportation - Fleet Management

**Managing Department or Agency:**  
Same as Requesting Dept/Agency

**Specialized Consultant(s) Retained:**  
No

**Functional Group:**  
Transportation and Public Works

**Capital Category:**  
Vehicles & Equipment

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

DETAIL LIST-SHERIFF EQUIPMENT							HIGH = Critical Piece	
							Med = Important Piece	
							Low = Standard Replacement Piece	
EQUIP NUMBER	DEPR LIFE	PRIORITY CODE	DEPT CODE	ORGANIZATION DESCRIPTION	EQUIP YEAR	EQUIPMENT DESCRIPTION	TOTAL BUDGET	
<b>SHERIFF</b>								
150350	4	HIGH	4021	Sheriff - Patrol	2009	Sedan - Police Package	\$ 38,500	
150351	4	HIGH	4021	Sheriff - Patrol	2009	Sedan - Police Package	\$ 38,500	
150355	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150367	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150369	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150374	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150375	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150380	4	HIGH	4021	Sheriff - Patrol	2010	SUV - Pursuit Package	\$ 50,000	
150407	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150415	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150420	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150426	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150428	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150433	4	HIGH	4021	Sheriff - Patrol	2013	SUV - Pursuit Package	\$ 50,000	
150436	4	HIGH	4021	Sheriff - Patrol	2013	SUV - Pursuit Package	\$ 50,000	
150437	4	HIGH	4021	Sheriff - Patrol	2013	SUV - Pursuit Package	\$ 50,000	
150438	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150439	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150440	4	HIGH	4021	Sheriff - Patrol	2010	Sedan - Police Package	\$ 38,500	
150443	4	HIGH	4021	Sheriff - Patrol	2013	SUV - Pursuit Package	\$ 50,000	
150445	4	HIGH	4021	Sheriff - Patrol	2013	SUV - Pursuit Package	\$ 50,000	



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**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

Project No. <b>WO325</b>	Sub-Project No. <b>WO32501</b>	Sub-Project Title <b>HOUSE OF CORRECTION FLEET EQUIPMENT-2019</b>
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**2019 Sub-Project Addresses the following item/issue:**

Vehicles and equipment replacement for the House of Correction (HOC). Debt for equipment acquisitions will be included in the County's short-term debt issues for vehicles and attachments. The actual costs, including interest paid, will be charged to user departments which is a continuation of the County's practice adopted as part of the 2010 Budget. User departments are required to turn in a comparable piece of equipment, as identified by the Director of Fleet Management, for each unit that is replaced. User departments will not be allowed to keep vehicles and equipment that exceed their established allotment. This project is for The House of Correction.

**2019 Scope of Work:**

This is an ongoing project to replace vehicles and equipment at the end of their useful life. A detailed list of equipment to be replaced is included on the following page.

**2020 - 2023 Scope of Work:**

This is an ongoing project to replace equipment at the end of its useful life. The 5-Year Capital Improvement Plan includes general vehicles and equipment as part of capital project WO31701 for years 2020 through 2023.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$150,000	\$0	\$0	\$0	\$150,000
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$150,000</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$150,000	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>		<b>\$150,000</b>	

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$0	\$0	\$0
Construction & Implementation	\$0	\$0	\$0	\$0
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$150,000	\$0	\$150,000
<b>TOTAL</b>	<b>\$0</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$150,000</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	NA	0
Complete Final Plans & Specs	NA	0
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2019	4

**Useful Life (Yrs)**

4/7/12
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**Requesting Department or Agency:**

Dept of Transportation - Fleet Management

**Managing Department or Agency:**

Same as Requesting Dept/Agency

**Specialized Consultant(s) Retained:**

No

**Functional Group:**

Transportation and Public Works

**Capital Category:**

Vehicles & Equipment

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

DETAIL LIST-HOUSE OF CORRECTION				HIGH = Critical Piece		Med = Important Piece		Low = Standard Replacement Piece	
EQUIP NUMBER	DEPR LIFE	PRIORITY CODE	DEPT CODE	ORGANIZATION DESCRIPTION	EQUIP YEAR	EQUIPMENT DESCRIPTION	TOTAL BUDGET		
<b>HOUSE OF CORRECTION</b>									
152467	7	High	4311	House of Corrections	2015	Prisoner Transport	\$ 50,000		
153074	7	High	4311	House of Corrections	2007	SUV	\$ 40,000		
165584	7	High	4311	House of Corrections	1997	Cube Van	\$ 60,000		
							<b>TOTAL:</b>	<b>\$ 150,000</b>	

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WO326</b>	Sub-Project No. <b>WO32601</b>	Sub-Project Title <b>FLEET PARKS EQUIPMENT-2019</b>
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**2019 Sub-Project Addresses the following item/issue:**

Vehicle and equipment replacement for the Department of Parks, Recreation, and Culture (Parks). Debt for equipment acquisitions will be included in the County's short-term debt issues for vehicles and attachments. The actual costs, including interest paid, will be charged to user departments, which is a continuation of the County's practice adopted as part of the 2010 Budget. User departments are required to turn in a comparable piece of equipment, as identified by the Director of Fleet Management, for each unit that is replaced. User departments will not be allowed to keep vehicles and equipment that exceed their established allotment. This project is for Parks Equipment.

**2019 Scope of Work:**

This is an ongoing project to replace vehicles and equipment at the end of their useful life. A detailed list of equipment to be replaced is included on the following page.

**2020 - 2023 Scope of Work:**

This is an ongoing project to replace equipment at the end of its useful life. The 5-Year Capital Improvement Plan includes general vehicles and equipment as part of capital project WO31801 for years 2020 through 2023.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$2,190,000	\$0	\$0	\$0	\$2,190,000
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$2,190,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,190,000</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$2,190,000	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$2,190,000</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s) Approp.	2019 Approp.	2020 - 2023 Approp.	Total Approp.
Basic Planning & Design	\$0	\$0	\$0	\$0
Construction & Implementation	\$0	\$0	\$0	\$0
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$2,190,000	\$0	\$2,190,000
<b>TOTAL</b>	<b>\$0</b>	<b>\$2,190,000</b>	<b>\$0</b>	<b>\$2,190,000</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	NA	0
Complete Final Plans & Specs	NA	0
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2019	4

Useful Life (Yrs)

4/7/12
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Requesting Department or Agency:

Dept of Transportation - Fleet Management
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Managing Department or Agency:

Same as Requesting Dept/Agency
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Specialized Consultant(s) Retained:

No
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Functional Group:

Transportation and Public Works
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Capital Category:

Vehicles & Equipment
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**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

DETAIL LIST-PARKS EQUIPMENT							HIGH = Critical Piece
							Med = Important Piece
							Low = Standard Replacement Piece
EQUIP NUMBER	DEPR LIFE	PRIORITY CODE	DEPT CODE	ORGANIZATION DESCRIPTION	EQUIP YEAR	EQUIPMENT DESCRIPTION	TOTAL BUDGET
<b>PARKS GENERAL EQUIPMENT</b>							
102471	7	High	9176	Parks - Horticultural Operations	2005	Pickup Truck 4x4	\$ 35,000
114679	7	High	9050	Parks - Security	2010	Sedan	\$ 27,000
114675	7	High	9420	Parks - Forestry	2010	Sedan	\$ 27,000
114674	7	High	9136	Parks - Central Region	2010	Sedan	\$ 27,000
105351	12	High	9420	Parks - Forestry	2005	Swap Loader Truck	\$ 120,000
105352	12	High	9420	Parks - Forestry	2005	Swap Loader Truck	\$ 120,000
207003	12	High	9136	Parks - Central Region	2000	16' Mower (tractor.. progressive in yard)	\$ 50,000
204143	12	High	9155	Parks - South Region	1988	Tractor with flail mowers	\$ 109,500
204246	12	High	9036	Parks - Golf Operations	1997	Utility Tractor	\$ 50,000
204251	12	High	9136	Parks - Central Region	2000	Skid Steer Loader	\$ 50,000
493019	12	High	9420	Parks - Forestry	1995	Drop Deck Equipment Trailer	\$ 20,000
493020	12	High	9420	Parks - Forestry	1995	Drop Deck Equipment Trailer	\$ 20,000
493027	12	High	9420	Parks - Forestry	2003	Tilt Deck Equipment Trailer	\$ 25,000
<b>PARKS FIVE DIGIT EQUIPMENT</b>							<b>Sub-Total: \$ 680,500</b>
38223	12	High	9136	Parks- Central Region	1999	Ice Resurfacer	\$ 140,000
40600	12	High	9136	Parks- Central Region	2007	11' Rotary Mower	\$ 65,000
40712	12	High	9036	Parks - Golf Operations	2007	11' Rotary Mower	\$ 65,000
40713	12	High	9125	Parks - North Region	2007	11' Rotary Mower	\$ 65,000
40714	12	High	9155	Parks - South Region	2007	11' Rotary Mower	\$ 65,000

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

<b>DETAIL LIST-PARKS EQUIPMENT</b>				<b>HIGH = Critical Piece</b>			
				<b>Med = Important Piece</b>			
				<b>Low = Standard Replacement Piece</b>			
<b>EQUIP NUMBER</b>	<b>DEPR LIFE</b>	<b>PRIORITY CODE</b>	<b>DEPT CODE</b>	<b>ORGANIZATION DESCRIPTION</b>	<b>EQUIP YEAR</b>	<b>EQUIPMENT DESCRIPTION</b>	<b>TOTAL BUDGET</b>
49172	12	High	9036	Parks - Golf Operations	1997	Deck Over Flatbed Trailer	\$ 6,500
49201	12	High	9036	Parks - Golf Operations	2002	Deck Over Flatbed Trailer	\$ 6,500
4923	12	High	9036	Parks - Golf Operations	1997	Deck Over Flatbed Trailer	\$ 6,500
40207	12	High	9036	Parks - Golf Operations	2002	Deck Over Flatbed Trailer	\$ 6,500
49211	12	High	9036	Parks - Golf Operations	2002	Deck Over Flatbed Trailer	\$ 6,500
49171	12	High	9155	Parks - South Region	1997	Drop Deck Flatbed Trailer	\$ 6,500
49170	12	High	9136	Parks - Central Region	1997	Drop Deck Flatbed Trailer	\$ 6,500
49165	12	High	9136	Parks - Central Region	1997	Drop Deck Flatbed Trailer	\$ 6,500
49173	12	High	9136	Parks - Central Region	1997	Drop Deck Flatbed Trailer	\$ 6,500
20300	12	High	9036	Parks - Golf Operations	2003	Greens Mower	\$ 45,000
20301	12	High	9036	Parks - Golf Operations	2003	Greens Mower	\$ 45,000
20400	12	High	9036	Parks - Golf Operations	2004	Greens Mower	\$ 45,000
20401	12	High	9036	Parks - Golf Operations	2004	Greens Mower	\$ 45,000
20402	12	High	9036	Parks - Golf Operations	2004	Greens Mower	\$ 45,000
20403	12	High	9036	Parks - Golf Operations	2004	Greens Mower	\$ 45,000
20404	12	High	9036	Parks - Golf Operations	2004	Greens Mower	\$ 45,000
20405	12	High	9036	Parks - Golf Operations	2004	Greens Mower	\$ 45,000
37400	12	High	9036	Parks - Golf Operations	2004	Towable Debris Blower	\$ 7,000
37401	12	High	9036	Parks - Golf Operations	2004	Towable Debris Blower	\$ 7,000
37402	12	High	9036	Parks - Golf Operations	2004	Towable Debris Blower	\$ 7,000
37403	12	High	9036	Parks - Golf Operations	2004	Towable Debris Blower	\$ 7,000
39401	12	High	9036	Parks - Golf Operations	2004	Material Spreader	\$ 14,000
39402	12	High	9036	Parks - Golf Operations	2004	Material Spreader	\$ 14,000
49014	12	High	9420	Parks - Forestry	2001	Tilt Deck Trailer	\$ 25,000

**2019 CAPITAL IMPROVEMENT BUDGET  
MILWAUKEE COUNTY**

DETAIL LIST-PARKS EQUIPMENT										HIGH = Critical Piece
										Med = Important Piece
										Low = Standard Replacement Piece
EQUIP NUMBER	DEPR LIFE	PRIORITY CODE	DEPT CODE	ORGANIZATION DESCRIPTION	EQUIP YEAR	EQUIPMENT DESCRIPTION	TOTAL BUDGET			
49015	12	High	9420	Parks - Forestry	2001	Tilt Deck Trailer	\$ 25,000			
40255	12	High	9136	Parks - Central Region	2008	11' Rotary Mower	\$ 65,000			
40256	12	High	9155	Parks - South Region	2008	11' Rotary Mower	\$ 65,000			
40257	12	High	9125	Parks - North Region	2008	11' Rotary Mower	\$ 65,000			
40258	12	High	9036	Parks - Golf Operations	2008	11' Rotary Mower	\$ 65,000			
40259	12	High	9125	Parks - North Region	2008	11' Rotary Mower	\$ 65,000			
40260	12	High	9155	Parks - South Region	2008	11' Rotary Mower	\$ 65,000			
40262	12	High	9125	Parks - North Region	2008	11' Rotary Mower	\$ 65,000			
40263	12	High	9136	Parks - Central Region	2008	11' Rotary Mower	\$ 65,000			
40264	12	High	9036	Parks - Golf Operations	2008	11' Rotary Mower	\$ 65,000			
						<b>Sub-Total:</b>	<b>\$ 1,509,500</b>			
						<b>TOTAL:</b>	<b>\$ 2,190,000</b>			

## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WO303</b>	Sub-Project No. <b>WO30301</b>	Sub-Project Title <b>PUBLIC SAFETY DATA INTEROPERABILITY</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Office of Emergency Management initiated a CAD-to-CAD interface project in 2018 to provide a data interoperability solution linking computer aided dispatch (CAD) systems located in Milwaukee County (County). The CAD-to-CAD interface will provide dispatchers in each of the public safety answering points (PSAPs) the ability to identify the closest fire resource available to an incident and request the resource be dispatched in concert with the agency's automatic and mutual aid agreements; thereby reducing response time to fire and emergency medical incidents. This solution provides situational awareness to Fire and Police agencies.

This project represents a committed obligation in the Emergency Medical Services (EMS) contract with nine local fire departments for 2017-2020. This has been approved by the Intergovernmental Cooperation Council (ICC) and adopted by the County Board (File No 16-680) and re-diverts tax levy that previously went towards payments to communities for EMS. The overall project includes technology that integrates public safety data for intelligent analytics and is anticipated to create significant efficiencies County first responders in resource delivery.

**2019 Scope of Work:**

The scope of work includes the continued development and implementation of the technology integrator or intelligent hub-model that creates the data feed between 9-1-1 Computer Aided Dispatch (CAD) systems.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$192,600	\$0	\$0	\$0	\$192,600
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$192,600</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$192,600</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$67,600	PFC Revenue	\$0
Property Tax	\$125,000	Revenue Bonds	\$0
G.O. Bonds & Notes	\$0	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$192,600</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$275,000	\$0	\$0	\$275,000
Construction & Implementation	\$762,650	\$192,600	\$0	\$955,250
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$1,037,650</b>	<b>\$192,600</b>	<b>\$0</b>	<b>\$1,230,250</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	2019	1
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	2
Substantially Completed	2019	3
Scheduled Sub-Project Closeout	2019	3

**Requesting Department or Agency:**  
Office of Emergency Management

**Managing Department or Agency:**  
Dept of Admn Services - Information Management Services

**Specialized Consultant(s) Retained:**  
Yes

**Functional Group:**  
General Government

**Capital Category:**  
Technology & Electronic Equipment

**Useful Life (Yrs)**  
7

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## 2019 CAPITAL IMPROVEMENT BUDGET MILWAUKEE COUNTY

Project No. <b>WO532</b>	Sub-Project No. <b>WO53201</b>	Sub-Project Title <b>MARCUS CENTER UIHLEIN #4 ELEVATOR MODERNIZATION</b>
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**2019 Sub-Project Addresses the following item/issue:**

The Marcus Center's Uihlein Hall #4 elevator is 22 years old and was installed in the facility in 1996 for ADA necessities. This is phase six of six in the modernization of elevators in the center and is also included in the annual County Capital Support agreement with the Marcus Center (Adopted County Board resolution #16-214).

**2019 Scope of Work:**

The scope of work includes replacement of motor control systems and hydraulic pumps as well as ADA and safety updates. The hydraulic cylinder will be investigated. If cylinder is leaking oil, it will be replaced pursuant to State law.

**2020 - 2023 Scope of Work:**

None.

*Any surplus appropriations available upon completion of an approved project must be lapsed at year-end. Surplus appropriation shall not be used to expand an approved project scope without the approval of the County Board of Supervisors and the County Executive. Adjustments to reduce the project scope shall be made, as necessary, in order to not exceed authorized budget appropriation(s).*

**Capital Sub-Project Cost and Reimbursement Revenue By Year (2019 - 2023)**

BUDGET YEAR	CAPITAL APPROPRIATION	CAPITAL REIMBURSEMENT REVENUE			NET COUNTY COMMITMENT
		FEDERAL	STATE	LOCAL/OTHER	
2019	\$983,506	\$0	\$0	\$0	\$983,506
2020	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$983,506</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$983,506</b>

2019 Budget Year Financing			
Federal, State & Local Aid	\$0	Investment Earnings	\$0
Sales & Use Tax	\$0	PFC Revenue	\$0
Property Tax	\$0	Revenue Bonds	\$0
G.O. Bonds & Notes	\$983,506	Gifts & Cash Contr	\$0
Airport Reserve	\$0	Other Revenue	\$0
<b>Total Budget Year Financing</b>	<b>\$983,506</b>		

Capital Sub-Project Breakdown				
SUB-PROJECT BY PHASE	Prior Yr(s)	2019	2020 - 2023	Total
	Approp.	Approp.	Approp.	Approp.
Basic Planning & Design	\$0	\$111,453	\$0	\$111,453
Construction & Implementation	\$0	\$872,053	\$0	\$872,053
Right-of-Way Acquisition	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$0</b>	<b>\$983,506</b>	<b>\$0</b>	<b>\$983,506</b>

Initial Sub-Project Schedule	Year	Qtr
Complete Site Acquisition (if applicable)	NA	0
Complete Preliminary Plan (if applicable)	2019	1
Complete Final Plans & Specs	2019	2
Begin Implementation/Purchase Asset	2019	3
Substantially Completed	2019	4
Scheduled Sub-Project Closeout	2020	1

Useful Life (Yrs)

15

**Requesting Department or Agency:**

Marcus Center for the Performing Arts

**Managing Department or Agency:**

Dept of Admn Services - Facilities Management

**Specialized Consultant(s) Retained:**

No

**Functional Group:**

Parks, Recreation, & Culture

**Capital Category:**

Facility\_Rehab or Major Maint

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**CAPITAL IMPROVEMENT PROGRAM  
2019 - 2023**

**DOT-AIRPORT ONLY**

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**CAPITAL IMPROVEMENT PROGRAM  
2019 - 2023**

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5-Year Capital Improvement Plan by County/Non-County Funding (All Departments-Excluding DOT-Airport) (a)

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
DAS-FM-FM	WG17901	CH Complex Safety System(s) Study			100,000			100,000									
DAS-FM-FM	WG17501	CH Complex Electr Infrstrc Upgrade-Plng Plchld			113,400			113,400									
DAS-FM-FM	WG05201	Jury Management PA and AV			469,000			469,000									
DAS-FM-FM	WG17201	CH Complex Courts Cameras/Monitors-Pin Plchld			400,000			400,000									
DAS-FM-FM	WG01801	Safety Bldg - Clerk of Court, Rm. 419 Renovation															
DAS-FM-FM	WG18501	Safety Building Window Replacement-Plan Plchld															
DAS-FM-FM	WG05601	S8 Room 223 Storage Room Shelving			250,000			250,000									
DAS-FM-FM	WG20301	CJF Re-Commissioning Planning			100,000			100,000									
DAS-FM-FM	WG28601	Facilities Space Managements Software			718,685			718,685									
DAS-FM-FM	WG21601	CH Complex Improvements-CJF Caulking Phase 2			1,765,000			1,765,000									
DAS-IMSD	WG19201	Asset Protection-Computer Replacement-Pin Plchdr			1,765,000			1,765,000									
DAS-IMSD	WG021701	Phone and Voicemail Replacement			6,885,645			6,885,645									
DAS-IMSD	WG060201	Enterprise Platform Modernization															
DAS-IMSD	WG19601	Wireless Infrastctr Cnty Bldgs-Plan Plceholder			250,000			250,000									
DAS-IMSD	WG191701	Wireless Infrastctr Cnty Bldgs-Phase 1															
DAS-IMSD	WG017601	Mainframe Retirement			750,000			750,000									
DAS-IMSD	WG031901	Data Center Remediation															
DAS-IMSD	WG032101	Enterprise Video Surveillance Program			430,000			430,000									
DAS-IMSD	WG19301	Asset Protection-Computer Replacement-Phase 1			1,479,500			1,479,500									
DAS-IMSD	WG029801	Asset Protection-Security Subscriptions-Pin Phld			372,000			372,000									
DAS-IMSD	WG030001	Asset Protection-Remediation Services-Phase 1			275,000			275,000									
DAS-IMSD	WG030001	Asset Protection-Remediation Services-Pin Phdr			248,426			248,426									
DAS-IMSD	WG033801	IMSD Operational Enhancements			262,290			262,290									
DAS-IMSD	WG033101	Intranet Upgrades 2 & 3			500,000			500,000									
DAS-OPD	WG18801	Countywide ADA Repairs-Planning Plceholder			569,378			569,378									
DAS-OPD	WG18901	Countywide ADA Repairs-2019			238,698			238,698									
DAS-OPD	WG022701	WOW-Grant Rec Ctr Siding & Window Replacement			130,000			130,000									
DHHS	WS10201	Control Center Panel Replacement			110,000			110,000									
DHHS	WG03601	DHHS Document Scanning			1,447,418			1,447,418									
DHHS-BHD	WE04101	BHD Air Handling System			441,577			441,577									
DHHS-BHD	WE04201	BHD Window Replacement			269,499			269,499									
DHHS-BHD	WE05501	BHD Bathroom Blug setting Repair & Replacement			129,043			129,043									
DHHS-BHD	WE05801	BHD-ACT System Renewal			1,647,625			1,647,625									
DHHS-BHD	WE06601	BHD-Door Assembly Replacement			3,000,000			3,000,000									
DHHS-BHD	WE060101	BHD-Door Replacement			585,000			585,000									
DHHS-BHD	WE06301	BHD-Fire Damper Replacement			902,714			902,714									
DHHS-BHD	WE03701	MHC-Repave Parking Lots X-32 A, B, & C			279,829			279,829									
DHHS-BHD	WE04001	BHD Roof Repair			368,402			368,402									
DHHS-BHD	WE06501	Mental Health Complex New Generator			460,000			460,000									
DHHS-BHD	WE06601	BHD Air Handling System Planning Plchdr															
DHHS-BHD	WE08001	HOC Video Visitation System															
HOC	WJ08301	HOC Security System Replacement			503,537			503,537									
HOC	WJ08401	HOC Steel and Glass Greenhouse			800,000			800,000									
HOC	WJ10201	HOC Boiler House Window Replacement			503,537			503,537									
HOC	WJ10301	HOC Surges Building Roof Replacement			902,714			902,714									
HOC	WJ10401	HOC Lotter Building Roof Replacement			279,829			279,829									
HOC	WJ07901	HOC New Parking Outside Secure Perimeter															
HOC	WJ10801	HOC Camera Storage SAN Upgrade															
HOC	WJ10901	HOC North Building (G2) Roof Replacement															
HOC	WJ11701	Marcus Center Roof Replacement															
MARCUS CNTR	WG05801	Marcus Center - Pedestrian Pavement Replacement			800,000			800,000									
MARCUS CNTR	WG053201	Marcus Center Uhllein #4 Elevator Modernization															
MARCUS CNTR	WG088901	Pedestrian Pavement Replacement (2022)															
DOT-FLEET	WG032301	Fleet General Equipment-2019			3,702,000			3,702,000									
DOT-FLEET	WG032401	Sheriff Fleet Equipment-2019			1,042,271			1,042,271									
DOT-FLEET	WG032501	House of Correction Fleet Equipment-2019			150,000			150,000									
DOT-FLEET	WG032601	Fleet Parks Equipment-2019			2,190,000			2,190,000									
DOT-FLEET	WG031501	Fleet General Equipment-Planning Plceholder			4,718,479			4,718,479									
DOT-FLEET	WG031601	Sheriff Fleet Equipment-Planning Plceholder			840,000			840,000									
DOT-FLEET	WG031701	House of Correction Fleet Equip-Plan Plceholder			260,000			260,000									
DOT-FLEET	WG031801	Fleet Parks Equipment-Planning Plceholder			2,520,000			2,520,000									
DOT-HWY	WH010008	Reconstruct CTH "Y" Layton Avenue 27th to 43rd			86,000			86,000									
DOT-HWY	WH010014	Reconstruct CTH "Y" South 92nd Street			344,000			344,000									
DOT-HWY	WH01022	N. Pt. Washington Rd.: Daphne to Good Hope			440,000			440,000									
DOT-HWY	WH01023	Reconstruct, S. 13th St. Puetz to Drexel			110,000			110,000									
DOT-HWY	WH02017	Reconstruct, S. 76th St., County Line to Puetz			100,000			100,000									
DOT-HWY	WH02018	W. Layton Ave. - S. 76th St. to S. 60th St.			175,000			175,000									
DOT-HWY	WH03014	W. Layton Ave. - S. 60th St. to W. Loomis Rd.			500,000			500,000									
DOT-HWY	WH10601	W. Vienna Ave. - Meromonee River #771			500,000			500,000									
DOT-HWY	WH10701	Short Term CTR Rehabilitation-Planning Plceholder															
DOT-HWY	WH09201	S. 76th St. & W. Layton Ave. Adapt Signal System			340,000			340,000									
DOT-HWY	WH09501	W. Rawson Ave - S. 27th St to S. 20th St.			100,000			100,000									
DOT-HWY	WH09601	S.13th St. - W. Ryan Rd to W. Puetz Rd.			360,000			360,000									
DOT-HWY	WH09701	E. North Ave Bridge over Oak Leaf Falke Trail															
DOT-HWY	WH09801	S. 76th St. Bridge over Loomis Rd.															
DOT-HWY	WH10001	S. 13th St. Bridge over Oak Creek			237,930			237,930									
DOT-HWY	WH10101	N. Oakland Ave. Bridge over Oak Leaf Bike Trail			951,720			951,720									
					1,189,650			1,189,650									
					258,293			258,293									
					3,000,000			3,000,000									
					65,000			65,000									
					260,000			260,000									
					51,659			51,659									
					206,634			206,634									
					170,000			170,000									
					200,000			200,000									
					325,000			325,000									
					65,000			65,000									
					260,000			260,000									
					34,000			34,000									
					40,000			40,000									
					136,000			136,000									

5-Year Capital Improvement Plan by County/Non-County Funding (All Departments-Excluding DOT-Airport) (a)

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
DOT-HWY	WH10201	S. 76th St. Bridge over W. Forest Home Ave.															
DOT-HWY	WH10301	W. Good Hope Rd. #374 over Milwaukee River															
DOT-HWY	WH10401	W. Good Hope Rd. #375 over Milwaukee River															
DOT-HWY	WH124001	W. Rawson (CTH B8) USH 45 to Hawthorne Ln	450,000		450,000												
DOT-HWY	WH10801	W. College Ave (31st/24th) Box Chrt/Railing Rops		125,000	125,000												
DOT-HWY	WH11001	W. Beloit Rd (CTH T) S.124th St. to S. Wolfmer Rd	200,000		200,000												
DOT-HWY	WH11101	W. Forest Home Ave (CTH00)H-View Dr to S N Cape															
DOT-HWY	WH11201	W. Good Hope Rd Bridge Rehabilitation (8-40-0370)															
DOT-HWY	WH11301	Mill Rd Bridge B-40-0936 Rehabilitation															
DOT-HWY	WH11501	Signal Upgrades for Improved Efficiency-Mobility															
DOT-TRANSIT	WT10301	Bus Replacement Program-Planning Placeholder	11,024,000		13,400,000												
DOT-TRANSIT	WT12101	Bus Replacement Program-2019	7,089,000	23,911,000	31,000,000												
DOT-TRANSIT	WT08601	KK Garage Roof Replacement	213,738	854,952	1,068,690												
DOT-TRANSIT	WT07801	FDL Garage Employee Parking Lot/Lighting		530,467	530,467												
DOT-TRANSIT	WT07901	Replace MCTS Fleet Maintenance Roof	530,467		530,467												
DOT-TRANSIT	WT10701	Bus Lift Replacement 1-4 (Maint Facility)	897,458		897,458												
DOT-TRANSIT	WT10601	Bus Lift Replacement 1 - 2 (KK Garage)															
DOT-TRANSIT	WT10501	Maintenance Work Order System (Transit)															
DOT-TRANSIT	WT10801	HVAC Replacement-KK Bus Storage/Washhouse	1,000,000		1,000,000												
DOT-TRANSIT	WT10901	Bus Lift Replacement 5-12 (Maint Facility)	2,500,000		2,500,000												
DOT-TRANSIT	WT11001	Glass Panel Wall Replacement-Transit Admin Bldg	2,000,000		2,000,000												
DOT-TRANSIT	WT11101	Concrete Yard Replacement (KK Garage site)	1,000,000		1,000,000												
DOT-TRANSIT	WT11201	Bus Lift Replacement (FDL Garage)															
DOT-TRANSIT	WT11301	Garage Door System (Transit Garages/Maint Fcilty)															
DOT-TRANSIT	WT11401	Lighting Improvements (FDL Garage)															
DOT-TRANSIT	WT11501	Lighting Improvements (KK Garage)															
DOT-TRANSIT	WT11601	Bus Lift Decking Replacement (FDL Garage)															
DOT-TRANSIT	WT05901	MCTS Admin Building Lighting Upgrades															
DOT-TRANSIT	WT08001	MCTS Fleet Maintenance Lighting Upgrades															
DOT-TRANSIT	WT06101	Interior Painting (FDL Garage)															
DOT-TRANSIT	WT11801	Bus Lift Replacement 3 - 4 (KK Garage)															
DOT-TRANSIT	WT11901	Bus Lift Replacement 5 - 6 (KK Garage)															
DOT-TRANSIT	WT12001	Bus Lift Replacement 7 - 9 (KK Garage)															
DOT-TRANSIT	WT12201	Bus Maintenance Pt Replacements (FDL Garage)															
DOT-TRANSIT	WT12301	Battery Electric Buses															
ME	WG26501	Medical Examiner Case Management Software	228,800		228,800												
ME	WG32701	Kodachrome Slides Digital Conversion	237,075		237,075												
ME	WO13401	Trimborn Farm Bunkhouse Restoration	99,547		99,547												
MPM	WO13601	Trimborn Farm Stone Barn Roof	432,710		432,710												
MPM	WM00903	West 3rd Floor Roof Replacement															
MPM	WM01003	Green House Freight Elevator															
MPM	WM01004	Passenger Elevator Modernization															
MPM	WM01501	Museum Exterior Window Replacement (East)	580,000		580,000												
MPM	WM04201	Museum Exterior Window Replacement (West)	580,500		580,500												
MPM	WM01601	Museum Façade Repair (East)	450,000		450,000												
MPM	WM04301	Museum Façade Repair (West)	450,000		450,000												
MPM	WM02201	MPM VAV Upgrade to AHU 403, AHU 405 & AHU 601															
MPM	WM02101	MPM Upgrade AHU Level Controls to DDC	3,735,229		3,735,229												
MPM	WM03201	MPM IS Server Room Infrastructure	477,363		477,363												
MPM	WM03301	MPM Greenhouse Roof Structure	813,479		813,479												
MPM	WM03401	MPM Pan Museum Fire Suppressions and Separations															
MPM	WM03701	MPM Dome Planetarium Roof Replacement															
MPM	WM03501	New Passenger Elevator	873,554		873,554												
MPM	WM03601	Air Handling Unit Frequency Drive Replacement															
MPM	WM03801	MPM Fire Panel Replacement	355,269		355,269												
MPM	WM03901	MPM Technology Infrastructure Replacement	600,000		600,000												
MPM	WM04001	MPM Analog Camera Replacement with Digital	1,120,457		1,120,457												
MPM	WM04501	MPM HVAC - Bird/Mammal Replacement															
MPM	WM04601	MPM Loading Dock and Overhead Door Replacement															
MPM	WM04701	MPM High Pressure Steam Line Replacement															
MPM	WM04801	MPM Loading Dock Exterior Façade															
MPM	WO29401	Repository-Community Engagement System															
OAAA	WO29501	Legislative-Policy Management System	150,000		150,000												
EMERGENCY MNGT	WO30301	Public Safety Data Interoperability	192,600		192,600												
EMERGENCY MNGT	WO26701	Communications Info-Video Wall															
EMERGENCY MNGT	WO26801	Radio Site Relocation-US Bank to Couture Bldg.	164,660		164,660												
EMERGENCY MNGT	WO26901	Mechanical CPR Devices	250,000		250,000												
EMERGENCY MNGT	WO27001	700MHz Back-Up Radio System (County)-Phase 1	810,000		810,000												
EMERGENCY MNGT	WO27301	Cardiac Monitors	750,500		750,500												
EMERGENCY MNGT	WO49801	800MHz Doppler System	150,000		150,000												
EMERGENCY MNGT	WO32201	Mechanical CPR Devices Planning Placeholder															
EMERGENCY MNGT	WO28801	Adaptive Emergency Operations Center	135,485		135,485												
EMERGENCY MNGT	WO29201	700MHz Back-Up Radio System (County)-Phase 2															
SHERIFF	WC10601	CIF Dirty Linen Receiving Area															
SHERIFF	WC10701	CIF Booking Room and Tower Remodeling															
SHERIFF	WC10801	CIF Sally Port Doors Replacement	221,174		221,174												

5-Year Capital Improvement Plan by County/Non-County Funding (All Departments-Excluding DOT-Airport) (a)

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
SHERIFF	WO16901	Training Academy Roof Repairs			453,000			453,000			230,000			230,000			
SHERIFF	WO17001	Training Academy Tactical House				453,000		453,000									
SHERIFF	WO44901	Automated License Plate Readers			180,000			180,000									
SHERIFF	WO46901	PSB Fast ID Remote Booking (30 Units)			215,000			215,000									
SHERIFF	WO47001	CIF - Instant Full Body Scan Machine			100,000			100,000									
SHERIFF	WO47101	CIF Key Watcher System			125,000			125,000									
SHERIFF	WO47801	Sheriff PSB CID Computer Hardware/Software				150,000		150,000									
SHERIFF	WO47901	CIF Kitchen Upgrades			500,000			500,000									
SHERIFF	WO48001	CIF Jail Records Area Remodeling			340,000			340,000									
SHERIFF	WO48101	CIF Roof Antenna Installation				1,527,083		1,527,083									
SHERIFF	WO48201	CIF Housing Video System				429,980		429,980									
SHERIFF	WO48301	CIF Pneumatic Tube System Repairs			160,520			160,520									
SHERIFF	WO48501	CIF Pod 4D Renovations			147,743			147,743									
SHERIFF	WO48801	CIF Secure Doors in Dock Area			151,400			151,400									
SHERIFF	WO49201	Sheriff PSB Predictive Analytics				500,000		500,000									
SHERIFF	WO49701	Training Academy Security Improvement				340,000		340,000									
SHERIFF	WO14001	CIF Pod 4B Food Chutes				1,527,083		1,527,083									
SHERIFF	WO16801	Training Academy HVAC-Plumbing Replacements				429,980		429,980									
SHERIFF	WO17901	MCSO Voice Analytics				160,520		160,520									
SHERIFF	WO49101	Lakefront Cameras & Video Analytics				147,743		147,743									
SHERIFF	WO27601	Sheriff Radio Replacement Placeholder				500,000		500,000									
SHERIFF	WO27701	Sheriff Radio Replacement-2019				340,000		340,000									
SHERIFF	WO27401	CIF Electronically Controlled Toilets				1,527,083		1,527,083									
SHERIFF	WO20001	Training Academy Parking Lot Replacement				318,803		318,803									
SHERIFF	WO30001	Courts Videoconferencing				270,000		270,000									
SHERIFF	WO28701	Sheriff Arbitrator Replacements-2019				1,000,000		1,000,000									
SHERIFF	WO29601	Sheriff Arbitrator Replacements-Plan P1chldr				147,000		147,000									
SHERIFF	WO28901	CIF Intercoms and Door Controls Replacement				631,913		631,913									
SHERIFF	WO29301	Sheriff Foreclosure Sale & Posting Solution				3,762,880		3,762,880									
SHERIFF	WO63801	CCFC Camera System-Phase 3				123,940		123,940									
PARKS	WP20301	Kosciusko Community Center HVAC				3,047,651		3,047,651									
PARKS	WP54601	Parks Bridge Inventory and Assessment				2,150,000		2,150,000									
PARKS	WP68801	Midkney Parking Lots - Phase 2				132,000		132,000									
PARKS	WP55801	Midkney Marina Parking Lots Pin Plchldr				184,915		184,915									
PARKS	WP49401	Midkney Marina Parking Lot Replacement (E-K)				1,231,465		1,231,465									
PARKS	WP53301	Cathedral Square Playground Replacement				1,050,500		1,050,500									
PARKS	WP53801	Underwood Creek Pkwy Rd Rplcmt-Bluemound to 119th	153,142		153,142			153,142									
PARKS	WP49801	Wilson Rec Pkwy Rd Rplcmt-Bluemound to 119th	133,663		133,663			133,663									
PARKS	WP68901	Wilson Rec Cntr - Emergency Exit Doors Rplcmt				201,234		201,234									
PARKS	WP67801	Wehr Connection to Municipal Water				211,253		211,253									
PARKS	WP32001	North Point Parking Lot				1,245,950		1,245,950									
PARKS	WP54001	Whinnall Golf Course Irrigation				2,071,193		2,071,193									
PARKS	WP54901	Parks Bender Safe Harbor Sedimentation Abatement				6,763,792		6,763,792									
PARKS	WP05046	Lincaln Park Baseball Lighting	42,885		42,885			42,885									
PARKS	WP54401	Parks McCarty Replace Electrical Service	1,016,540		1,016,540			1,016,540									
PARKS	WP95701	Parks Service Bldgs-New Garage Door Openings				195,313		195,313									
PARKS	WP54301	Parks ADA Inventory and Assessment				250,798		250,798									
PARKS	WP55101	Pulaski Park Pavilion Exterior Improvements				416,344		416,344									
PARKS	WP54201	Greenfield Park Shelter RR #5 Replacement				53,154		53,154									
PARKS	WP41301	Cool Waters Overflow Parking Lot				138,614		138,614									
PARKS	WP62601	Dretzka Park-Lighting, Stormwater, Parking Imprvr				102,069		102,069									
PARKS	WP62501	Root River Pkwy Recnstrc-Lincn to Clvnd (east)				128,034		128,034									
PARKS	WP53901	Root River Pkwy Recnstrc-124th to Clvnd (west)				203,707		203,707									
PARKS	WP54001	Rainbow Park Playground Replacement				136,255		136,255									
PARKS	WP53401	Pulaski-Cudaby Park Playground Replacement				283,480		283,480									
PARKS	WP53501	Mitchell Airport Park Playground Replacement				283,480		283,480									
PARKS	WP53601	Replace Incandescent with HPS				210,000		210,000									
PARKS	WP42501	Playground Resurface - Hoyt, Gordon, Cool Waters				379,791		379,791									
PARKS	WP52301	Lake Park Steel Arch Bridge				113,614		113,614									
PARKS	WP34401	Replace Incandescent with HPS				113,112		113,112									
PARKS	WP55301	Mitchell Park Conservatory Planning				400,000		400,000									
PARKS	WP42001	Tennis Courts-Planning Placeholder				200,000		200,000									
PARKS	WP40801	Furnace and Boiler Replacement Placeholder				100,000		100,000									
PARKS	WP69101	Baseball Fields-Planning Placeholder				500,000		500,000									
PARKS	WP40301	Mitchell Park Conservatory				250,000		250,000									
PARKS	WP56301	Currie Golf Parking Lot and Road				19,000		19,000									
PARKS	WP32201	Washington Park Drive Reconstruction				100,000		100,000									
PARKS	WP52601	Wilson Recreation Roof Replacement				76,000		76,000									
PARKS	WP56401	Center Street Pavilion Restroom Renovation				300,000		300,000									
PARKS	WP56501	Dineen Boathouse Parking Lot Replacement				33,000		33,000									
PARKS	WP52701	Honey Creek Pkwy Reconstruction				132,000		132,000									
PARKS	WP52801	Grant Park Pavement Replacement				203,000		203,000									
PARKS	WP56701	OLT Replacement - Cupertino b/t SS marina and Russell				11,880		11,880									
PARKS	WP56801	OLT Replacement Warmint/b/t Pulaski and College				71,280		71,280									
PARKS	WP57001	Wilson Rec Cntr Svce Rd-Rplcmt-Parking lot-S 20th St				40,000		40,000									
PARKS	WP57101	Milwaukee River Pkwy Rd Rplcmt-Hampton-Silver-Spring				226,000		226,000									



5-Year Capital Improvement Plan by County/Non-County Funding (All Departments-Excluding DOT-Airport) (a)

DEPT	Project	Project Description	2019 - BUDGET		2020		2021		2022		2023						
			County	Non-County	County	Non-County	County	Non-County	County	Non-County	County	Non-County					
PARKS	WP65501	Humboldt Pavilion HVAC Replacement			80,000		800,000										
PARKS	WP65601	Lincoln Blatz - new A/C and upgrade Electrical			300,000												
PARKS	WP65701	Center Street Park Playground Replacement					275,000										
PARKS	WP65801	Cool Waters Aquatic Center Runout Slide					120,000										
PARKS	WP65901	Currie Golf Cart Paths					500,000										
PARKS	WP66001	Dineen Park Playground Replacement (reduce size)					275,000										
PARKS	WP66101	Dretzka Chalet Parking Lot Replacement					69,000										
PARKS	WP66201	Groschmidt Bathroom Roof Replacement					300,000										
PARKS	WP66301	KK-Sports Restroom Renovation															
PARKS	WP66401	Kosciuszko Aquatic Center Playground Replacement					180,000										
PARKS	WP66501	Lake Michigan Shoreline Stabilization - Sheridan Park					5,000,000										
PARKS	WP66601	Lincoln Park Walkways					1,200,000										
PARKS	WP66701	Lincoln South Parking Lot Replacement					50,000										
PARKS	WP66801	Little Minnie River Pkwy Rd Rplcmnt-Appleton-Leon Tree					170,000										
PARKS	WP66901	Lyons Playground Replacement					100,000										
PARKS	WP67001	McCarty Pavilion Roof Replacement															
PARKS	WP67101	Mitchell Lagoon Pavilion Restroom Renovation					200,000										
PARKS	WP67201	Noyes Indoor Pool Clerestory Window Replacement					50,000										
PARKS	WP67301	Oakwood Clubhouse HVAC Replacement					200,000										
PARKS	WP67401	Pulaski Indoor Pool Clerestory Window Replacement					275,000										
PARKS	WP67501	Tripplecano Playground Replacement					340,000										
PARKS	WP67601	Warminot Clubhouse Restroom Renovation					275,000										
PARKS	WP67701	Warminot Golf Irrigation															
PARKS	WP67801	Wedgewood Wading Pool Rehabilitation					275,000										
PARKS	WP67901	Wehr Nature Center Restroom Renovation															
PARKS	WP68001	Wisconsin Avenue Playground Replacement					250,000										
PARKS	WP68101	Zablocki Golf Restroom Renovation					500,000										
PARKS	WP68201	Park Pedestrian Bridge Rplcmnt Plan Pldchr															
PARKS	WP68301	KK Simmons Parking Lot Replacement					350,000										
PARKS	WP68401	Oak Creek Parkway - S Mike Mill Pond Dam					783,247										
PARKS	WP68501	Washington Park Bridge Replacements															
WMIC	WZ11801	Veterans Gallery Windows															
ZOO	WZ11901	Hippopotamus Exhibit Renovations															
ZOO	WZ12001	Zoo Adventure Africa-Rhinos Exhibit															
ZOO	WZ12101	Alaska's Cold Coast															
ZOO	WZ12201	Farm Walk-about & Site Improvements															
ZOO	WZ12301	Zoo Aquatic & Reptile Center Structural Repairs															
ZOO	WZ12401	Zoo Flamingo Cafe and Admin Bldg Roof Replace															
ZOO	WZ12501	Zoo Front Entrance-Admissions Reconfiguration															
ZOO	WZ12601	Zoo Front Entrance-Penguins Exhibit															
<b>Total Funding by YEAR:</b>																	
<b>Total Projects by YEAR:</b>																	
			\$55,095,566	\$38,151,531	\$93,247,097	\$150,031,602	\$ 8,652,499	\$158,684,101	\$113,518,890	\$16,774,626	\$130,293,516	\$131,009,993	\$19,309,526	\$150,319,519	\$297,311,833	\$22,650,000	\$319,961,833
			36				206	128	146		118						

The Table (a) above reflects the 2019 BUDGET appropriations while 2020 - 2023 Capital Improvement Plan Years. Appropriations have only been made for the 2019 BUDGET year. Any 2019 REQ Projects NOT included in the 2019 BUDGET are rolled to 2020.

**CAPITAL IMPROVEMENT PROGRAM  
2019 - 2023**

**BY DEPARTMENT**

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**5-Year Capital Improvement Plan by County/Non-County Funding: DOT-HWY (a)**

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
DOT-HWY	WH01006	Reconstruct CTH "Y" Layton Avenue 27th to 43rd			3,700,000	86,000	344,000	430,000	850,000	3,400,000			4,250,000				
DOT-HWY	WH01008	Reconstruct CTH "N" South 92nd Street	2,497,000	1,203,000													
DOT-HWY	WH01014	N. Pt. Washington Rd.: Daphne to Good Hope				110,000	440,000	550,000	100,000	200,000	300,000	175,000	3,600,000	700,000	1,400,000		
DOT-HWY	WH01022	Reconstruct, S. 13th St. Puetz to Drexel				100,000	400,000	500,000	125,000	500,000	625,000	900,000	500,000	2,760,000	11,040,000		
DOT-HWY	WH02017	Reconstruct, S. 76th St., County Line to Puetz							175,000		175,000	800,000	650,000	800,000	1,450,000		
DOT-HWY	WH02018	W. Layton Ave. - S. 76th St. to S. 60th St.															
DOT-HWY	WH03014	W. Layton Ave. - S. 60th St. to W. Loomis Rd.				500,000		500,000	500,000		500,000	174,000	696,000	800,000	1,450,000		
DOT-HWY	WH03014	W. Vienna Ave. - Menomonee River #771															
DOT-HWY	WH10601	Short Term CTH Rehabilitation-Planning Placeholder															
DOT-HWY	WH10701	Short Term CTH Rehabilitation-2019															
DOT-HWY	WH09201	S. 76th St. & W. Layton Ave. Adapt Signal System	100,000	340,000	440,000				600,000	2,400,000	3,000,000						
DOT-HWY	WH09501	W Rawson Ave - S. 27th St to S. 20th St.	100,000	360,000	460,000				65,000	260,000	325,000			65,000	260,000		
DOT-HWY	WH09601	S.13th St. - W. Ryan Rd to W. Puetz Rd.															
DOT-HWY	WH09701	E. North Ave Bridge over Oak Leaf Bike Trail				237,930	951,720	1,189,650	51,659	206,634	258,293						
DOT-HWY	WH09801	S. 76th St. Bridge over Loomis Rd.															
DOT-HWY	WH10001	S. 13th St. Bridge over Oak Creek															
DOT-HWY	WH10101	N. Oakland Ave. Bridge over Oak Leaf Bike Trail															
DOT-HWY	WH10201	S. 76th St. Bridge over W. Forest Home Ave.															
DOT-HWY	WH10301	W. Good Hope Rd. #37A over Milwaukee River															
DOT-HWY	WH10401	W. Good Hope Rd. #375 over Milwaukee River															
DOT-HWY	WH24001	W Rawson (CTH B8) USH 45 to Hawthorne Ln	450,000		450,000	1,607,000	793,000	2,400,000									
DOT-HWY	WH10801	W College Ave (S157/24th) Box Chvr/Railing Rprs				250,000		250,000									
DOT-HWY	WH11001	W Beloit Rd (CTH T) S124th St to S Wollmer Rd	125,000		125,000	450,000		450,000	2,292,008	807,992	3,100,000						
DOT-HWY	WH11101	W Forest Home Ave (CTHOO)HH-View Dr to S N Cape	200,000		200,000	375,000		375,000	115,000		115,000						
DOT-HWY	WH11201	W Good Hope Rd Bridge Replacement (B-40-0370)				274,752	1,099,008	1,373,760									
DOT-HWY	WH11301	W Hampton Ave. Bridge P-40-0750 Rehabilitation				27,296	109,185	136,481									
DOT-HWY	WH11401	Mill Rd Bridge B-40-0936 Rehabilitation				28,897	115,586	144,483									
DOT-HWY	WH11501	Signal Upgrades for Improved Efficiency-Mobility				200,000		200,000									
<b>DOT-HWY Capital Project Funding by YEAR:</b>			<b>3,472,000</b>	<b>1,903,000</b>	<b>5,375,000</b>	<b>4,246,875</b>	<b>4,252,499</b>	<b>8,499,374</b>	<b>4,873,667</b>	<b>7,774,626</b>	<b>12,648,293</b>	<b>6,090,690</b>	<b>9,309,526</b>	<b>4,825,000</b>	<b>12,650,000</b>	<b>17,475,000</b>	
<b>DOT-HWY # of Capital Projects by YEAR:</b>			<b>6</b>	<b>14</b>	<b>10</b>	<b>16</b>	<b>5</b>	<b>17,475,000</b>	<b>5</b>	<b>17,475,000</b>							

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**5-Year Capital Improvement Plan by County/Non-County Funding: DOT-TRANSIT (a)**

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
DOT-TRANSIT	WT10301	Bus Replacement Program-Planning Placeholder				12,800,000	4,000,000	16,800,000	13,000,000	4,000,000	17,000,000	13,200,000	4,000,000	17,200,000	13,400,000	4,000,000	17,400,000
DOT-TRANSIT	WT12101	Bus Replacement Program-2019	11,024,000	2,376,000	13,400,000												
DOT-TRANSIT	WT08301	Bus Rapid Transit	7,089,000	23,911,000	31,000,000												
DOT-TRANSIT	WT08601	FDL Garage Employee Parking Lot/Lighting	213,738	854,952	1,068,690				5,000,000		5,000,000						
DOT-TRANSIT	WT07801	KK Garage Roof Replacement				500,000		500,000									
DOT-TRANSIT	WT07901	Replace MCTS Fleet Maintenance Roof	530,467		530,467	4,150,791		4,150,791									
DOT-TRANSIT	WT10701	Bus Lift Replacement 1-4 (Maint Facility)	897,458		897,458							500,000		500,000			
DOT-TRANSIT	WT10601	Bus Lift Replacement 1 - 2 (KK Garage)															
DOT-TRANSIT	WT10501	Maintenance Work Order System (Transit)				1,000,000		1,000,000									
DOT-TRANSIT	WT10801	HVAC Replacement-KK Bus Storage/Washhouse				2,500,000		2,500,000									
DOT-TRANSIT	WT10901	Bus Lift Replacement 5-12 (Maint Facility)				2,000,000		2,000,000									
DOT-TRANSIT	WT11001	Glass Panel Wall Replacement-Transit Admin Bldg															
DOT-TRANSIT	WT11101	Concrete Yard Replacement (KK Garage site)															
DOT-TRANSIT	WT11201	Bus Lift Replacement (FDL Garage)				1,000,000		1,000,000									
DOT-TRANSIT	WT11301	Garage Door System (Transit Garages/Maint Fcily)															
DOT-TRANSIT	WT11401	Lighting Improvements (FDL Garage)							750,000		750,000						
DOT-TRANSIT	WT11501	Lighting Improvements (KK Garage)							750,000		750,000						
DOT-TRANSIT	WT11601	Bus Lift Decking Replacement (FDL Garage)							750,000		750,000						
DOT-TRANSIT	WT05901	MCTS Admin Building Lighting Upgrades															
DOT-TRANSIT	WT08801	MCTS Fleet Maintenance Lighting Upgrades															
DOT-TRANSIT	WT06101	Interior Painting (FDL Garage)															
DOT-TRANSIT	WT11801	Bus Lift Replacement 3 - 4 (KK Garage)															
DOT-TRANSIT	WT11901	Bus Lift Replacement 5 - 6 (KK Garage)															
DOT-TRANSIT	WT12001	Bus Lift Replacement 7 - 9 (KK Garage)															
DOT-TRANSIT	WT12201	Bus Maintenance Pit Replacements (FDL Garage)															
DOT-TRANSIT	WT12301	Battery Electric Buses							2,000,000		2,000,000						
<b>DOT-TRANSIT Capital Project Funding by YEAR:</b>			<b>19,754,663</b>	<b>27,141,952</b>	<b>46,896,615</b>	<b>23,950,791</b>	<b>4,000,000</b>	<b>27,950,791</b>	<b>22,250,000</b>	<b>4,000,000</b>	<b>26,250,000</b>	<b>17,450,000</b>	<b>10,000,000</b>	<b>27,450,000</b>	<b>16,575,000</b>	<b>6,000,000</b>	<b>7,500,000</b>
<b>DOT-TRANSIT # of Capital Projects by YEAR:</b>			<b>5</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>

The Table (a) above reflects the 2019 BUDGET appropriations while 2020 - 2023 Capital Improvement Plan Years. Appropriations have only been made for the 2019 BUDGET year. Any 2019 REQ Projects NOT included in the 2019 BUDGET are rolled to 2020.

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**5-Year Capital Improvement Plan by County/Non-County Funding: DOT-FLEET (a)**

DEPT	Project	Project Description	2019 - BUDGET		2020		2021		2022		2023		Total
			County	Non-County	County	Non-County	County	Non-County	County	Non-County	County	Non-County	
DOT-FLEET	WG32301	Fleet General Equipment-2019	3,702,000										3,702,000
DOT-FLEET	WG32401	Sheriff Fleet Equipment-2019	1,042,271										1,042,271
DOT-FLEET	WG32501	House of Correction Fleet Equipment-2019	150,000										150,000
DOT-FLEET	WG32601	Fleet Parks Equipment-2019	2,190,000										2,190,000
DOT-FLEET	WG31501	Fleet General Equipment-Planning Placeholder			4,718,479		4,651,713		3,631,592				3,631,592
DOT-FLEET	WG31601	Sheriff Fleet Equipment-Planning Placeholder			840,000		850,000		1,000,000				1,000,000
DOT-FLEET	WG31701	House of Correction Fleet Equip-Plan Placeholder			260,000		265,000		260,000				260,000
DOT-FLEET	WG31801	Fleet Parks Equipment-Planning Placeholder			2,520,000		2,430,000		3,180,773				3,180,773
		<b>DOT-FLEET Capital Project Funding by YEAR:</b>	<b>7,084,271</b>	<b>0</b>	<b>8,338,479</b>	<b>0</b>	<b>8,196,713</b>	<b>0</b>	<b>8,072,365</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,515,109</b>
		<b>DOT-FLEET # of Capital Projects by YEAR:</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>

The Table (a) above reflects the 2019 BUDGET appropriations while 2020 - 2023 Capital Improvement Plan Years. Appropriations have only been made for the 2019 BUDGET year. Any 2019 REQ Projects NOT included in the 2019 BUDGET are rolled to 2020.

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5-Year Capital Improvement Plan by County/Non-County Funding: PARKS (a)

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
PARKS	WP20301	Kosciuszko Community Center HVAC			3,762,880	3,762,880											
PARKS	WP54601	Parks Bridge Inventory and Assessment			123,940	123,940											
PARKS	WP68801	McKinley Parking Lots - Phase 2			3,047,651	3,047,651											
PARKS	WP55801	McKinley Marina Parking Lots Pln Pchld			2,150,000	2,150,000											
PARKS	WP49401	McKinley Marina Parking Lot Replacement (E-K)			132,000	132,000											
PARKS	WP53301	Cathedral Square Playground Replacement			184,915	184,915											
PARKS	WP53801	Root River Pkwy Reconstrc Pkwy-92nd and Parking Lot	153,142		1,231,465	1,231,465											
PARKS	WP49801	Underwood Creek Pkwy Rd Rplcmnt-Bluemound to 119th	133,663		1,050,500	1,050,500											
PARKS	WP68901	Wilson Rec Cntr - Emergency Exit Doors Rplcmnt			201,234	201,234											
PARKS	WP67801	Wehr Connection to Municipal Water			211,253	211,253											
PARKS	WP32001	North Point Parking Lot			1,245,950	1,245,950											
PARKS	WP54501	Whitnall Golf Course Irrigation			2,071,193	2,071,193											
PARKS	WP54901	Parks Bender Safe Harbor Sedimentation Abatement			6,763,792	6,763,792											
PARKS	WP05046	Lincoln Park Baseball Lighting			335,521	335,521											
PARKS	WP54401	Parks McCarty Replace Electrical Service	42,885														
PARKS	WP55701	Parks Service Bldgs-New Garage Door Openings	1,016,540														
PARKS	WP54301	Parks ADA Inventory and Assessment			195,313	195,313											
PARKS	WP55101	Parks ADA Inventory and Assessment			250,798	250,798											
PARKS	WP54201	Pulaski Park Pavilion Exterior Improvements			416,344	416,344											
PARKS	WP41301	Sheridan Dressing Yard Replacement			53,154	53,154											
PARKS	WP62601	Greenfield Park Shelter RR #5 Replacement			138,614	138,614											
PARKS	WP62501	Cool Waters Overflow Parking Lot			102,069	102,069											
PARKS	WP62501	Dretzka Park-Lighting, Stormwater, Parking Imprv			128,034	128,034											
PARKS	WP53901	Root River Pkwy Reconstrc-Lincoln to CWind (east)			203,707	203,707											
PARKS	WP54001	Root River Pkwy Reconstrc-124th to CWind (west)			136,255	136,255											
PARKS	WP53401	Rainbow Park Playground Replacement			283,480	283,480											
PARKS	WP53501	Pulaski-Cudahy Park Playground Replacement			283,480	283,480											
PARKS	WP53601	Mitchell Airport Park Playground Replacement			210,000	210,000											
PARKS	WP42501	Replace Pool Filter Systems-Humboldt, Jacobus, and Alcott			379,791	379,791											
PARKS	WP52301	Playground Resurfacing - Hoyt, Gordon, Cool Waters			113,614	113,614											
PARKS	WP34401	Lake Park Steel Arch Bridge			888,985	888,985											
PARKS	WP55301	Replace Incan descent with HPS			113,112	113,112											
PARKS	WP55301	Mitchell Park Conservatory Planning			400,000	400,000											
PARKS	WP42001	Tennis Courts-Planning Placeholder			200,000	200,000											
PARKS	WP40801	Basketball Courts-Planning Placeholder			100,000	100,000											
PARKS	WP69101	Furnace and Boiler Replacement Pln Pchldr			500,000	500,000											
PARKS	WP40301	Baseball Fields-Planning Placeholder			250,000	250,000											
PARKS	WP55901	Mitchell Park Conservatory															
PARKS	WP56301	KK Sports Parking Lot Replacement															
PARKS	WP32201	Currie Golf Parking Lot and Road															
PARKS	WP52601	Washington Park Drive Reconstruction															
PARKS	WP56401	Wilson Recreation Roof Replacement															
PARKS	WP56501	Center Street Pavillion Restroom Renovation															
PARKS	WP56601	Dineen Boathouse Parking Lot Replacement															
PARKS	WP52701	Honey Creek Pkwy Reconstruction															
PARKS	WP52801	Grant Park Pavement Replacement															
PARKS	WP56701	OLT Replacement - Cupertino b/t Ss marina and Russell															
PARKS	WP56801	OLT Replacement - Warmintom b/t Pulaski and College															
PARKS	WP57101	Wilson Recntr Svce Rd-Main Parking lot-S20th St															
PARKS	WP09801	Milwaukee River Pkwy Rd Rplcmnt-Hampton-Silver Spring															
PARKS	WP09801	McGovern Parking Lot Replacement															
PARKS	WP57201	Wilson Recreation HVAC Replacement															
PARKS	WP57301	Wilson Recreation HVAC Replacement															
PARKS	WP57401	Estabrook Service Public Restroom Renovation															
PARKS	WP57501	Washington Parking Lot near service building Replacement															
PARKS	WP32501	Dineen Parking Lot b/t Splash Pad and Svc Yard															
PARKS	WP57601	Estabrook Central (west of drive) Parking Lot Replacement															
PARKS	WP57701	Sports Complex HVAC Replacement															
PARKS	WP57801	Warmintom Road Replacement - Road to Golf Course															
PARKS	WP57901	Grant Service Employee Restroom Renovation															
PARKS	WP58001	Sports Complex Road Replacement - Ryan Rd to Complex															
PARKS	WP58101	Root River Pkwy Area 2-2a Parking Lot Replacement															
PARKS	WP58201	Wisconsin Avenue Parking Lot Replacement															
PARKS	WP41901	Zablocki Parking Lot Replacement															
PARKS	WP58301	Greenfield Park Shelter #3 RR Replacement															
PARKS	WP58401	Estabrook South (east of drive) Parking Lot Replacement															
PARKS	WP58501	Greenfield Picnic Areas 5 and 1 Parking Lot Replacement															
PARKS	WP58601	Grantosa Pkwy Road Replacement Hwy 100 to Capitol															
PARKS	WP58701	Lake Locust St Parking Area Elimination															
PARKS	WP58801	Scout Lake Parking Lot Replacement															
PARKS	WP58901	Washington Bardsheal Parking Lot Replacement															
PARKS	WP59001	Whitnall Park Rd Rplcmnt-Whitnall Way and 92nd St															
PARKS	WP59101	Whitnall Park Rd Rplcmnt-Play Area to Llac Ln															
PARKS	WP59201	Whitnall Park Rd Rplcmnt-W Spur to 108th & Whitnall Way															
PARKS	WP59301	Doyle Parking Lot Replacement (reduce size)															
PARKS	WP49901	Menomonee River Pkwy Road Replacement 60th to 70th															
PARKS	WP59401	Root River Pkwy Reconstrc-Planning Placeholder															
PARKS	WP59501	Noyes Indoor Pool Restroom Renovation															
PARKS	WP59601	Pulaski Millw Indoor Pool Restroom Renovation															
PARKS	WP59701	Greenfield Service Roof Replacement															
PARKS	WP59801	Kulwicki Roof Replacement															

5-Year Capital Improvement Plan by County/Non-County Funding: PARKS (a)

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
PARKS	WP59801	Dretzka Park Lighting Replacement															
PARKS	WP59901	Root River 1 - 1a Roof Replacement															
PARKS	WP68701	Brown Deer Park Driving Range	371,000		371,000												
PARKS	WP63301	Hales Corners Wading Pool Rehabilitation															
PARKS	WP63401	Scout Lake Roof Replacement															
PARKS	WP63501	Cooper Playground Replacement															
PARKS	WP63601	Jackson Playground Replacement															
PARKS	WP63701	Rose Playground Replacement															
PARKS	WP63801	Kops Playground Replacement															
PARKS	WP63901	Root River Lighting Replacement - Lincoln to National															
PARKS	WP41401	Parks Walkways-Planning Placeholder															
PARKS	WP09601	Storm Sewers Outfall Reconstruct-Planning Placeholder															
PARKS	WP64001	Security System Placeholder															
PARKS	WP09301	Pool Filter Replacement Program-Planning Placeholder															
PARKS	WP09401	Pool Dressing Yard Replacements-Planning Placeholder															
PARKS	WP09501	Parks ADA Access Improvement - Plan Placeholder															
PARKS	WP41601	Parks Electr Svc Replace-Planning Placeholder															
PARKS	WP41701	Parks HVAC Replacement-Planning Placeholder															
PARKS	WP09701	Streambank Stabilization Program-Planning Placeholder															
PARKS	WP42301	Parks Building Demolition-Planning Placeholder															
PARKS	WP64101	Beach Accessibility Placeholder															
PARKS	WP42201	Parks Restroom Renovations-Planning Placeholder															
PARKS	WP42101	Roof Replacement Program-Planning Placeholder															
PARKS	WP06201	Golf Course Improvements-Planning Placeholder															
PARKS	WP26701	Oak Leaf Trail Program-Planning Placeholder															
PARKS	WP09201	Playground Replacement Prgm-Planning Placeholder															
PARKS	WP64201	Wifi Installation Placeholder															
PARKS	WP64301	Kletsch Upper Pavilion Restroom Reno and Roof Rplcmnt	100,000		100,000												
PARKS	WP64401	Lincoln Golf Parking Lot Replacement	500,000		500,000												
PARKS	WP28201	Brown Deer Park Pavement Replacement	42,000		42,000												
PARKS	WP51701	Noyes Park Hard Surfaces	4,000,000		4,000,000												
PARKS	WP64501	OLT Replacement Good Hope to Calumet	80,000		80,000												
PARKS	WP62101	Holler Park Hard Surfaces	23,760		23,760												
PARKS	WP62101	Holler Park Hard Surfaces	52,000		52,000												
PARKS	WP41501	Falk - Parking Lot	15,000		15,000												
PARKS	WP09101	Bender Park Road to Boat Launch Replacement	87,000		87,000												
PARKS	WP64601	Brown Deer Clubhouse Window Replacement	100,000		100,000												
PARKS	WP64701	Cuduh Nature Wall Removal and Roof Replacement	100,000		100,000												
PARKS	WP68201	Whitall Clubhouse HVAC Replcmnt & Kitchen Remodel	906,600		906,600												
PARKS	WP37301	Underwood Creek Multi-Use Trail (100th to 115th)	24,000		24,000												
PARKS	WP34201	Brown Deer Cross Country Trail Bridge	100,000		100,000												
PARKS	WP42601	Restroom Ventilation Rplmnt-Planning Placeholder	300,000		300,000												
PARKS	WP37201	McKinley Park Flushing Channel Seawall Replac	250,000		250,000												
PARKS	WP30201	Playground Resurfacing Prgm-Planning Placeholder	375,000		375,000												
PARKS	WP64801	Estabrook Dam Parking Lot Elimination	17,000		17,000												
PARKS	WP64901	Brown Deer Boathouse Lower Restroom Renovation	300,000		300,000												
PARKS	WP65001	Grant Clubhouse Trim and Siding Replacement	120,000		120,000												
PARKS	WP65101	Kosciuszko Gym Roof Replacement	200,000		200,000												
PARKS	WP65201	Warrenwood Clubhouse Roof Replacement	30,000		30,000												
PARKS	WP65401	Grant 3 Playground Replacement	275,000		275,000												
PARKS	WP65501	Humboldt Pavilion HVAC Replacement	80,000		80,000												
PARKS	WP65601	Lincoln Blatz - new A C and upgrade Electrical	300,000		300,000												
PARKS	WP36701	Center Street Park Playground Replacement															
PARKS	WP65701	Cool Waters Aquatic Center Runout Slide															
PARKS	WP65801	Currie Golf Cart Paths															
PARKS	WP65901	Dineen Park Playground Replacement															
PARKS	WP66001	Dretzka Chalet Parking Lot Replacement (reduce size)															
PARKS	WP66101	Grobschmidt Bathhouse Roof Replacement															
PARKS	WP66201	KK-Sports Restroom Renovation	300,000		300,000												
PARKS	WP66301	Kosciuszko Aquatic Center Playground Replacement															
PARKS	WP66401	Lake Michigan Shoreline Stabilization - Sheridan Park															
PARKS	WP41801	Lincoln Park Walkways															
PARKS	WP66501	Lincoln South Parking Lot Replacement	120,000		120,000												
PARKS	WP47301	Little Minnie River Pkwy Rd Rplcmnt-Appleton-Leon Tree	50,000		50,000												
PARKS	WP66601	Lyons Playground Replacement	170,000		170,000												
PARKS	WP66701	McCarthy Pavilion Roof Replacement															
PARKS	WP66801	Mitchell Blvd Playground Replacement	100,000		100,000												
PARKS	WP66901	Mitchell Lagoon Pavilion Restroom Renovation															
PARKS	WP67001	Noyes Indoor Pool Clerestory Window Replacement	200,000		200,000												
PARKS	WP67101	Oakwood Clubhouse HVAC Replacement	50,000		50,000												
PARKS	WP67201	Pluiski Indoor Pool Clerestory Window Replacement	200,000		200,000												
PARKS	WP67301	Trippesano Playground Replacement	280,000		280,000												
PARKS	WP67401	Underwood Creek Pkwy Rd Rplcmnt-Roundabout to Swan	275,000		275,000												
PARKS	WP67501	Warrenwood Clubhouse Restroom Renovation	340,000		340,000												
PARKS	WP67601	Warrenwood Golf Irrigation															
PARKS	WP67701	Wedgewood Wading Pool Rehabilitation															
PARKS	WP67901	Wehr Nature Center Restroom Renovation															
PARKS	WP68001	Wisconsin Avenue Playground Replacement															
PARKS	WP68101	Zablocki Golf Restroom Renovation															
PARKS	WP69301	Park Pedestrian Bridge Rplcmnt Plan Plchdr	500,000		500,000												



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**5-Year Capital Improvement Plan by County/Non-County Funding: ZOO (a)**

DEPT	Project	Project Description	2019 - BUDGET		2020		2021		2022		2023	
			County	Non-County	County	Non-County	County	Non-County	County	Non-County	County	Non-County
ZOO		Zoological Department										
ZOO	WZ11801	Hippopotamus Exhibit Renovations	4,329,357	9,106,579	400,000	400,000	5,000,000	5,000,000	200,000	200,000	2,400,000	2,400,000
ZOO	WZ14101	Zoo Adventure Africa-Rhinos Exhibit					800,000	10,000,000				
ZOO	WZ17001	Alaska's Cold Coast										
ZOO	WZ17101	Farm Walk-about & Site Improvements			36,129	36,129	282,669	282,669				
ZOO	WZ13501	Zoo Aquatic & Reptile Center Structural Repairs			628,216	628,216						
ZOO	WZ16001	Zoo Flamingo Cafe and Admin Bldg Roof Replace										
ZOO	WZ17401	Zoo Front Entrance-Admissions Reconfiguration										
ZOO	WZ17501	Zoo Front Entrance-Penguins Exhibit										
		<b>ZOO Capital Project Funding by YEAR:</b>	<b>4,329,357</b>	<b>9,106,579</b>	<b>1,064,345</b>	<b>1,464,345</b>	<b>5,282,669</b>	<b>10,282,669</b>	<b>400,000</b>	<b>400,000</b>	<b>2,900,000</b>	<b>2,900,000</b>
		<b>ZOO # of Capital Projects by YEAR:</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>

The Table (a) above reflects the 2019 BUDGET appropriations while 2020 - 2023 Capital Improvement Plan Years. Appropriations have only been made for the 2019 BUDGET year. Any 2019 REQ Projects NOT included in the 2019 BUDGET are rolled to 2020.

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**5-Year Capital Improvement Plan by County/Non-County Funding: MPM (a)**

DEPT	Project	Project Description	2019 - BUDGET		Total	2020		Total	2021		Total	2022		Total	2023		Total
			County	Non-County		County	Non-County		County	Non-County		County	Non-County		County	Non-County	
MPM	WM00903	West 3rd Floor Roof Replacement						459,620			459,620						
MPM	WM01003	Green House Freight Elevator						291,000			291,000						
MPM	WM01004	Passenger Elevator Modernization						1,508,000			1,508,000						
MPM	WM01501	Museum Exterior Window Replacement (East)				580,000		580,000			580,000						
MPM	WM04201	Museum Exterior Window Replacement (West)				580,500		580,500			580,500						
MPM	WM01601	Museum Facade Repair (East)				450,000		450,000			450,000						
MPM	WM04301	Museum Facade Repair (West)				477,363		477,363			477,363						
MPM	WM02001	MPM VAV Upgrade to AHU 403, AHU 405 & AHU 601				813,479		813,479			813,479						
MPM	WM02101	MPM Upgrade AHU level Controls to DDC															
MPM	WM03201	MPMIS Server Room Infrastructure															
MPM	WM03301	MPM Greenhouse Roof Structure															
MPM	WM03401	MPM Pan Museum Fire Suppressions and Separations															
MPM	WM03701	MPM Dome Planetarium Roof Replacement															
MPM	WM03501	New Passenger Elevator	873,554		873,554												
MPM	WM03601	Air Handling Unit Frequency Drive Replacement				355,269		355,269			355,269						
MPM	WM03801	MPM Technology Infrastructure Replacement				600,000		600,000			600,000						
MPM	WM03901	MPM Fire Panel Replacement				1,120,457		1,120,457			1,120,457						
MPM	WM04001	MPM Analog Camera Replacement with Digital															
MPM	WM04401	MPM Fresh Air Tunnel Modernization															
MPM	WM04501	MPM HVAC - Blvd/Main Hall Replacement															
MPM	WM04601	MPM Loading Dock and Overhead Door Replacement															
MPM	WM04701	MPM High Pressure Steam Line Replacement															
MPM	WM04801	MPM Loading Dock Exterior Facade															
<b>MPM Capital Project Funding by YEAR:</b>			<b>873,554</b>	<b>0</b>	<b>873,554</b>	<b>5,427,068</b>	<b>0</b>	<b>5,427,068</b>	<b>8,304,118</b>	<b>0</b>	<b>8,304,118</b>	<b>5,450,000</b>	<b>0</b>	<b>5,450,000</b>	<b>1,300,000</b>	<b>0</b>	<b>1,300,000</b>
<b>MPM # of Capital Projects by YEAR:</b>			<b>1</b>	<b>0</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>3</b>

The Table (a) above reflects the 2019 BUDGET appropriations while 2020 - 2023 Capital Improvement Plan Years. Appropriations have only been made for the 2019 BUDGET year. Any 2019 REQ Projects NOT included in the 2019 BUDGET are rolled to 2020.

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**5-Year Capital Improvement Plan by County/Non-County Funding: MC HIST SCTY (a)**

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
MC HIST SCTY	WO13401	Trimborn Farm Bunkhouse Restoration				99,547		99,547									
MC HIST SCTY	WO13601	Trimborn Farm Stone Barn Roof				432,710		432,710									
		<b>MC HIST SCTY Capital Project Funding by YEAR:</b>				532,257	0	532,257	0	0	0	0	0	0	0	0	0
		<b>MC HIST SCTY # of Capital Projects by YEAR:</b>				2	1	3	1	1	1	1	1	1	1	1	1
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									
			0	0	0	432,710		432,710									
			0	0	0	532,257	0	532,257	0	0	0	0	0	0	0	0	0
			0	0	0	99,547		99,547									

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**5-Year Capital Improvement Plan by County/Non-County Funding: MARCUS CNTR (a)**

DEPT	Project	Project Description	2019 - BUDGET		2020		2021		2022		2023	
			County	Non-County	County	Non-County	County	Non-County	County	Non-County	County	Non-County
MARCUS CNTR	WO11701	Marcus Center Roof Replacement			460,000							
MARCUS CNTR	WO50801	Marcus Center - Pedestrian Pavement Replacement	983,506				800,000					
MARCUS CNTR	WO53201	Marcus Center Ujhelein #4 Elevator Modernization							773,000			
MARCUS CNTR	WO88901	Pedestrian Pavement Replacement (2022)			460,000	0	800,000	0	773,000	0		
		<b>MARCUS CNTR Capital Project Funding by YEAR:</b>	<b>983,506</b>	<b>0</b>	<b>460,000</b>	<b>0</b>	<b>800,000</b>	<b>0</b>	<b>773,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>MARCUS CNTR # of Capital Projects by YEAR:</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

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**5-Year Capital Improvement Plan by County/Non-County Funding: CAVT (a)**

DEPT	Project	Project Description	2019 - BUDGET		2020		2021		2022		2023	
			County	Non-County	County	Non-County	County	Non-County	County	Non-County	County	Non-County
CAVT	WG24901	Charles Allis / Villa Terrace Villa Terrace Tile Roof and Wood Soffit Repairs	0	0	249,811	0	249,811	0	0	0	0	0
CAVT	WG25001	Villa Terrace Courtyard Foundation and Drainage	0	0	100,000	0	100,000	100,000	0	100,000	0	100,000
CAVT	WG25201	Charles Allis Great Hall Drainage Survey/Leaking	0	0	100,000	0	100,000	100,000	0	100,000	0	100,000
CAVT	WG25601	Villa Terrace Wrought Iron Restoration	0	0	125,000	0	125,000	125,000	0	100,000	0	100,000
CAVT	WG26201	Charles Allis French Parlor Rehabilitation	0	0	1,462,221	0	1,462,221	125,000	0	0	0	125,000
CAVT	WG26301	Charles Allis Wrought Iron Restoration	0	0	2,011,035	0	2,011,035	0	0	0	0	0
CAVT	WG26801	Charles Allis Facade Repair	0	0	496,989	0	496,989	0	0	0	0	0
CAVT	WG32901	Charles Allis Roof Replacement (Main House)	0	0	4,320,056	0	4,320,056	125,000	0	200,000	0	100,000
CAVT	WG12401	Charles Allis Window and Door Replacement	0	0	0	0	0	0	0	0	0	0
<b>CAVT Capital Project Funding by YEAR:</b>			<b>0</b>	<b>0</b>	<b>4,320,056</b>	<b>0</b>	<b>4,320,056</b>	<b>125,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>100,000</b>
<b>CAVT # of Capital Projects by YEAR:</b>			<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>

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**5-Year Capital Improvement Plan by County/Non-County Funding: DAS-FM-EE (a)**

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
DAS-FM-EE	WV04801	County-wide Sanitary Sewers Repairs-Pin Plchlrd															
DAS-FM-EE	WV04901	County-wide Sanitary Sewers Repairs-2019	149,998		149,998	150,000		150,000	150,000		150,000		150,000	100,000		100,000	100,000
DAS-FM-EE	WV01201	Pond and Lagoon Demonstration Project												1,600,000		1,600,000	
DAS-FM-EE	WV01601	NR216 Stormwater TSS Controls												1,068,000		1,068,000	1,068,000
DAS-FM-EE	WV04101	Oak Creek Skate Lift station				350,000		350,000									
DAS-FM-EE	WV04301	Oakwood Lift Station Upgrade							250,000								
DAS-FM-EE	WV04401	Mitchell Park Lift Station Upgrade												250,000		250,000	
DAS-FM-EE	WV04501	HOC-WWTP Demolition															
DAS-FM-EE	WV02101	Oak Creek Streambank Stabilization				66,699		66,699									
DAS-FM-EE	WV04601	Warminot Park Gun Club Remediation	241,017		241,017				521,873								
DAS-FM-EE	WV04701	Freemming Park Pavilion Water & Sanitary				408,368		408,368									
DAS-FM-EE	WV03801	Dretzka Park Lift Station				159,803		159,803									
DAS-FM-EE	WV05001	Lead Pipe Lateral Assessment							193,200								
DAS-FM-EE	WV05101	Lead Pipe Lateral Replacement Placeholder							1,622,845								
<b>DAS-FM-EE Capital Project Funding by YEAR:</b>			<b>391,015</b>	<b>0</b>	<b>391,015</b>	<b>1,134,870</b>	<b>0</b>	<b>1,134,870</b>	<b>1,622,845</b>	<b>0</b>	<b>1,622,845</b>	<b>0</b>	<b>3,284,199</b>	<b>1,613,000</b>	<b>0</b>	<b>1,613,000</b>	<b>150,000</b>
<b>DAS-FM-EE # of Capital Projects by YEAR:</b>			<b>2</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>4</b>

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**5-Year Capital Improvement Plan by County/Non-County Funding: DAS-IMSD (a)**

DEPT	Project	Project Description	2019 - BUDGET		2020		2021		2022		2023	
			County	Non-County	County	Non-County	County	Non-County	County	Non-County	County	Non-County
DAS-IMSD	WG19201	Asset Protection-Computer Replacement-Pln P1chdr	1,765,000	718,685	718,685	718,685						
DAS-IMSD	WG21701	Phone and Voicemail Replacement	6,885,645	1,765,000	1,765,000	1,765,000						
DAS-IMSD	WG60201	Enterprise Platform Modernization		250,000	250,000	250,000						
DAS-IMSD	WG19601	Wireless Infrastrctr Cnty Bldgs-Plan Placeholder					250,000		250,000			250,000
DAS-IMSD	WG19701	Wireless Infrastrctr Cnty Bldgs-Phase 1										
DAS-IMSD	WG17601	Mainframe Retirement										
DAS-IMSD	WG31901	Data Center Remediation										
DAS-IMSD	WG32101	Enterprise Video Surveillance Program	1,633,076	750,000	750,000	750,000						
DAS-IMSD	WG19301	Asset Protection-Computer Replacements-Phase 1										
DAS-IMSD	WG29801	Asset Protection-Security Subscriptions-Pln P1hd										
DAS-IMSD	WG29901	Asset Protection-Remediation Services-Phase 1										
DAS-IMSD	WG30001	Asset Protection-Remediation Services-Pln P1hdr										
DAS-IMSD	WG33001	IMSD Operational Enhancements										
DAS-IMSD	WG32801	Enterprise Salesforce										
DAS-IMSD	WG33101	Intranet Upgrades 2 & 3										
<b>DAS-IMSD Capital Project Funding by YEAR:</b>			<b>10,283,721</b>	<b>0</b>	<b>6,550,901</b>	<b>0</b>	<b>1,677,000</b>	<b>0</b>	<b>1,050,000</b>	<b>0</b>	<b>1,050,000</b>	<b>0</b>
<b>DAS-IMSD # of Capital Projects by YEAR:</b>			<b>3</b>	<b>10</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>

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**5-Year Capital Improvement Plan by County/Non-County Funding: DAS-OPD (a)**

DEPT	Project	Dept of Administrative Services - Office of Persons w/ Disabilities Project Description	2019 - BUDGET		2020		2021		2022		2023	
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County
DAS-OPD	WG18801	Countywide ADA Repairs-Planning/Placeholder	0	0	0	500,000	500,000	500,000	500,000	500,000	0	0
DAS-OPD	WG18901	Countywide ADA Repairs-2019	0	0	0	569,378	569,378	500,000	500,000	500,000	0	0
DAS-OPD	WG22701	WOW-Grant Rec Ctr Siding & Window Replacement	0	0	0	238,698	238,698	500,000	500,000	500,000	0	0
		<b>DAS-OPD Capital Project Funding by YEAR:</b>				<b>1,308,076</b>	<b>1,308,076</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>
		<b>DAS-OPD # of Capital Projects by YEAR:</b>				<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

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**5-Year Capital Improvement Plan by County/Non-County Funding: OAAA (a)**

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
OAAA	WO29401	Repository-Community Engagement System	0	0	0	150,000	0	150,000	0	0	0	0	0	0	0	0	0
OAAA	WO29501	Legislative-Policy Management System	0	0	0	150,000	0	150,000	0	0	0	0	0	0	0	0	0
		<b>OAAA Capital Project Funding by YEAR:</b>				<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>OAAA # of Capital Projects by YEAR:</b>				<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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**5-Year Capital Improvement Plan by County/Non-County Funding: SHERIFF (a)**

DEPT	Office of the Sheriff	2019 - BUDGET			2020			2021			2022			2023		
		County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
SHERIFF	Project															
SHERIFF	WCL0601	CJF Dirty Linen Receiving Area			221,174		221,174									
SHERIFF	WCL0701	CJF Booking Room and Tower Remodeling														
SHERIFF	WCL0801	CJF Sally Port Doors Replacement			230,000		230,000									
SHERIFF	WO16901	Training Academy Roof Repairs			453,000		453,000									
SHERIFF	WO17001	Training Academy Tactical House														
SHERIFF	WO44901	Automated License Plate Readers			180,000		180,000									
SHERIFF	WO46901	PSB Fast ID Remote Booking (50 Units)			215,000		215,000									
SHERIFF	WO47001	CJF - Instant Full Body Scan Machine														
SHERIFF	WO47101	CJF Key Watcher System			100,000		100,000									
SHERIFF	WO47801	Sheriff PSB CID Computer Hardware/Software			125,000		125,000									
SHERIFF	WO47901	CJF Kitchen Upgrades														
SHERIFF	WO48001	CJF Jail Records Area Remodeling														
SHERIFF	WO48101	CJF Jail Antenna Installation														
SHERIFF	WO48201	CJF Roof Antenna Installation														
SHERIFF	WO48301	CJF Housing Video System														
SHERIFF	WO48301	CJF Pneumatic Tube System Repairs														
SHERIFF	WO48301	CJF Pod 4D Renovations			150,000		150,000									
SHERIFF	WO48501	CJF Secure Doors in Dock Area														
SHERIFF	WO48801	CJF Secure Doors in Dock Area														
SHERIFF	WO49201	Sheriff PSB Predictive Analytics			429,980		429,980									
SHERIFF	WO49701	Training Academy Security Improvement			160,520		160,520									
SHERIFF	WO49901	CJF Pod 4B Food Chutes			147,743		147,743									
SHERIFF	WO49901	CJF Pod 4B Food Chutes			151,400		151,400									
SHERIFF	WO49901	Training Academy HVAC-Plumbing Replacements			500,000		500,000									
SHERIFF	WO49901	Training Academy HVAC-Plumbing Replacements			340,000		340,000									
SHERIFF	WO17901	MCSO Voice Analytics														
SHERIFF	WO49101	Lakefront Cameras & Video Analytics														
SHERIFF	WO27601	Sheriff Radio Replacement Placeholder														
SHERIFF	WO27701	Sheriff Radio Replacement-2019														
SHERIFF	WO277401	CJF Electronically Controlled Toilets														
SHERIFF	WO20001	Training Academy Parking Lot Replacement			1,527,083		1,527,083									
SHERIFF	WO30001	Courts Videoconferencing														
SHERIFF	WO28701	Sheriff Arbitrator Replacements-2019			318,803		318,803									
SHERIFF	WO29601	Sheriff Arbitrator Replacements-Plan P1chldr			270,000		270,000									
SHERIFF	WO28901	CJF Intercoms and Door Controls Replacement			1,000,000		1,000,000									
SHERIFF	WO29301	Sheriff Foreclosure Sale & Posting Solution			147,000		147,000									
SHERIFF	WO63801	CCFC Camera System-Phase 3			631,913		631,913									
		<b>SHERIFF Capital Project Funding by YEAR:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,888,616</b>	<b>6,888,616</b>	<b>0</b>	<b>1,180,000</b>	<b>1,180,000</b>	<b>0</b>	<b>870,000</b>	<b>870,000</b>	<b>0</b>	<b>770,000</b>	
		<b>SHERIFF # of Capital Projects by YEAR:</b>				<b>18</b>		<b>4</b>			<b>3</b>			<b>2</b>		

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**5-Year Capital Improvement Plan by County/Non-County Funding: HOC (a)**

DEPT	Project	Project Description	2019 - BUDGET		2020		2021		2022		2023		Total
			County	Non-County	County	Non-County	County	Non-County	County	Non-County	County	Non-County	
HOC	WJ08001	HOC Video Visitation System											
HOC	WJ08301	HOC Security System Replacement											
HOC	WJ08401	HOC Steel and Glass Greenhouse			565,000				335,000				335,000
HOC	WJ10201	HOC Boiler House Window Replacement											
HOC	WJ10301	HOC Surges Building Roof Replacement											
HOC	WJ10401	HOC Lotter Building Roof Replacement											
HOC	WJ07901	HOC New Parking Oreidele Secure Perimeter			902,714				503,537				503,537
HOC	WJ10801	HOC Camera Storage - SAN Upgrade			279,829								
HOC	WJ10901	HOC North Building (G2) Roof Replacement	368,402										
			<b>368,402</b>	<b>0</b>	<b>1,747,543</b>	<b>0</b>	<b>0</b>	<b>503,537</b>	<b>335,000</b>	<b>0</b>	<b>0</b>	<b>508,732</b>	<b>508,732</b>
			<b>1</b>	<b>3</b>	<b>1,747,543</b>	<b>0</b>	<b>1</b>	<b>503,537</b>	<b>335,000</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>508,732</b>

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**5-Year Capital Improvement Plan by County/Non-County Funding: EMERGENCY MNGT (a)**

DEPT	Project	Project Description	2019 - BUDGET		2020		2021		2022		2023	
			County	Non-County	County	Non-County	County	Non-County	County	Non-County	County	Non-County
		Office of Emergency Management	192,600		192,600							
EMERGENCY MNGT	WG30301	Public Safety Data Interoperability										
EMERGENCY MNGT	WG26701	Communications Info-Video Wall	164,660		164,660							
EMERGENCY MNGT	WG26801	Radio Site Relocation-US Bank to Couture Bldg.	250,000		250,000							
EMERGENCY MNGT	WG26901	Mechanical CPR Devices	810,000		810,000							
EMERGENCY MNGT	WG27001	700MHz Back-Up Radio System (County)-Phase 1	750,500		750,500							
EMERGENCY MNGT	WG27301	Cardiac Monitors										
EMERGENCY MNGT	WG49801	800MHz Doppler System	150,000		150,000			810,000				
EMERGENCY MNGT	WG32201	Mechanical CPR Devices Planning Placeholder										
EMERGENCY MNGT	WG28801	Adaptive Emergency Operations Center	135,485		135,485			775,000				
EMERGENCY MNGT	WG29201	700MHz Back-Up Radio System (County)-Phase 2						1,585,000				
		<b>EMERGENCY MNGT Capital Project Funding by YEAR:</b>	<b>192,600</b>	<b>0</b>	<b>192,600</b>	<b>0</b>	<b>2,260,645</b>	<b>0</b>	<b>1,585,000</b>	<b>0</b>	<b>1,500,000</b>	<b>0</b>
		<b>EMERGENCY MNGT # of Capital Projects by YEAR:</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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**5-Year Capital Improvement Plan by County/Non-County Funding: ME (a)**

DEPT	Project	Project Description	2019 - BUDGET		2020		2021		2022		2023	
			County	Non-County	County	Non-County	County	Non-County	County	Non-County	County	Non-County
ME	W026501	Medical Examiner Case Management Software	0	0	228,800	0	228,800	0	0	0	0	0
ME	W032701	Kodachrome Slides Digital Conversion	0	0	237,075	0	237,075	0	0	0	0	0
		<b>ME Capital Project Funding by YEAR:</b>			465,875	0	465,875	0	0	0	0	0
		<b>ME # of Capital Projects by YEAR:</b>			2	0	0	0	0	0	0	0

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**5-Year Capital Improvement Plan by County/Non-County Funding: DHHS-BHD (a)**

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
DHHS-BHD	WED04101	BHD Air Handling System				1,447,418		1,447,418									
DHHS-BHD	WED04201	BHD Window Replacement				441,577		441,577	1,409,083			1,409,083					
DHHS-BHD	WED05501	BHD Bathroom Bldg Settling Repair & Replacement															
DHHS-BHD	WED05801	BHD-ACT System Renewal				269,499		269,499									
DHHS-BHD	WED06001	BHD-VCT 4 Renewal				129,043		129,043									
DHHS-BHD	WED06101	BHD-Door Assembly Replacement							1,009,699			1,009,699					
DHHS-BHD	WED06301	BHD-Fire Damper Replacement															
DHHS-BHD	WED03701	MHC-Repave Parking Lots X-32 A, B, & C				1,647,625		1,647,625									
DHHS-BHD	WED04001	BHD Roof Repair				1,174,517		1,174,517									
DHHS-BHD	WED06501	Mental Health Complex New Generator				3,000,000		3,000,000									
DHHS-BHD	WED06601	BHD Air Handling System Planning Pchldr															
		<b>DHHS-BHD Capital Project Funding by YEAR:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,109,679</b>	<b>0</b>	<b>8,109,679</b>	<b>5,418,782</b>	<b>0</b>	<b>5,418,782</b>	<b>3,865,484</b>	<b>0</b>	<b>3,865,484</b>	<b>5,083,648</b>	<b>0</b>	<b>5,083,648</b>
		<b>DHHS-BHD # of Capital Projects by YEAR:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>3</b>

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**5-Year Capital Improvement Plan by County/Non-County Funding: DHHS (a)**

DEPT	Project	Project Description	2019 - BUDGET			2020			2021			2022			2023		
			County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total	County	Non-County	Total
DHHS	WS10201	Control Center Panel Replacement	0	0	0	130,000	0	130,000	0	0	0	0	0	0	0	0	0
DHHS	WG03601	DHHS Document Scanning	0	0	0	110,000	0	110,000	0	0	0	0	0	0	0	0	0
		<b>DHHS Capital Project Funding by YEAR:</b>				<b>240,000</b>	<b>0</b>	<b>240,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>DHHS # of Capital Projects by YEAR:</b>				<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

The Table (a) above reflects the 2019 BUDGET appropriations while 2020 - 2023 Capital Improvement Plan Years. Appropriations have only been made for the 2019 BUDGET year. Any 2019 REQ Projects NOT included in the 2019 BUDGET are rolled to 2020.

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**5-Year Capital Improvement Plan by County/Non-County Funding: AGING (a)**

DEPT	Project	Project Description	2019 - BUDGET		2020		2021		2022		2023	
			County	Non-County	County	Non-County	County	Non-County	County	Non-County	County	Non-County
AGING	WS11201	Rose Center Multipurpose Rm Fire Separation										
AGING	WS04801	Rose Senior Center Roof Replacement			103,000							
AGING	WS11101	Wilson Senior Center Access Lighting			123,791							
AGING	WS05101	McGovern Senior Center Flooring and Ceiling Repl										
AGING	WS05301	Kelly Senior Center Fitness Area Restrooms					309,000					
AGING	WS05501	Kelly SC HVAC Unit					422,300					
AGING	WS05901	Rose Senior Center New Kitchen			126,690		174,070					
AGING	WS06201	Wilson Senior Center Restroom Updates										
AGING	WS06701	Kelly SC Center Window Renovations										
AGING	WS10001	Rose Senior Center Restroom Renovation										
AGING	WS04005	McGovern Main Kitchen Replacement										
AGING	WS11601	Washington Senior Center Access Lighting			136,167							
AGING	WS10901	ARC Call Center Phone System Replacement			103,000							
AGING	WS11701	Wilson Park Senior Center Chiller Replacement										
AGING	WS11801	McGovern Sr Center Restroom ADA Updates	288,066									
AGING	WS12001	Washington Sr Ctr Ventilator, Unit Heat, Chiller	413,450									
AGING	WS12101	Senior Centers - Boiler Heating Redundancy										
AGING	WS12201	Senior Centers - Exhaust Fan Renovation										
<b>AGING Capital Project Funding by YEAR:</b>			<b>701,516</b>	<b>0</b>	<b>701,516</b>	<b>0</b>	<b>905,370</b>	<b>0</b>	<b>1,047,467</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>
<b>AGING # of Capital Projects by YEAR:</b>			<b>2</b>	<b>7</b>	<b>942,648</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>1</b>
			<b>942,648</b>	<b>0</b>	<b>905,370</b>	<b>0</b>	<b>905,370</b>	<b>0</b>	<b>1,047,467</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>

The Table (a) above reflects the 2019 BUDGET appropriations while 2020 - 2023 Capital Improvement Plan Years. Appropriations have only been made for the 2019 BUDGET year. Any 2019 REQ Projects NOT included in the 2019 BUDGET are rolled to 2020.

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## Appendix A

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REVISED



DEPARTMENT OF ADMINISTRATIVE SERVICES  
*Milwaukee County*

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REPORT

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TO: Supervisor Theodore Lipscomb, Sr., Chairman, County Board of Supervisors  
FROM: Teig Whaley-Smith, Director, Department of Administrative Services  
RE: Wisconsin Volkswagen Settlement Mitigation Trust Fund Grant Program Application  
DATE: August 6, 2018

---

**I. SUMMARY REQUEST**

The State of Wisconsin (State) received \$67.1 million of Mitigation Trust Funds from the national settlement with Volkswagen (VW) Corporation. Of the \$67.1 million, \$32.0 million has been designated by the State as a competitive statewide transit capital assistance grant program (Grant Program) to fund the replacement of eligible public transit vehicles. As a condition of the Grant Program (§ 79.035(7)), award recipients would receive a reduction in State Shared Revenue (Shared Revenue) of 75% of the actual award amount amortized over a 10-year period.

Milwaukee County (County) anticipates bond financing bus replacements of approximately \$21.3 million and \$2.6 million of federal funding (for 49 buses in total) that were part of the 2018 Adopted Capital Improvement Budget and anticipated bus replacements for 2019<sup>1</sup>. Upon review by the County's Department of Transportation-Transit/Paratransit Division (DOT-Transit) staff, these 49 buses would be eligible for the Grant Program. If the County applied for and received full Grant Program funding, estimated principal and interest savings (from not bonding for the eligible buses) of \$27.7 million is anticipated along with reduced Shared Revenue of \$17.7 million. This results in an estimated (nominal) net savings of just under \$10 million (and a net present value savings of \$6.9 million) over a 15-year period. The federal funding (included in the 2018 Adopted Capital Improvements Budget) would be reduced in a like amount and would be available to DOT-Transit for future capital expenditures.

**II. BACKGROUND**

Volkswagen Group of America and certain related entities (collectively Volkswagen or VW) admitted to violating the federal Clean Air Act (CAA) from 2009 through 2016 by selling nearly 590,000 2.0-liter and 3.0-liter diesel engine vehicles equipped with software designed to cheat on federal emission tests. This software activated the vehicle emission control devices only during laboratory testing. As a result, the vehicles met CAA emissions standards for nitrogen oxides (NOx) in the lab, but not on the road. Volkswagen entered judicial consent decrees to partially settle its civil liability for the CAA violations. Under these decrees, Volkswagen must pay more than \$2.9 billion into an Environmental Mitigation Trust Fund (Trust) administered by Wilmington Trust, N.A (Trustee). The State of Wisconsin received beneficiary designation status from the

---

<sup>1</sup> The 2019 Requested Capital Improvement Budget (capital project WT12101) from DOT includes 21 buses that would be eligible for the Grant Program and 6 buses that would not be eligible (total of 27 bus replacements).

Trustee on January 29, 2018 and will receive \$67.1 million over the next ten years to offset excess NOx pollution emitted by affected VW vehicles in Wisconsin.

The State's Department of Administration (DOA) is the lead agency to develop and implement a Beneficiary Mitigation Plan (BMP) that explains how Wisconsin plans to use its allocated Trust funds. The State Budget Bill, 2017 Wisconsin Act 59, authorizes not less than \$42 million of Wisconsin's allocation to be utilized beginning in the 2017-19 biennium to replace eligible state fleet vehicles and establish a DOA-led competitive statewide transit capital assistance grant program to fund the replacement of eligible public transit vehicles. The State of Wisconsin will seek public input for the use of the remaining allocation in subsequent years.

In 2017, Wisconsin Act 59 established the Transit Capital Assistance Grant Program to competitively award up to \$32 million to eligible applicants to replace eligible public transit vehicles, giving preference to communities or routes that DOA determines are critical for connecting employees with employers.<sup>2</sup> The program carries out the purposes of the Trust by replacing and scrapping old diesel buses to maximize air quality benefits in Wisconsin, including reduction of NOx and PM2.5.

The program will fund the replacement of 1992-2009 engine model year transit buses with any new diesel or alternate fueled or all-electric vehicle, with the engine model year in which the eligible bus mitigation action occurs or one engine model year prior. In addition, the program will fund the scrapping of any replaced bus(es) within 90 days of accepting delivery of the replacement bus(es).

### **III. ANALYSIS**

Funding bus replacements using Grant Program revenue as opposed to County bond financing allows the County to forgo interest costs associated bond financed projects (typically amortized over a 15-year period). This presents an opportunity for the County to save on debt service payments (see Figure 1 on page 3) with an estimated (nominal) net savings of just under \$10 million (and a net present value savings of \$6.9 million).

The Milwaukee County - Department of Transportation (DOT) has determined that 49 transit buses currently in Milwaukee County Transit System (MCTS) service are eligible for the Grant Program. The County anticipates a Grant Program application of approximately \$23.9 million to replace County bond financing of the buses with Grant Program funding:

- MCTS Bus Replacement Program – Grant Program funding requested for 28 eligible buses included in the 2018 Adopted Capital Improvement Budget under capital project WT10401 (\$10,850,915 Bond Financed); (\$2,649,085 Federal Grant Reimbursements)
- MCTS Bus Replacement Program – funding requested for the anticipated replacement of 21 eligible buses (as part of the 2019 Capital Improvement Budget process; \$10,395,000)

Grant Program funds will be used to supplant County bond issuance(s) for the bus replacements (\$21.3 million) and federal grant reimbursements (\$2.6 million) noted previously. The federal grant reimbursement amount will be reduced \$2.6 million and would be available for future DOT-Transit capital expenditures. Concurrently, the State will reduce its Shared Revenue amount to the County by an average \$1.6 million per year for 10 years pursuant to the Grant Program rules (see Figure 1 on page 3 for estimated annual Shared Revenue reductions).

**The County must include resolution language stating it will accept a Shared Revenue reduction based on the Grant Program criteria as identified in § 79.035(7).<sup>3</sup>**

<sup>2</sup> State of Wisconsin - VW Mitigation Program (Transit Capital Assistance Grant Application) Website: <https://doa.wi.gov/Pages/vwsettlementwisconsin.aspx>

<sup>3</sup> For an urban mass transit system that is eligible to receive state aid under s. 85.20 (4m) (a) 6. cm. or d. and serving a population exceeding 200,000, 75 percent of the total amount of grants received under s. 16.047 (4m). Beginning with the first payment due under this section after the county or municipality receives a grant under s. 16.047 (4m), the department of administration shall apply the reduction determined under par. (a) for each county and municipality by reducing 10 consecutive annual payments under this section to the county or municipality by equal amounts. If in any year the reduction under this paragraph for a county or municipality exceeds the payment under this section for the county or municipality, the department of administration shall apply the excess amount of the reduction to the payment to the county or municipality under s. 79.04.

The projections in this report are subject to change based on Grant Program rules and award dates. Therefore, the Shared Revenue reduction start/end date(s) assume a January 2020 start date and December 2030 end date (subject to §16.047).

**Figure 1**

Year	Est DS Payment Savings		Reduction in State Shared	Property Tax Levy (Increase) / Reduction	Net Present Value to County
	2018	2019			
2019	\$0	\$0	\$0	\$0	\$0
2020	\$1,171,235	\$0	(\$993,140)	\$178,095	\$172,355
2021	\$1,084,988	\$1,135,695	(\$1,772,765)	\$447,918	\$419,513
2022	\$1,060,346	\$1,052,334	(\$1,772,765)	\$339,915	\$308,099
2023	\$1,035,704	\$1,028,358	(\$1,772,765)	\$291,297	\$255,523
2024	\$1,011,062	\$1,004,382	(\$1,772,765)	\$242,679	\$206,015
2025	\$986,420	\$980,406	(\$1,772,765)	\$194,061	\$159,433
2026	\$961,778	\$946,430	(\$1,772,765)	\$135,443	\$107,689
2027	\$937,136	\$922,787	(\$1,772,765)	\$87,158	\$67,065
2028	\$912,494	\$899,144	(\$1,772,765)	\$38,873	\$28,947
2029	\$887,852	\$875,501	(\$1,772,765)	(\$9,412)	(\$6,783)
2030	\$863,210	\$851,858	(\$779,625)	\$935,443	\$652,419
2031	\$838,568	\$828,215	\$0	\$1,666,783	\$1,125,024
2032	\$813,926	\$804,572	\$0	\$1,618,498	\$1,057,228
2033	\$789,284	\$780,929	\$0	\$1,570,213	\$992,633
2034	\$764,642	\$757,286	\$0	\$1,521,928	\$931,103
2035	\$0	\$733,643	\$0	\$733,643	\$434,372
<b>TOTAL</b>	<b>\$14,118,645</b>	<b>\$13,601,540</b>	<b>(\$17,727,654)</b>	<b>\$9,992,531</b>	<b>\$6,910,635</b>

**Assumptions:**

- 1.) State reimbursements of \$10.9M in 2018 and \$10.4M in 2019; State reimbursement to supplant Bonding.
- 2.) State Shared Revenue reduction spread over 10 years.
- 3.) See Attachment 2 - FAQs-Transit Capital Assistance Grant (p.5) for Shared Revenue reduction example from the State.

*Figure 1: The chart above reflects the financial impact of the Grant Program award over time. It includes the 15-year period, estimated debt service payment savings, the reduction in state shared revenue over 10 years and the impact on the County property tax levy. The final column reflects the net present value of savings is the County is awarded the full grant request.*

**If the County moves forward with the Grant Program as illustrated in this report, it is recommended that beginning in 2020 (through 2030), the Adopted Budget(s) include a reduction of Shared Revenue relative to any awarded Grant Program revenue.**

The net tax levy savings assumes bonding of \$23.9 million is supplanted by Grant Program revenue and is not issued to finance other bond eligible projects. If the supplanted bonds are re-purposed and issued for other bond eligible projects, the net tax levy would increase from the estimate(s) illustrated in Figure 1.

**IV. RECOMMENDATION**

The Department of Administrative Services and DOT request authorization to submit an application to the State's Transit Capital Assistance Grant to provide funding for 49 eligible buses, execute the Grant Program contract, receive awarded Grant Program revenue, and make administrative appropriation transfers upon receipt of the Grant Program award.

Approved by:



---

Teig Whaley-Smith, Director  
Department of Administrative Services

Cc: Chris Abele, County Executive  
Raisa Koltun, Chief of Staff, County Executive's Office  
Kelly Bablitch, Chief of Staff, County Board  
County Board  
Joe Lamers Director, DAS-PSB  
Donna Brown-Martin, Director, Department of Transportation  
Scott B. Manske, Comptroller

1 (Item 18-640) From the Director, Department of Administrative Services (DAS),  
2 requesting authorization to submit an application for the State of Wisconsin's Transit  
3 Capital Assistance Grant Program (Grant Program) to aid in the financing of eligible bus  
4 replacements;

5  
6  
7 **A RESOLUTION**  
8

9 WHEREAS, Volkswagen Group of America and certain related entities  
10 (collectively Volkswagen or VW) admitted to violating the federal Clean Air Act (CAA)  
11 from 2009 through 2016 by selling nearly 590,000 2.0-liter and 3.0-liter diesel engine  
12 vehicles equipped with software designed to cheat on federal emission tests. This  
13 software activated the vehicle emission control devices only during laboratory testing.  
14 As a result, the vehicles met CAA emissions standards for nitrogen oxides (NOx) in the  
15 lab, but not on the road; and,  
16

17 WHEREAS, Volkswagen Group of America and certain related entities  
18 (collectively Volkswagen or VW) entered judicial consent decrees to  
19 partially settle its civil liability for the CAA violations. Under these decrees, Volkswagen  
20 must pay more than \$2.9 billion into an Environmental Mitigation Trust Fund (Trust)  
21 administered by Wilmington Trust, N.A (Trustee); and,  
22

23 WHEREAS, the State of Wisconsin received beneficiary designation status from  
24 the Trustee on January 29, 2018 and will receive \$67.1 million over the next ten years  
25 to offset excess NOx pollution emitted by affected VW vehicles in Wisconsin; and,  
26

27 WHEREAS, the State of Wisconsin - Department of Administration (DOA) is the  
28 lead agency to develop and implement a Beneficiary Mitigation Plan (BMP) that  
29 explains how Wisconsin plans to use its allocated Trust funds.; and,  
30

31 WHEREAS, the State Budget Bill, 2017 Wisconsin Act 59, authorizes not less  
32 than \$42 million of Wisconsin's allocation to be utilized beginning in the 2017-19  
33 biennium to replace eligible state fleet vehicles and establish a DOA-led competitive  
34 statewide transit capital assistance grant program to fund the replacement of eligible  
35 public transit vehicles; and,  
36

37 WHEREAS, In 2017, Wisconsin Act 59 established the Transit Capital  
38 Assistance Grant Program to competitively award up to \$32 million to eligible applicants  
39 to replace eligible public transit vehicles, giving preference to communities or routes that  
40 DOA determines are critical for connecting employees with employers; and,  
41

42 WHEREAS, the program carries out the purposes of the Trust by replacing and  
43 scrapping old diesel buses to maximize air quality benefits in Wisconsin, including  
44 reduction of NOx and PM2.5; and,  
45

46 WHEREAS, the program will fund the replacement of 1992-2009 engine model  
47 year class 4-8 transit buses with any new diesel or alternate fueled or all-electric  
48 vehicle, with the engine model year in which the eligible bus mitigation action occurs or  
49 one engine model year prior; and,

50  
51 WHEREAS, per Section 56.06 of the Milwaukee County General Ordinances,  
52 authorization is required from the County Board to apply for and execute discretionary  
53 federal or state grants that require a local match; and,

54  
55 WHEREAS, the State of Wisconsin Department of Administration (DOA)  
56 provided notice and application guidelines for Grant Program; and,

57  
58 WHEREAS, the Milwaukee County (County) Department of Transportation (DOT)  
59 is prepared to submit an application for eligible bus replacements prior to the  
60 September 28, 2018 deadline; and,

61  
62 WHEREAS, the bus replacements have been chosen based on eligibility  
63 requirements set forth in the Grant Program funding; and,

64  
65 WHEREAS, the bus replacements prepared to be submitted is as follows:

- 66
- 67 • MCTS Bus Replacement Program – funding requested for 28 eligible  
68 buses included in the 2018 Adopted Capital Improvement Budget under  
69 capital project WT10401 (\$10,850,915 Bond Financed); (\$2,649,085  
70 Federal Grant Reimbursements)
  - 71
  - 72 • MCTS Bus Replacement Program – funding requested for the anticipated  
73 replacement of 21 eligible buses in the (expected as part of the 2019  
74 Capital Improvement Budget process; \$10,395,000); and,

75  
76 WHEREAS, it is anticipated that Adopted Budget(s) will include a reduction of  
77 State Shared Revenue over a 10-year period pursuant to the Grant Program guidelines;  
78 and,

79  
80 WHEREAS, the Grant Program “Calendar of Events” section cites a “Notification  
81 of Intent to Award” by October 15, 2018 and grant agreement start date of December 1,  
82 2018; now, therefore,

83  
84 BE IT RESOLVED, the DAS Director (and/or the DAS Director designee), is  
85 hereby authorized and directed to submit an application for the Grant Program, execute  
86 the necessary Grant Program contract, and receive awarded funding for the Grant  
87 Program; and,

88  
89 BE IT FURTHER RESOLVED, the DAS and the Office of the Comptroller are  
90 authorized and directed to perform administrative appropriation transfers to exchange  
91 the 2018 adopted bond and federal grant reimbursement financing in capital project

92 WT10401-Bus Replacement Program and anticipated 2019 eligible bus replacements  
93 that are bond financed based on the actual Grant Program award that is received; and,  
94  
95 BE IT FURTHER RESOLVED, if the County is awarded a grant under this State  
96 Grant Program, the County agrees to a reduction in revenue payments pursuant to  
97 §79.035(7), Wis. Stats.

REVISED

18-640

MILWAUKEE COUNTY FISCAL NOTE FORM

DATE: August 6, 2018

Original Fiscal Note

Substitute Fiscal Note

SUBJECT: Authorization to apply for and receive funding from the State of Wisconsin's Transit Capital Assistance Grant Program to aid in the financing of eligible bus replacements.

FISCAL EFFECT:

- No Direct County Fiscal Impact
  - Existing Staff Time Required
- Increase Operating Expenditures (If checked, check one of two boxes below)
  - Absorbed Within Agency's Budget
  - Not Absorbed Within Agency's Budget
- Decrease Operating Expenditures
- Increase Operating Revenues
- Decrease Operating Revenues
- Increase Capital Expenditures
- Decrease Capital Expenditures
- Increase Capital Revenues
- Decrease Capital Revenues
- Use of Contingent Funds

Indicate below the dollar change from budget for any submission that is projected to result in increased/decreased expenditures or revenues in the current year.

	Expenditure or Revenue Category	Current Year (2018)	Subsequent Year (2019)
Operating Budget	Expenditure	0	0
	Revenue	0	0
	Net Cost	0	0
Capital Improvement Budget	Expenditure	0	0
	Revenue	0	0
	Net Cost	0	0

The Expenditure and Revenue fiscal effect is estimated to occur in 2020, therefore, years 2018 and 2019 reflect a fiscal effect of \$0.

## DESCRIPTION OF FISCAL EFFECT

In the space below, you must provide the following information. Attach additional pages if necessary.

- A. Briefly describe the nature of the action that is being requested or proposed, and the new or changed conditions that would occur if the request or proposal were adopted.
- B. State the direct costs, savings or anticipated revenues associated with the requested or proposed action in the current budget year and how those were calculated.<sup>1</sup> If annualized or subsequent year fiscal impacts are substantially different from current year impacts, then those shall be stated as well. In addition, cite any one-time costs associated with the action, the source of any new or additional revenues (e.g. State, Federal, user fee or private donation), the use of contingent funds, and/or the use of budgeted appropriations due to surpluses or change in purpose required to fund the requested action.
- C. Discuss the budgetary impacts associated with the proposed action in the current year. A statement that sufficient funds are budgeted should be justified with information regarding the amount of budgeted appropriations in the relevant account and whether that amount is sufficient to offset the cost of the requested action. If relevant, discussion of budgetary impacts in subsequent years also shall be discussed. Subsequent year fiscal impacts shall be noted for the entire period in which the requested or proposed action would be implemented when it is reasonable to do so (i.e. a five-year lease agreement shall specify the costs/savings for each of the five years in question). Otherwise, impacts associated with the existing and subsequent budget years should be cited.
- D. Describe any assumptions or interpretations that were utilized to provide the information on this form.
  - A. The action being requested is authorization to submit an application and to receive awarded funding (\$23.9 million) for the State of Wisconsin's (State) Transit Capital Assistance Grant Program (Grant Program) for eligible transit bus replacements (49 in total).
  - B. It is anticipated that beginning in 2019, Grant Program funds will be used to supplant Milwaukee County (County) bond issuance(s) and federal grant reimbursement for the bus replacements.

Federal grant reimbursement revenue of \$2.6 million (included in the 2018 Adopted Capital Budget) will be reduced by \$2.6 million from capital project WT10401 and would be available for future capital expenditures. The \$2.6 million of federal grant reimbursement revenue will be supplanted by Grant Program funding to replace 5 buses.

Estimated debt service payments (for bond financing) for 44 buses is \$27.7 million over a 15-year period. Concurrently, the State is estimated to reduce its Shared Revenue amount to the County by approximately \$1.6 million per year (on average) for 10 years pursuant to the Grant Program rules. The net result over a 15-year period is estimated (nominal) total net savings of \$9.99 million (\$6.9 million present value).

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<sup>1</sup> If it is assumed that there is no fiscal impact associated with the requested action, then an explanatory statement that justifies that conclusion shall be provided. If precise impacts cannot be calculated, then an estimate or range should be provided.

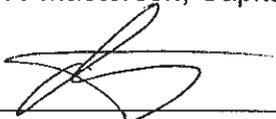
<sup>2</sup> Community Business Development Partners' review is required on all professional service and public work construction contracts.

C. There is no anticipated budgetary impact in 2018.

- D. 1. Assumption is made that the County receives 100% of Grant Program reward requested (\$ 23.9 million) for the 49 eligible buses. Actual bonds and federal grant reimbursement exchanged for Program Grant revenue is dependent upon Program Grant awarded by the State.
2. The fiscal projections represented in the accompanying report are subject to change based on Grant Program rules and award dates. The Shared Revenue reduction start/end date(s) assume a January 2020 start date and December 2030 end date (subject to §16.047).
3. Pursuant to Grant Program guidelines and § 79.035(7), State Shared Revenue would be reduced relative to 75% of the grant amount awarded and then amortized over a 10-year period.
4. Estimated debt service costs are based on replacement of 49 eligible buses with payments spread over a 15-year period. The 2018 Adopted Capital Improvement Budget includes 28 Grant Program eligible buses. The 2019 Capital Budget Request from DOT includes 27 buses in total, of which, 21 are Grant Program eligible.
5. Net tax levy savings assumes that bonds supplanted by Grant Program revenue is not issued and not used to finance other bond eligible projects.

Department/Prepared by: Vince Masterson, Capital Budget Coordinator

Authorized Signature



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Did DAS-Fiscal Staff Review?

Yes  No

Did CDBP Review?<sup>2</sup>

Yes  No  Not Required

GRANT ANNOUNCEMENT  
VW Mitigation Program  
**Transit Capital Assistance Grant Program**

Issued: July 23, 2018  
Applications Due: **September 28, 2018 at 2:00 PM CST**



**VW Mitigation Program  
Transit Capital Assistance Grant Program**

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4.0	Eligibility Requirements	10
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6.0	Project Budget	12
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<b>ATTACHMENTS</b>	
	GRANT APPLICATION (pdf)
APPENDIX A	PROJECT BUDGET (Excel spreadsheet)

## 1.0 GENERAL INFORMATION

### 1.1 Introduction

The purpose of this document is to provide eligible parties with information to prepare and submit a grant application for the replacement of eligible public transit vehicles under the Volkswagen Transit Capital Assistance Grant Program. The State as represented by the Department of Administration (DOA), Division of Enterprise Operations (DEO) intends to use the results of this Grant Announcement to establish one or more grant agreements. DOA intends to award all available Transit Capital Assistance Grant Program funds through this Grant Announcement.

### 1.2 Scope of the Project

#### 1.2.1 History and Background

Volkswagen Group of America and certain related entities (collectively Volkswagen or VW) admitted to violating the federal Clean Air Act (CAA) from 2009 through 2016 by selling nearly 590,000 2.0-liter and 3.0-liter diesel engine vehicles equipped with software designed to cheat on federal emission tests. This software activated the vehicle emission control devices only during laboratory testing. As a result, the vehicles met CAA emissions standards for nitrogen oxides (NOx) in the lab, but not on the road. Volkswagen entered judicial consent decrees to partially settle its civil liability for the CAA violations. Under these decrees, Volkswagen must pay more than \$2.9 billion into an Environmental Mitigation Trust Fund (Trust) administered by Wilmington Trust, N.A (Trustee). The State of Wisconsin received beneficiary designation status from the Trustee on January 29, 2018 and will receive \$67.1 million over the next ten years to offset excess NOx pollution emitted by affected VW vehicles in Wisconsin.

Governor Scott Walker designated the Department of Administration (DOA) as the lead agency to develop and implement a Beneficiary Mitigation Plan (BMP) that explains how Wisconsin plans to use its allocated Trust funds. The State Budget Bill, 2017 Wisconsin Act 59, authorizes not less than \$42 million of Wisconsin's allocation to be utilized beginning in the 2017-19 biennium to replace eligible state fleet vehicles and establish a DOA-led competitive statewide transit capital assistance grant program to fund the replacement of eligible public transit vehicles. The State of Wisconsin will seek public input for the use of the remaining allocation in subsequent years.

#### 1.2.2 Statement of Purpose

2017 Wisconsin Act 59 established the Transit Capital Assistance Grant Program to competitively award up to \$32 million to eligible applicants to replace eligible public transit vehicles, giving preference to communities or routes that DOA determines are critical for connecting employees with employers. The program carries out the purposes of the Trust by replacing and scrapping old diesel buses to maximize air quality benefits in Wisconsin, including reduction of NOx and PM2.5.

The program will fund the replacement of 1992-2009 engine model year class 4-8 transit buses with any new diesel or alternate fueled or all-electric vehicle, with the engine model year in which the eligible bus mitigation action occurs or one engine model year prior. In addition, the program will fund the scrapping of any replaced bus(es) within 90 days of accepting delivery of the replacement bus(es).

#### 1.2.3 Objectives

The State is seeking to achieve four primary objectives with this grant program:

- Replace and scrap eligible public transit vehicles in accordance with the settlement guidelines and applicable state law.
- Replace eligible public transit vehicles in communities or on routes that are critical for connecting employees with employers.

VW Mitigation Program  
Transit Capital Assistance Grant Program

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- Improve air quality in areas that bear a disproportionate share of the air pollution burden within its jurisdiction
- Fund projects that can be implemented efficiently and effectively (cost and time).

1.3 Granting Agency

This Grant Announcement is issued by DOA/DEO which is the sole point of contact for the State of Wisconsin during the selection process. The person responsible for managing the grant process is:

Ben Vondra, Grants Specialist Advanced  
Department of Administration  
Division of Enterprise Operations  
101 East Wilson Street, 6th Floor  
P.O. Box 7867  
Madison, WI 53707-7867

Email: [benjaminh.vondra@wisconsin.gov](mailto:benjaminh.vondra@wisconsin.gov)  
Fax: (608) 261-6262

The agreement(s) resulting from this Grant Announcement will be administered by the Wisconsin Department of Administration.

1.4 Definitions

Applicant	The legal entity that will enter into a Grant Agreement with the Department in the event of an award.
Department	The Department of Administration.
Eligible Applicant	Local public body in an urban area which is served by an urban mass transit system incurring an operating deficit. §85.20(1)(b), Wis. Stats.
Eligible Vehicle	As defined in the Environmental Mitigation Trust Agreement for State Beneficiaries, Appendix D-2, page 12, Eligible Vehicle shall mean a Class 4-8 Transit Bus with a Gross Vehicle Weight Rating (GVWR) greater than 14,001 lbs. used for transporting people. An eligible vehicle must be powered with a 1992-2009 diesel engine.
Gross Vehicle Weight Rating (GVWR)	As defined in the Environmental Mitigation Trust Agreement for State Beneficiaries, Appendix D-2, page 12, Gross Vehicle Weight Rating (GVWR) shall mean the maximum weight of the vehicle, as specified by the manufacturer. GVWR includes total vehicle weight plus fluids, passengers and cargo.
Local Public Body	Counties, municipalities, or towns, or agencies thereof; transit or transportation commissions or authorities and public corporations established by law or by interstate compact to provide mass transportation services and facilities or 2 or more of any such bodies acting jointly under §66.0301 to 66.0303, Wis. Stats. §85.20(1)(d), Wis. Stats.
Mass Transit System	Transportation by bus, shared-ride taxicab, rail, or other conveyance, either publicly or privately owned, that provides the public with general or special service on a regular and continuing basis. §85.20(1)(e), Wis. Stats.
Operating Deficit	The amount by which the total operating expenses incurred in the operation of an urban mass transit system exceeds the amount of operating revenue derived therefrom. §85.20(1)(f), Wis. Stats.

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Operating Expenses	Costs accruing to an urban mass transit system by virtue of its operations, including costs to subsidize fares paid by disabled persons for transportation within the urban area of the eligible applicant, and maintenance. "Operating expenses" do not include costs accruing to an urban mass transit system from services provided by a publicly owned urban mass transit system under a contract awarded on the basis of competitive bids unless the urban mass transit system's bid used the fully allocated cost methodology described in sub. (8). For a publicly owned system, operating expenses do not include profit, return on investment or depreciation as costs. If a local public body contracts for the services of a privately-owned system on the basis of competitive bids, operating expenses may include as costs depreciation on the facilities and equipment that the privately-owned system acquired without benefit of public financial assistance, profit and return on investment. If a local public body contracts for the services of a privately-owned system on the basis of negotiated procurement, operating expenses may include as costs depreciation on the facilities and equipment that the privately-owned system acquired without benefit of public financial assistance. In an urban area which is served exclusively by shared-ride taxicab systems, operating expenses may include costs to subsidize reasonable fares paid by all users for transportation within the urban area of the eligible applicant. §85.20(1)(g), Wis. Stats.
Operating Revenues	Income accruing to an urban mass transit system by virtue of its operations, but do not include income accruing from operations under a contract awarded on the basis of competitive bids to a publicly owned urban mass transit system that did not use the fully allocated cost methodology described in sub. (8). §85.20(1)(h), Wis. Stats.
Scrapping	As defined in the Environmental Mitigation Trust Agreement for State Beneficiaries, Appendix D-2, page 13, scrapping shall mean to render inoperable and available for recycle by, at a minimum, cutting a 3-inch hole in the engine block for all engines and disabling of the chassis by cutting the vehicle's frame rails completely in half. Scrapping of any vehicle(s) shall occur within 90 days of the applicant accepting delivery of the replacement bus(es).
State	The State of Wisconsin.
Urban Area	Any area that includes a city or village having a population of 2,500 or more that is appropriate, in the judgment of the department, for an urban mass transit system or an area that includes two American Indian reservations and that is served by a mass transit system operated by a transit commission. §85.20(1)(k), Wis. Stats.
Urban Mass Transit System	A mass transit system operating within an urban area. §85.20(1)(L), Wis. Stats.
VIN	Vehicle Identification Number

1.5 Clarifications and/or Revisions to the Grant Announcement

All questions and general inquiries **must** be submitted in writing on or before **August 3, 2018** to the Grant Administrator:

Ben Vondra, Grants Specialist Advanced  
Department of Administration  
Division of Enterprise Operations  
101 East Wilson Street, 6<sup>th</sup> Floor  
P.O. Box 7867  
Madison, WI 53707-7867  
Email: [benjaminh.vondra@wisconsin.gov](mailto:benjaminh.vondra@wisconsin.gov)

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**No phone questions or inquiries will be acknowledged to ensure fairness to all applicants in receiving information related to this Grant Announcement.**

Applicants are expected to raise any questions, exceptions, or additions they have concerning the Grant Announcement at this point in the application process. If an applicant discovers any significant ambiguity, error, conflict, discrepancy, omission, or other deficiency in this Grant Announcement, the applicant should notify immediately the above-named individual of such error and request modification or clarification of the Grant Announcement.

All questions posed to the Grant Administrator will be published on the VW Mitigation Program website only after DOA has had the opportunity to formulate the correct response(s). All applicants are encouraged to check the VW Mitigation Program website on a regular basis for posted questions and answers.

Questions limited to the application process may be posed to the Grant Administrator in writing following the Written Question deadline. If it becomes necessary to provide additional clarifying data or information, or to revise any part of this Grant Application, revisions/amendments and/or supplements will be posted to the VW Mitigation Program website.

Each application shall stipulate that it is predicated upon the requirements, terms and conditions of this Grant Announcement and any supplements or revisions thereof.

***All contact with State employees related to this Grant Announcement (except with or authorized by the Grant Administrator) is strictly prohibited between the time that the Grant Announcement is released and the release of the Notice of Intent to Award. Any applicant who fails to adhere to this provision will be disqualified and their application will be rejected.***

1.6 Reasonable Accommodations

The Department will provide reasonable accommodations, including the provision of informational material in an alternate format, for qualified individuals with disabilities upon request. Any applicant in need of reasonable accommodations should contact the Grant Administrator, Ben Vondra, at (608) 261-6262 or via email at [benjaminh.vondra@wisconsin.gov](mailto:benjaminh.vondra@wisconsin.gov).

1.7 Calendar of Events

Listed below are specific and estimated dates/times of actions related to this Grant Announcement. The actions with specific dates must be completed as indicated unless otherwise changed by the State. If the State finds it necessary to change any of these dates and/or times, it will do so by issuing an amendment(s) to this Grant Announcement. It is the applicant's responsibility to check the VW Mitigation Program website regularly for any Grant Announcement amendments. There may or may not be formal notification issued for changes to target dates and times.

EVENT	DUE DATE
Grant Announcement Issue Date	July 23, 2018
<b>Written Questions Due</b>	<b>August 3, 2018</b>
Written Q & A Posted to DOA VW website	August 17, 2018 (estimate)
<b>Applications Due</b>	<b>September 28, 2018 at 2:00 PM CST</b>
Notification of Intent to Award sent	October 15, 2018 (estimate)
Grant Agreement Start Date	December 1, 2018 (estimate)

1.8 Grant Agreement Term

The Grant Agreement shall be effective on the execution date and shall run until no later than June 30, 2025, with an option by mutual agreement of the State and grantee to extend until no later than June 20, 2027.

**2.0 PREPARING AND SUBMITTING AN APPLICATION**

2.1 General Instructions

The evaluation and selection of a grantee(s) and the grant agreement will be based on the information submitted in the grantee's application. Failure to respond to each of the requirements in the Grant Announcement may be the basis for rejecting a response.

Elaborate applications (e.g. expensive artwork), beyond that sufficient to present a complete and effective application, are not necessary or desired.

2.2 Incurring Costs

The State of Wisconsin is not liable for any cost incurred by applicants in replying to this Grant Announcement.

2.3 Submitting the Application

2.3.1 Paper Submission

Applicants must submit one (1) original of all materials, including original signatures of authorized representatives, required for acceptance of its application no later than **September 28, 2018 at 2:00 PM Central Time to:**

<b>U.S. MAIL</b>
Ben Vondra, Grants Specialist Advanced Department of Administration Division of Enterprise Operations 101 East Wilson Street, 6th Floor P.O. Box 7867 Madison, WI 53707-7867

<b>COURIER OR BY HAND</b>
Ben Vondra, Grants Specialist Advanced Department of Administration Division of Enterprise Operations 101 East Wilson Street, 6th Floor Madison, WI 53707-7867

Applications must be received in the above office by the specified time stated above. All applications must be time-stamped as accepted by DEO by the stated time. Applications not so stamped will not be accepted. Receipt of an application by the State mail system does not constitute receipt of an application by DEO for the purposes of this Grant Announcement.

The Department of Administration has building security policies and procedures at the 101 East Wilson Street address in Madison including a security checkpoint in the first-floor lobby. All visitors are required to provide current identification and sign in for a visitor's pass. Security personnel will call the intended state employee prior to the visitor being allowed to proceed to their destination in the DOA building.

This policy may affect the timing for hand-deliveries of time-sensitive packages. However, properly credentialed package delivery couriers (e.g. UPS, FedEx, etc.) will be allowed to proceed without obtaining a pass. If you intend to hand-deliver your application, please plan additional time to account for the security process to be completed. Packages cannot be date/time stamped at the security desk on the lobby level and security personnel will not sign for deliveries; the package must be date and time stamped by the office identified in the Grant Announcement. The application due date and time will not be adjusted to accommodate tardiness due to security processes, nor will any exceptions to the due date and time be made. The State is not responsible for deliveries that do not reach their destination by the required due date and time.

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To ensure confidentiality of the document, all applications must be packaged, sealed and show the following information on the outside of the package:

- Applicant's name and address
- Grant Announcement title: VW Mitigation Program Transit Capital Assistance Grant Program
- Application due date: September 28, 2018 at 2:00 PM Central Time

DOA **will not** accept facsimile machine (fax) submitted applications. Applications that arrive unpackaged and/or unsealed shall not be accepted.

### 2.3.2 Electronic (Email) Submission

**In addition to the paper submission (section 2.3.1)**, the applicant must submit two electronic files **via email** to the Grant Administrator by the application deadline:

1. The original, non-scanned application in Adobe Acrobat pdf format.
2. The original, non-scanned Appendix A Section 4, Project Budget, in Microsoft Excel format. Do not submit the spreadsheet in paper form.

Files must be emailed to the Grant Administrator at [benjaminh.vondra@wisconsin.gov](mailto:benjaminh.vondra@wisconsin.gov).

## 2.4 Application Organization and Format

Applications should be typed and submitted on 8.5 by 11-inch paper and must be securely bound. Applications must be organized and presented in the order shown below.

The Application sections which should be submitted or responded to are:

Section 1	Applicant Information
Section 2	Eligibility Requirements
Section 3	Project Plan
Section 4	DO NOT INCLUDE APPENDIX A (PROJECT BUDGET) IN THE PRINTED PACKAGE, SUBMIT EXCEL SPREADSHEET BY EMAIL
Section 5	Required Signatures: Applicant Authorized Representative
Section 5	Required Signatures: Governmental Unit Authorized Representative
Attachments	Shared Revenue Acceptance Resolution (or equivalent); only applicable to county, city, village and town applicants

Any alteration of the forms or attachments is prohibited and may result in disqualification of the application.

## 2.5 Multiple Applications

Multiple applications from an applicant are not allowed.

## 2.6 Oral Presentations and Site Visits

Top scoring applicants based on an evaluation of the written application may be required to participate in interviews and/or site visits to support and clarify their applications, if requested by the State. The State will make every reasonable attempt to schedule each presentation at a time and location that is agreeable to the applicant. Failure of an applicant to interview or permit a site visit on the date scheduled may result in rejection of the applicant's application.

## 2.7 Withdrawal of Applications

Applications shall be irrevocable until grant agreement award unless the application is withdrawn. Applicants may withdraw an application, in writing, at any time by submitting a written request that is signed

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by an authorized representative of the applicant to the Grant Administrator. If a previously submitted application is withdrawn prior to the application submission due date and time, the applicant may submit another application on or before the Grant Application submission due date and time.

**3.0 APPLICATION SELECTION AND AWARD PROCESS**

**3.1 Preliminary Evaluation**

Applications will be reviewed initially to determine if Eligibility Requirements (Section 4.0) are met. Failure to meet Eligibility Requirements will result in rejection of the application. If all applicants do not meet one or more of the Eligibility Requirements, the State reserves the right to continue the evaluation of the applications and to select the application(s) which most closely meets the requirements specified in this Grant Application as allowed by law and the Trust.

**3.2 Application Scoring**

Accepted applications will be reviewed by an evaluation committee (“Committee”), consisting of members who have been selected because of their professional expertise and knowledge of the equipment and service(s) that are the subject of this Grant Application.

Applicants may **not** contact members of the Committee except at the State’s specific direction.

The Committee will score all accepted applications against the criteria stated in Section 3.3.

The Committee’s scoring will be tabulated and applications will be ranked based on the numerical scores received.

**3.3 Evaluation Criteria**

The applications will be scored against the following criteria:

<u>Description</u>	<u>Percent (%)</u>	<u>Possible Points</u>
1. Current Use of Transit Buses	20%	20
2. Future Use of Transit Buses	25%	25
3. Transportation to Employment	30%	30
4. NOx Reduction	15%	15
5. Project Timeline	<u>10%</u>	<u>10</u>
TOTAL	100%	100

**3.4 Right to Reject Applications and Negotiate Grant Agreement Terms**

The State reserves the right to reject any and all applications. The State reserves the right to negotiate the terms of the grant agreement(s) that result from this Grant Application, including the award amount, with the selected applicant prior to entering into a grant agreement. If grant agreement negotiations cannot be concluded successfully with the awarded applicant(s), the State may negotiate a grant agreement with the next highest scoring applicant(s).

**3.5 Method of Award**

The State will compile the final scores for each application (see section 3.3). The State intends to award to one or more applicants for the resulting grant agreement(s). Awards will be based upon the highest scoring responsive and responsible applicant(s).

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3.6 Notification of Intent to Award

All applicants who respond to this Grant Announcement will be notified in writing of the State's intent to award one or more grant agreements that result from this Grant Application.

After a Notice of Intent to Award is made, copies of the accepted applications, excluding materials deemed to be confidential and proprietary information on Appendix c: Designation of Confidential and Proprietary Information (DOA-3027), will be made available for public inspection on the VW Mitigation Program website.

**4.0 ELIGIBILITY REQUIREMENTS**

This section is NOT scored. (0 points)

Complete Section 2: Eligibility Requirements of the application.

Conditions of this Grant Announcement that include the word "must" or "shall" describe a **mandatory** eligibility requirement. Failure to meet a mandatory eligibility requirement shall disqualify the application. The State reserves the right to delete any specification or condition in the Grant Application as allowed by law if no applicant is able to comply with the given specification or condition of the Grant Application.

The requirements in this section are mandatory and the applicant must satisfy them. If the applicant cannot meet ALL the eligibility requirements, the applicant will be removed from further consideration. In the event there is an individual eligibility requirement that no applicant is able to meet, the State reserves the right to eliminate that individual eligibility requirement as allowed by law; in such case, the State shall continue the evaluation of applicant.

Using Section 2: Eligibility Requirements, answer each item as to whether the applicant either can or cannot (check the appropriate box) meet these eligibility requirements. It is the applicant's responsibility to submit any required supporting documentation for an eligibility requirement.

4.1 Eligible Applicant

4.1.1 Pursuant to §85.20 (1)(d), Wis. Stats., the applicant must certify that it is a county, municipality or town, or agency thereof; transit or transportation commission or authority and public corporation established by law or by interstate compact to provide mass transportation services and facilities or two or more of any such bodies acting jointly under §66.0301 to 66.0303, Wis. Stats.

4.2 Operating Deficit

4.2.1 Pursuant to §85.20, Wis. Stats., the applicant must certify that it operates an urban mass transit system incurring an operating deficit.

4.3 Shared Revenue Reduction

4.3.1 If the applicant is a county, city, village or town, the applicant must agree that the receipt of a grant under this program will result in a reduction of future county and municipal revenue payments pursuant to §79.035(7), Wis. Stats. Further, each applicant that is a county, city, village or town must provide a resolution (or equivalent) action taken agreeing to this reduction in revenue payments and authorizing its application.

4.4 Vehicle Eligibility

4.4.1 The applicant must certify that the vehicle(s) submitted for replacement is a Class 4-8 Transit Bus with a Gross Vehicle Weight Rating (GVWR) greater than 14,001 lbs. used for transporting people. In addition, the eligible vehicle must be powered with a 1992-2009 diesel engine.

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4.5 Scrapping

- 4.5.1 The applicant must certify that it will render the eligible replaced vehicle(s) inoperable and available for recycle. The applicant, at a minimum, will cause a 3-inch hole to be cut in the engine block for all engines. In addition, the chassis of the vehicle shall be disabled by cutting the vehicle's frame rails completely in half. Scrapping of any vehicle(s) shall occur within 90 days of the applicant accepting delivery of the replacement bus(es).

**5.0 PROJECT PLAN**

This section is scored. (100 total points)

Complete Section 3: Project Plan of the application.

The purpose of this section is to provide the State with a basis for determining an applicant's plan to undertake its project. Be specific when answering the following questions. Applicants shall concisely answer each question thoroughly.

5.1 Current Use of Transit Buses

- 5.1.1 Please explain how the applicant's current buses are used and why they require replacement. Where possible, provide data on ridership, bus condition and other factors that support replacement. Applicant may attach supporting documentation to its application for each bus requested for replacement including:

- Copies of estimates for planned or anticipated major repairs.
- List of recent major repairs.
- Photos of visible condition of the vehicle showing rust, dents and/or other issues.

5.2 Future Use of Transit Buses

- 5.2.1 Please explain how the new bus(es) will be used in the future. Please include information on whether the applicant expects ridership will increase, decrease, or maintain current levels. Applicant may attach supporting documentation to its application.

5.3 Transportation to Employment

- 5.3.1 Please explain how the new bus(es) will connect employees with employers. Applicant may attach supporting documentation to its application.

5.4 NOx Reduction

- 5.4.1 Using the US Environmental Protection Agency Diesel Emissions Quantifier (DEQ) tool, please state the projected NOx benefit as a result of replacing the identified bus(es). Include a description of how bus replacement will mitigate the impacts of NOx emissions on communities that have historically borne a disproportionate share of the adverse impacts of these emissions. Applicant may attach supporting documentation to its application.

5.5 Project Timeline

- 5.5.1 Please provide a detailed timeline for the replacement of each bus for which funding is requested. Include anticipated dates for ordering, delivery, placement in service and scrapping. All work must be completed by June 30, 2025.

## 6.0 PROJECT BUDGET

This section is NOT scored. (0 total points)

Complete Section 4: Project Budget of the application using the Excel spreadsheet. The Excel spreadsheet must be submitted in accordance with instructions in section 2.3.

The purpose of this section is to provide the State with identification of each bus proposed to be replaced, each proposed replacement vehicle and eligible costs for purchase and scrapping. The budget will include a listing of each eligible bus for which funding is requested for replacement. If more than one replacement request is made, buses must be listed in the spreadsheet with the highest priority bus listed first, the second highest priority bus listed second, etc.

### 6.1 Eligible Expenses

6.1.1 For each eligible bus listed for replacement, grant funds may be requested for two purposes:

- 6.1.1.1 The purchase of a class 4-8 transit bus with any new diesel or alternate fueled or all-electric vehicle, with the engine model year in which the eligible bus mitigation action occurs or one engine model year prior. Grant funds may be requested for 100% of the cost of a new diesel or Alternate Fueled (e.g., CNG, propane, Hybrid) vehicle, or 100% of the cost of a new All-Electric vehicle, including charging infrastructure associated with the new All-Electric vehicle.
- 6.1.1.2 Services required to scrap replaced eligible buses per the definition of "scrapping" in section 1.4. Scrapping must be completed within 90 days of accepting delivery of a replacement bus.

### 6.2 Ineligible Expenses

6.2.1 Grant funds may not be requested for the following purposes:

- Fleet expansion (i.e., the purchase of a bus that does not replace an existing bus).
- Administrative costs including applicant expenses, vendor mark-ups or other.
- Any expenses incurred before the grant agreement is fully executed, including applicant's expense to prepare the grant application.
- Any expenses to disable or remove equipment from an existing bus.
- Repowering.
- Bad debts, late payment fees, finance charges or contingency funds, interest, and investment management fees.
- Liens or other interests in any replaced bus.
- Attorney fees.
- Engineering/consultant fees.
- Taxes, except sales tax on eligible equipment and expenses.
- Purchase and/or installation of accessories, either new or transferred from replaced buses.
- Invoices submitted to the Department directly from any vendor, supplier or contractor.

## 7.0 SPECIAL GRANT AGREEMENT TERMS AND CONDITIONS

### 7.1 Reimbursement Requirements

This is a reimbursement program. Before requesting reimbursement from DOA, grant recipients must provide a signed payment request on letterhead for the amount to be reimbursed. Grant recipients must submit invoices and proofs of payment for approved expenses associated with the project. Grant recipients must submit photographic documentation of the VINs and engine serial numbers for the replaced bus(es), and photos and a certificate of destruction documenting that the replaced bus(es) have

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been rendered inoperable. Grant recipients must submit delivery or registration documents identifying VINs and engine serial numbers for the new bus(es) purchased with grant funds; and confirm that the project is complete and that the bus(es) is operating satisfactorily for the intended use. No costs for projects may be incurred before the grant agreement is executed or after the grant agreement end date. All invoices must be submitted by the date specified in the grant agreement to be paid.

## 7.2 Order of Precedence

In the event of grant agreement award(s), the contents of this Grant Application (including all attachments), Grant Application addenda and revisions, and the application of the successful applicant(s), and additional terms agreed to in writing by DOA and the applicant(s) shall become part of the grant agreement. Failure of the successful applicant(s) to accept these as a contractual agreement may result in a cancellation of award. The following priority for grant agreement documents will be used if there are conflicts or disputes:

1. Applicable State of Wisconsin statutes and regulations.
2. The terms of the resulting grant agreement.
3. The terms of the applicant's response as accepted by the State.
4. The terms of the Grant Application as amended.

## 7.3 Grant Agreement

A grant agreement between the grantee and DOA will cover the scope of work, timetable, semi-annual reporting requirements, and budget. Grant agreements cover a pre-determined period after the date DOA signs the contract. DOA may approve, at its sole discretion, a request from a grantee to substitute a bus identified for replacement with another eligible bus for good cause (e.g., mechanical issues, damage). Applicants must agree to abide by applicable state and federal rules and regulations.

DOA must provide the Trustee with a report describing its progress implementing each eligible mitigation action during the six-month period leading up to the reporting dates every year on January 30 and July 30. In order to provide all required information, DOA may collect the following from grantees to comply with the Trustee's reporting requirements:

- Tons/percentage of NOx and PM2.5 reduced over the lifetime of the vehicle replacement.
- Number of employees connected with employers.
- Project implementation timeline.
- All records and documentation supporting all grant funded expenditures, purchases and other fiscal activities to show that all funds were spent in compliance with the Trust Agreement, Consent Decrees and Wisconsin laws.
- Evidence that all vendors were or will be selected in accordance with state and local public procurement and contracting laws.
- Semi-annual reports describing the progress in implementing each project during the six-month period leading up to the reporting date. Such reports shall include a complete description of the status (including actual or projected termination date), development, implementation, and any modification of each approved project, and a summary of all costs expended on the Eligible Mitigation Action through the reporting date.

DOA reserves the right to restrict disposal of assets purchased with Transit Capital Assistance Grant Program grant funds. Such restrictions may apply to sale, insurance and other proceeds resulting from a determination by the applicant that the asset will no longer serve its intended purpose during its useful life. DOA anticipates that details on such restrictions will be determined prior to execution of grant agreements.

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7.4 Public Disclosure

All information submitted by applicant will be made available on DOA's VW Mitigation Website after an Intent to Award is issued.

7.5 Miscellaneous

The State of Wisconsin reserves the right to audit any grantee. Applicants must follow applicable state and local public procurement rules.



## Questions and Answers

### Transit Capital Assistance Grant Program

Deadline for questions: Friday, August 3, 2018

Q and A published: Wednesday, August 15, 2018

More information and this document available at:

<https://doa.wi.gov/Pages/vwsettlementwisconsin.aspx>

*Questions below were posed to DOA in writing by the August 3, 2018 deadline and may have been edited for clarity or combined with other questions of similar nature. Please note that questions limited to the application process may be posed to the Grant Administrator until the grant submission deadline.*

**1. When will shared revenue reductions begin under this program?**

A shared revenue reduction shall commence in the state fiscal year (SFY) following the first grant payment made to a grantee subject to the reduction. Example: If a grantee receives the first grant payment on June 15, 2020, the shared revenue reduction would commence in SFY 21 (July 1, 2020 to June 30, 2021).

**2. Are Transit Commissions, Transportation Commissions, Transportation Authorities, or Public Corporations subject to the shared revenue reductions of the program?**

No.

**3. Are municipalities or counties that support an entity listed in Question 2 subject to the shared revenue reduction?**

No. Counties, towns, villages and cities are subject to the shared revenue reduction provision of the program only when they receive grant funds directly.

**4. Will the grant agreement specify the years in which shared revenues will be reduced?**

No. The grant agreement and shared revenue reductions will conform to §79.035(7)(b), Wis. Stats. which states that reductions will occur for a period of ten (10) consecutive annual payments. The grant agreement will specify when shared revenue reductions will begin.

**5. What assurances will grantees have that shared revenues will be fully restored in year 11?**

§79.035(7)(b), Wis. Stats. specifies that shared revenue payments shall be reduced for ten (10) consecutive annual payments. Current law does not provide for additional reductions.



## Questions and Answers

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**6. What is the shared revenue reduction impact on a per-bus basis?**

The shared revenue reduction is not calculated on a “per-bus” basis. Rather, the reduction is calculated based on grants received (i.e., payments) by the grantee under the grant agreement. Any impact of the shared revenue reduction on a per bus basis is a local financial decision determined by the grantee.

**7. Is the reduction in shared revenues for a participating community 1/10th of the award amount for 10 years?**

No. The total shared revenue reduction shall be a percentage of the total payments received under the program based on population (see table below). The annual reduction shall be ten equal amounts commencing in the fiscal year following each grant payment. See Examples 1-3 at the end of the document.

TIER	POPULATION	SHARED REVENUE REDUCTION (as a percent of grant payments)
A	> 200,000	75 percent
B	50,000 to 200,000	20 percent
C	< 50,000	10 percent

**8. Under this program, can an eligible applicant replace buses that it operates but does not own?**

No, an eligible vehicle must be owned by an eligible applicant. Leased or contracted buses are not eligible for replacement.

**9. What are the scrapping requirements?**

As defined in the Environmental Mitigation Trust Agreement for State Beneficiaries, Appendix D-2, page 13, scrapping “shall mean to render inoperable and available for recycle by, at a minimum, cutting a 3-inch hole in the engine block for all engines and disabling of the chassis by cutting the vehicle’s frame rails completely in half.”

Further, the VW Transit Capital Assistance Grant Program Announcement includes additional requirements in Section 7.1 (Reimbursement Requirements). DOA will provide further detailed scrapping requirements at a later date. Applicants should estimate scrapping costs based on requirements provided in the Announcement. However, please note DOA will reimburse based on actual expenses and only up to the amount estimated in the application.



## Questions and Answers

### Transit Capital Assistance Grant Program

#### 10. When must vehicles be scrapped?

Scrapping shall occur within 90 calendar days of the grantee accepting delivery of the replacement bus(es) or before June 30, 2025, whichever occurs earlier. DOA must be able to certify, through physical inspection (if required by DOA) and documentation, that all scrapping requirements were met within the 90-day timeframe. An extension of the 90-day scrapping requirement may be granted by DOA for good cause. If scrapping requirements are not completed per the grant agreement, the grantee may forfeit funds dedicated to that specific project.

#### 11. Can components of replaced vehicles, other than the chassis and engine, be retained or sold?

The program requires that all replaced vehicles be “scrapped.” At a minimum, the engine and chassis of scrapped vehicles must be made available for recycle or disposal. Guidelines on disposition (including sale) of remaining components have not been established. However, provisions from other programs that may restrict vehicle disposal may apply (i.e., FTA or EPA grant funds).

#### 12. Can large trucks, medium trucks, buses be interchangeably replaced?

No. Replacement buses must be of similar kind, but do not have to be of the same engine propulsion, make, model or manufacturer. Example: a heavy-duty transit bus must be replaced with another heavy-duty transit bus. However, the replacement bus may be from a different manufacturer.

#### 13. What is the grantee’s liability if a replacement bus crashes?

The grantee, and not the State, is fully liable for the total asset management (including insurance and liability) of a replacement bus. No additional grant funds are available to defray the cost of repair, replacement, maintenance or administrative costs incurred as a result of a crash or damage to a bus purchased with grant funds. The shared revenue reduction component of the program continues to apply even if a vehicle supported with grant funds is not in operation due to a crash.

#### 14. Recent planned all-electric battery bus deployments in neighboring states (ex. Duluth MN, Chicago IL) will utilize fossil-fuel auxiliary engines to provide heat for passengers. These buses are not zero emission buses. They have two distinct power sources onboard just like hybrid electric transit buses in the market today. How will their tailpipe emissions be accounted for?

Applicants shall calculate emissions reductions of proposed projects by utilizing the US Environmental Protection (US EPA) Agency Diesel Emissions Quantifier (DEQ) tool. Applicants must include the NO<sub>x</sub> benefit of the proposed project in the application. Applications should follow the US EPA instructions for completing calculations using the DEQ tool. The tool and instructions are available at <https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>



## Questions and Answers

### Transit Capital Assistance Grant Program

**15. Wisconsin's electric grid is one of dirtiest in the U.S. How will electric grid emissions be addressed when calculating the NOx impact of all-electric buses?**

Applicants shall calculate emissions reductions of proposed projects by utilizing the US Environmental Protection (US EPA) Agency Diesel Emissions Quantifier (DEQ) tool. Applicants must include the NOx benefit of the proposed project. Applications should follow the US EPA instructions for completing calculations using the DEQ tool. According to US EPA DEQ release notes dated May 31, 2018 "Running emission factors for onroad vehicles are now generated at the national level. The selection of a state no longer affects the calculations. (v. 6.1)". The tool and instructions are available at <https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>

**16. What vehicles and propulsion systems qualify for funding under the Transit Capital Assistance Program?**

New diesel, alternate fuel and all-electric are eligible propulsion systems under this program. Please see Section 1.4 (Definitions) of the Announcement.

**17. Are non-profits able to utilize the VW Settlement to apply for a grant to purchase an electric bus?**

Eligible applicants are defined in Section 1.4 (Definitions) of the Announcement and eligibility requirements are further discussed in Section 4.0 (Eligibility Requirements) of the Announcement.

**18. Are school buses an eligible vehicle under the Transit Capital Assistance Grant Program?**

Vehicles eligible for replacement are defined in Section 1.4 (Definitions) of the Announcement.

**19. Can alternative energy vehicles be purchased with grant funds?**

New diesel, alternate fuel and all-electric are eligible propulsion systems under this program. Please see Section 1.4 (Definitions) of the Announcement.

**20. I see that "connecting employees with employers" is one of the DOA's objectives. Will consideration be made re: Wisconsin content on a transit bus?**

No.

**21. If applications score relatively equal, will there be consideration given to an equitable distribution of the funds? In other words, will there be partial awards or is it all or nothing?**

Per Section 3.4 (Right to Reject Applications and Negotiate Grant Agreement Terms) of the Announcement, DOA reserves the right to negotiate grant agreement terms with potential grantees. This includes the right to make partial awards. Applicants should follow instructions to prioritize buses it submits for replacement.

**SHARED REVENUE REDUCTION  
EXAMPLE 1: TIER A POPULATION**

Population 945,416  
 Reduction % (based on population) 75%  
 Number of Payments 5  
 Total Payments \$5,875,000  
 Total Shared Revenue Reduction \$4,406,250

FY	Payment #	Grant Payment Received	SHARED REVENUE REDUCTION					Total
			Payment 1	Payment 2	Payment 3	Payment 4	Payment 5	
19								-
20	1	\$1,500,000	\$112,500					\$0
21	2	\$500,000	\$112,500					\$112,500
22	3	\$1,400,000	\$112,500	\$37,500				\$150,000
23	4	\$1,000,000	\$112,500	\$37,500	\$105,000			\$255,000
24	5	\$1,475,000	\$112,500	\$37,500	\$105,000	\$75,000		\$330,000
25			\$112,500	\$37,500	\$105,000	\$75,000		\$440,625
26			\$112,500	\$37,500	\$105,000	\$75,000		\$440,625
27			\$112,500	\$37,500	\$105,000	\$75,000	\$110,625	\$440,625
28			\$112,500	\$37,500	\$105,000	\$75,000	\$110,625	\$440,625
29			\$112,500	\$37,500	\$105,000	\$75,000	\$110,625	\$440,625
30			\$112,500	\$37,500	\$105,000	\$75,000	\$110,625	\$440,625
31				\$37,500	\$105,000	\$75,000	\$110,625	\$328,125
32					\$105,000	\$75,000	\$110,625	\$290,625
33						\$75,000	\$110,625	\$185,625
34							\$110,625	\$110,625
<b>Total</b>		<b>\$5,875,000</b>	<b>\$1,125,000</b>	<b>\$375,000</b>	<b>\$1,050,000</b>	<b>\$750,000</b>	<b>\$1,106,250</b>	<b>\$4,406,250</b>

**SHARED REVENUE REDUCTION  
EXAMPLE 2: TIER B POPULATION**

Population 100,000  
 Reduction % (based on population) 20%  
 Number of Payments 2  
 Total Payments \$950,000  
 Total Shared Revenue Reduction \$190,000

FY	Payment #	Grant Payment Received	SHARED REVENUE REDUCTION		
			Payment 1	Payment 2	Total
19					-
20	1	\$500,000			\$0
21			\$10,000		\$10,000
22	2	\$450,000			\$10,000
23			\$10,000	\$9,000	\$19,000
24			\$10,000	\$9,000	\$19,000
25			\$10,000	\$9,000	\$19,000
26			\$10,000	\$9,000	\$19,000
27			\$10,000	\$9,000	\$19,000
28			\$10,000	\$9,000	\$19,000
29			\$10,000	\$9,000	\$19,000
30			\$10,000	\$9,000	\$19,000
31				\$9,000	\$9,000
32				\$9,000	\$9,000
<b>Total</b>		<b>\$950,000</b>	<b>\$100,000</b>	<b>\$90,000</b>	<b>\$190,000</b>

August 15, 2018

**SHARED REVENUE REDUCTION  
EXAMPLE 3: TIER C POPULATION**

Population 30,000  
 Reduction % (based on population) 10%  
 Number of Payments 1  
 Total Payments \$500,000  
 Total Shared Revenue Reduction \$50,000

FY	Payment #	Grant Payment Received	SHARED REVENUE REDUCTION	
			Payment 1	Total
19				-
20	1	\$500,000		\$0
21			\$5,000	\$5,000
22			\$5,000	\$5,000
23			\$5,000	\$5,000
24			\$5,000	\$5,000
25			\$5,000	\$5,000
26			\$5,000	\$5,000
27			\$5,000	\$5,000
28			\$5,000	\$5,000
29			\$5,000	\$5,000
30			\$5,000	\$5,000
<b>Total</b>		<b>\$500,000</b>	<b>\$50,000</b>	<b>\$50,000</b>

August 15, 2018

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