Agency Request Summary

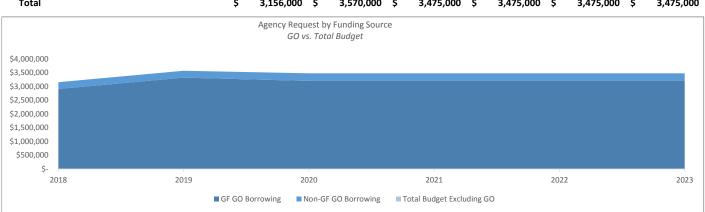
# Agency : Information Technology

Agency Request by Project (All Funds)

Project	2018	2019	2020	2021	2022	2023
Expand Fiber And Wireless Network	220,000	220,000	230,000	230,000	230,000	230,000
Hardware/Software Upgrades	2,136,000	2,200,000	2,350,000	2,350,000	2,350,000	2,350,000
Mobile Computing Laptops	200,000	200,000	220,000	220,000	220,000	220,000
Network Security	250,000	250,000	275,000	275,000	275,000	275,000
Purchased Software Enhancements	300,000	400,000	400,000	400,000	400,000	400,000
Residential Internet Access Assistance	50,000	-	-	-	-	-
Tax System Replacement	-	300,000	-	-	-	-
	\$ 3,156,000	\$ 3,570,000	\$ 3,475,000 \$	3,475,000 \$	3,475,000 \$	3,475,000

Agency Request by Funding Source

Project	2018	2019	2020	2021	2022	2023
GF GO Borrowing	2,906,000	3,320,000	3,200,000	3,200,000	3,200,000	3,200,000
Non-GF GO Borrowing	250,000	250,000	275,000	275,000	275,000	275,000
Total	\$ 3,156,000	\$ 3,570,000	\$ 3,475,000	\$ 3,475,000	\$ 3,475,000	\$ 3,475,000



# Information Technology



Paul Kronberger, Chief Information Officer City-County Building, Room 500 210 Martin Luther King, Jr. Boulevard Madison, Wisconsin 53703-3349

May 10, 2017

David Schmiedicke Finance Director City of Madison

# Re: 2018 Information Technology Capital Budget Request

Dear Dave,

Please find our 2018 capital budget request as submitted through the SharePoint process. The following is a summary with priorities indicated:

Priority	Project #	Project Name
1	17401	Network Security

This program is an ongoing effort to maintain or improve the IT security posture of the City's computer network and the physical security of city owned facilities and other physical security needs identified by agencies.

2 17400 Hardware/Software Upgrades

This program funds equipment and software upgrades and expansion of the data, voice and storage network infrastructure. Items include software licenses, servers, network switches and routers, enterprise storage, PC workstations, laptops, printers and other equipment.

3 17402 Mobile Computing

This program provides for the regular replacement of outdated mobile data laptop computers for Police, Fire and Public Works agencies.

4 17403 Purchased Software Enhancements

This program provides for upgrading existing vendor supplied software and applications supporting City operations.

5 17404 Expand Fiber and Wireless Network

May 10, 2017 Page 2

This program funds the expansion and upgrades to the City's high speed fiber optic network and wireless network. This provides for maintaining high network availability and assures sufficient capacity.

6 17049 Tax System Replacement

This project will fund the purchase of a new computer system for the administration of the City's tax billing and collection processes. This will replace an aging and limited system that was developed in the mid-1990's on a non-standard platform.

7 10399 Residential Internet Access Assistance

This project provides for continued funding in 2018 for the Digital Divide pilot project. These funds will make it possible to provide computer literacy education and support services to residents in the pilot areas.

The actual forms have been submitted through the SharePoint process. Our request includes deferring the Tax System Replacement (\$300,000) by one year to 2019. Please let me know if you have any questions. Thank you.

Sincerely,

Paul Kronberger, CIO City of Madison

Cc: Betsy York

# Section 1: Identifying Information

### Agency

Information Technology

Proposal NameMunis #Expand Fiber And Wireless Network17404

### **Proposal Description**

This program funds the installation of high-speed fiber optic cable or wireless connections to City facilities and adds additional capacity to areas of the network that are over-burdened.

# Proposal Type

Program

Section 2: Budget Information

# **Budget by Year**

Funding Source		2018	2019	2020	2021	2022	2023
GF GO Borrowing	$\checkmark$	220,000	220,000	230,000	230,000	230,000	230,000
	Total	\$220,000	\$220,000	\$230,000	\$230,000	\$230,000	\$230,000
Insert Funding Source							
Expense Category		2018	2019	2020	2021	2022	2023
Fiber Network	$\checkmark$	220,000	220,000	230,000	230,000	230,000	230,000
	Total	\$220,000	\$220,000	\$230,000	\$230,000	\$230,000	\$230,000
<ul> <li>Insert Expense Category</li> <li>Section 3: Proposal</li> <li><u>Minor Projects</u></li> <li>List the minor projects, estimated a</li> </ul>		locations currently					
Willior Pro	oject Name		Estimated Co	st	IVIINO	r Project Location	
Insert Minor Project <u>Service Level</u> What are the end products (asset o	or infrastruct	ure type) provided   Product U		# of Units			
End Product		Product U	nit	# of Units Provided			
Fiber Network	Miles	5		TBD			
Insert End Product							
On average, what is the standard u	useful life for	assets maintained I	by this program?				
20 Years							
Is the City currently on track for mo	eeting this st	andard?					
Yes O No Program Goals							
Program Goals What is the program's desired out	come for the	customer?					
Higher network speeds and imp			nd residents.				
How is the outcome currently bein	g measured?						
Bandwidth and network reliabil	-						
Operating Costs							
What are the ongoing operating co	osts associate	d with proposed pr	ojects within the p	ogram?			
The fiber inventory management	nt software	maintenance cost	ts continue from p	previous years and	are approximately	\$4,000 annually.	
Matching Funds							
Have matching funds been secured O Yes   No	l for any proj	ects within the prog	gram?				
Re-Edit							

Submitted

Submitted

# Section 1: Identifying Information

### Agency

Information Technology

Proposal NameMunis #Hardware/Software Upgrades17400

#### **Proposal Description**

This program funds equipment and software upgrades and expansion of the City's data, voice and storage network infrastructure. The program also funds equipment replacements and upgrades for the Media Team (City Channel).

#### Proposal Type

Program

Section 2: Budget Information

# **Budget by Year**

Funding Source		2018	2019	2020	2021	2022	2023
GF GO Borrowing	$\checkmark$	2,136,000	2,200,000	2,350,000	2,350,000	2,350,000	2,350,000
	Total	\$2,136,000	\$2,200,000	\$2,350,000	\$2,350,000	\$2,350,000	\$2,350,000
Insert Funding Source							
Expense Category		2018	2019	2020	2021	2022	2023
Machinery and Equipment	$\checkmark$	1,900,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000
Software and Licenses	$\sim$	236,000	400,000	550,000	550,000	550,000	550,000
	Total	\$2,136,000	\$2,200,000	\$2,350,000	\$2,350,000	\$2,350,000	\$2,350,000
ection 3: Proposal <u>inor Projects</u> t the minor projects, estimated a Minor Pro	amounts and oject Name	l locations currently	planned for 2017 Estimated Co	ost	Mino	r Project Location	
Hardware Upgrades			\$1,900,000	City-wide			
Software Upgrades			\$236,000	City-wide			
Insert Minor Project							
<u>ervice Level</u> /hat are the end products (asset c	or infrastruc	ure type) provided	hy this program?				
End Product		Product U		# of Units			
				Provided			
Vachinery and Equipment	✓ Piec	es of Machines/Eq	uipment	TBD			
Software and Licenses	✓ Num	ber of Software/L	icenses	TBD			
Insert End Product							
n average, what is the standard u	seful life fo	assets maintained	by this program?				
-5 years							
•	eting this s	andard?					
the City currently on track for me	eting this s	andard?					
B-5 years a the City currently on track for me ■ Yes ○ No Program Goals	eting this s	andard?					
the City currently on track for me Yes O No <u>rogram Goals</u>	-						
the City currently on track for me Yes O No	come for the	customer?	able to meet the	needs of the reside	ents.		
the City currently on track for me	come for the	customer? sure City Staff are	able to meet the	needs of the reside	ents.		
the City currently on track for me Yes O No <u>rogram Goals</u> What is the program's desired outor Ip-to-date hardware and softwork ow is the outcome currently bein eedback from City staff regard	come for the vare will en g measured	customer? sure City Staff are				nts whether enga	ged through the web
the City currently on track for me Yes O No <u>rogram Goals</u> /hat is the program's desired outo	come for the vare will en g measured	customer? sure City Staff are				nts whether enga	ged through the web
the City currently on track for me Yes O No rogram Goals Uhat is the program's desired outo Ip-to-date hardware and softw ow is the outcome currently bein eedback from City staff regard r in-person.	come for the vare will en g measured ing reliabili	customer? sure City Staff are ty of hardware an	d applicability of ojects within the p	software to provide	e services to reside		

#### Matching Funds

Have matching funds been secured for any projects within the program?

○ Yes <sup>●</sup> No

# Section 1: Identifying Information

### Agency

Information Technology

#### **Proposal Name**

Mobile Computing Laptops

**Munis #** 17402

Submitted

# **Proposal Description**

This program provides for the regular replacement of outdated mobile data laptop computers installed in Public Safety vehicles and mobile devices used by other City agencies.

## **Proposal Type**

Program

Section 2: Budget Information

# **Budget by Year**

Funding Source	2018	2019	2020	2021	2022	2023
GF GO Borrowing	200,000	200,000	220,000	220,000	220,000	220,000
Total	\$200,000	\$200,000	\$220,000	\$220,000	\$220,000	\$220,000
Insert Funding Source						
Expense Category	2018	2019	2020	2021	2022	2023
Machinery and Equipment	200,000	200,000	220,000	220,000	220,000	220,000
Total	\$200,000	\$200,000	\$220,000	\$220,000	\$220,000	\$220,000
Insert Expense Category						
Section 3: Proposal <u>Ainor Projects</u> ist the minor projects, estimated amounts	and locations currently	planned for 2017				
Minor Project Nam		Estimated Cos	st	Mino	r Project Location	
Insert Minor Project			I			
Service Level						
What are the end products (asset or infrast	ucture type) provided	by this program?				
End Product	Product U	nit	# of Units Provided			
Machinery and Equipment	eces of Machines/Eq	uinmont				
			50			
		apment	50			
Insert End Product			50			
Insert End Product On average, what is the standard useful life			50			
Insert End Product On average, what is the standard useful life 3-5 Years	for assets maintained l		50			
Insert End Product On average, what is the standard useful life 3-5 Years Is the City currently on track for meeting this	for assets maintained l		50			
<ul> <li>Insert End Product</li> <li>On average, what is the standard useful life</li> <li>3-5 Years</li> <li>s the City currently on track for meeting thi</li> <li>Yes O No</li> </ul>	for assets maintained l		50			
<ul> <li>Insert End Product</li> <li>On average, what is the standard useful life</li> <li>3-5 Years</li> <li>Is the City currently on track for meeting thi</li> <li>Yes O No</li> <li>Program Goals</li> </ul>	for assets maintained l s standard?		50			
<ul> <li>Insert End Product</li> <li>On average, what is the standard useful life</li> <li>3-5 Years</li> <li>Is the City currently on track for meeting thi</li> <li>Yes O No</li> <li>Program Goals</li> <li>What is the program's desired outcome for</li> </ul>	for assets maintained l s standard? the customer?	by this program?				
<ul> <li>Insert End Product</li> <li>On average, what is the standard useful life</li> <li>3-5 Years</li> <li>Is the City currently on track for meeting thi</li> <li>Yes O No</li> <li>Program Goals</li> <li>What is the program's desired outcome for</li> <li>Provide necessary devices for public saf</li> </ul>	for assets maintained l s standard? the customer?	by this program?				
<ul> <li>Insert End Product</li> <li>On average, what is the standard useful life</li> <li>3-5 Years</li> <li>Is the City currently on track for meeting thi</li> <li>Yes O No</li> <li>Program Goals</li> <li>What is the program's desired outcome for</li> <li>Provide necessary devices for public saf</li> <li>How is the outcome currently being measure</li> </ul>	for assets maintained I s standard? the customer? ety and public works ed?	by this program?	ne field.			
<ul> <li>Insert End Product</li> <li>On average, what is the standard useful life</li> <li>3-5 Years</li> <li>Is the City currently on track for meeting thi</li> <li>Yes O No</li> <li>Program Goals</li> <li>What is the program's desired outcome for</li> <li>Provide necessary devices for public saf</li> </ul>	for assets maintained I s standard? the customer? ety and public works ed?	by this program?	ne field.	te locations		
<ul> <li>Insert End Product</li> <li>On average, what is the standard useful life</li> <li>3-5 Years</li> <li>Is the City currently on track for meeting thi</li> <li>Yes O No</li> <li>Program Goals</li> <li>What is the program's desired outcome for</li> <li>Provide necessary devices for public saf</li> <li>How is the outcome currently being measure</li> <li>Feedback from City staff regarding devi</li> </ul>	for assets maintained I s standard? the customer? ety and public works ed?	by this program?	ne field.	te locations		
■ Insert End Product On average, what is the standard useful life 3-5 Years Is the City currently on track for meeting thi ● Yes ○ No Program Goals What is the program's desired outcome for Provide necessary devices for public saf How is the outcome currently being measur Feedback from City staff regarding devi Operating Costs	for assets maintained I s standard? the customer? ety and public works ed? ce reliability and ease	by this program? staff working in the of use while in the	ne field. ne field or at remot	te locations		
■ Insert End Product On average, what is the standard useful life 3-5 Years Is the City currently on track for meeting thi ● Yes ○ No Program Goals What is the program's desired outcome for Provide necessary devices for public saf How is the outcome currently being measur Feedback from City staff regarding devi Operating Costs What are the ongoing operating costs assoc	for assets maintained I s standard? the customer? ety and public works ed? ce reliability and ease	by this program? staff working in the of use while in the	ne field. ne field or at remot	te locations		
■ Insert End Product On average, what is the standard useful life 3-5 Years Is the City currently on track for meeting thi ● Yes ○ No Program Goals What is the program's desired outcome for Provide necessary devices for public saf How is the outcome currently being measur Feedback from City staff regarding devi Operating Costs	for assets maintained I s standard? the customer? ety and public works ed? ce reliability and ease	by this program? staff working in the of use while in the	ne field. ne field or at remot	te locations		
■ Insert End Product On average, what is the standard useful life 3-5 Years Is the City currently on track for meeting thi ● Yes ○ No Program Goals What is the program's desired outcome for Provide necessary devices for public saf How is the outcome currently being measur Feedback from City staff regarding devi Operating Costs What are the ongoing operating costs assoc	for assets maintained I s standard? the customer? ety and public works ed? ce reliability and ease	by this program? staff working in the of use while in the	ne field. ne field or at remot	te locations		

Re-Edit

#### Section 1: Identifying Information

#### Agency

Information Technology

Proposal Name

Network Security

Munis # 17401

In Progress

## **Proposal Description**

This program is an ongoing effort to maintain and improve the security posture of the City's computer network and the physical security of City-owned facilities, including security assessments and consulting.

#### **Proposal Type**

Program

Section 2: Budget Information

#### **Budget by Year**

Funding Source		2018	2019	2020	2021	2022	2023
GF GO Borrowing	$\sim$	250,000	250,000	275,000	275,000	275,000	275,000
	Total	\$250,000	\$250,000	\$275,000	\$275,000	\$275,000	\$275,000
Insert Funding Source							
Expense Category		2018	2019	2020	2021	2022	2023
Machinery and Equipment	~	132,500	132,500	150,000	150,000	150,000	150,000
Software and Licenses	$\checkmark$	67,500	67,500	75,000	75,000	75,000	75,000
Other	$\checkmark$	50,000	50,000	50,000	50,000	50,000	50,000
	Total	\$250,000	\$250,000	\$275,000	\$275,000	\$275,000	\$275,000

Insert Expense Category

#### Section 3: Proposal

**Minor Projects** 

#### List the minor projects, estimated amounts and locations currently planned for 2018

Minor Project Name	Estimated Cost	Minor Project Location

# Insert Minor Project

What are the end products (asset or infrastructure type) provided by this program?

End Product		Product Unit	# of Units Provided
Other	$\sim$	N/A	Consulting
Machinery and Equipment	~	Pieces of Machines/Equipment	TBD
Software and Licenses	~	Number of Software/Licenses	TBD
Insert End Product			

On average, what is the standard useful life for assets maintained by this program?

3-5 Years

Is the City currently on track for meeting this standard?

#### • Yes • No Program Goals

# What is the program's desired outcome for the customer?

A secure network and computing environment to ensure City staff can engage with residents.

#### How is the outcome currently being measured?

Accessibility of City services by residents and minimal network downtime. Increased ability to prevent and mitigate cyber attacks.

#### **Operating Costs**

What are the ongoing operating costs associated with proposed projects within the program?

There is a possibility of an annual operating cost starting in 2020 in the amount of \$30,000.

#### Matching Funds

Have matching funds been secured for any projects within the program?

○ Yes 
○ Yes● No

Save

Submit

ſ

Munis # 17403

# Section 1: Identifying Information

#### Agency

Information Technology

**Proposal Name** 

Purchased Software Enhancements

## **Proposal Description**

This program funds upgrades and enhancements of existing vendor supplied software and applications supporting City operations and the purchase of additional customer licenses when necessary.

#### **Proposal Type**

Program

Section 2: Budget Information

# **Budget by Year**

Funding Source		2018	2019	2020	2021	2022	2023
GF GO Borrowing	$\checkmark$	300,000	400,000	400,000	400,000	400,000	400,000
	Total	\$300,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
Insert Funding Source							
Expense Category		2018	2019	2020	2021	2022	2023
Software and Licenses	$\checkmark$	170,000	220,000	220,000	220,000	220,000	220,000
Other	$\checkmark$	130,000	180,000	180,000	180,000	180,000	180,000
	Total	\$300,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000

#### Insert Expense Category

### Section 3: Proposal

Minor Project	Name	Estimated Cos	st	Minor Project Location	
Insert Minor Project					
<u>Service Level</u> What are the end products (asset or inf	rastructure type) provide	ed by this program?			
End Product	Product	, , , ,	# of Units Provided		
Software and Licenses	Number of Software	/Licenses	TBD		
Other 🗸	N/A		Consulting		
On average, what is the standard useful Varies by application - average is 5-	10 years	d by this program?			
Varies by application - average is 5- s the City currently on track for meetin yes O No	10 years	ed by this program?			
Varies by application - average is 5- s the City currently on track for meetin	10 years g this standard?	ed by this program?			
Varies by application - average is 5- s the City currently on track for meetin Yes O No Program Goals	10 years g this standard? for the customer?				
Varies by application - average is 5- s the City currently on track for meetin yes O No <u>Program Goals</u> What is the program's desired outcome	10 years g this standard? for the customer? or City Staff to meet the				
Varies by application - average is 5- s the City currently on track for meetin Yes O No <u>Program Goals</u> What is the program's desired outcome Up-to-date software functionality for	10 years g this standard? for the customer? or City Staff to meet the asured?				
Varies by application - average is 5- s the City currently on track for meetin Yes O No <u>Program Goals</u> What is the program's desired outcome Up-to-date software functionality for How is the outcome currently being me	10 years g this standard? for the customer? or City Staff to meet the asured?				

#### **Matching Funds**

#### Have matching funds been secured for any projects within the program?

Submitted

		Ca	apital Bud	get Propos	als			Submitted
Section 1: Identifying I	nformati	าท						
Agency	mormati							
Information Technology								
Proposal Name				Munis #				
Residential Internet Access As	ssistance			10399				
Proposal Description	Sistance			10333				
This project provides funding Heights).	to close the	"Digital Divide" in	four low income r	eighborhoods (Al	lied Drive, Darbo/	Worthington, Bren	twood and Kenn	edy
Proposal Type Project								
Section 2: Budget Infor	rmation							
Total Project Budget	\$615,00	0						
Budget by Year								
Funding Source		2018	2019	2020	2021	2022	2023	
GF GO Borrowing	$\sim$	50,000						
Insert Funding Source	Total	\$50,000	\$0	\$0	\$0	\$0	\$0	
Expense Category		2018	2019	2020	2021	2022	2023	
Other	$\sim$	50,000						
Insert Expense Category	Total	\$50,000	\$0	\$0	\$0	\$0	\$0	
Section 3: Proposal <u>Project Status</u> What is the location of the propos Brentwood, Darbo-Worthingto Is the property currently owned b @ Yes O No What is the current status of the p Construction	on, Kennedy y the City of I project?	-	l Drive					
2018	2019		2020	2021		2022	2023	
Construction 🗸		$\checkmark$	$\sim$		$\checkmark$	$\checkmark$		$\sim$
Project Justification         Is the proposed project the replace         Is the proposed project the replace         Is the project called for in an appr         Yes       No         What is the desired outcome of the         Provide digital literacy training	set roved master ne proposed p	plan? project?			own as Connection	Madison		
				e rhot rioject, kh				
How will this outcome be measure Progress will be measured by t		of residents traine	d and computers (	deployed.				
Operating Costs								
Will the proposed project result in N/A	n operational	efficiencies and/or s	avings? Please Expl	ain.				
What's the annual operating costs Describe, by major, the operating N/A			0 . Include the numbe	r of newly created	positions required b	y the project.		

### Matching Funds

Have matching funds been secured for the project?  $\bigcirc$  Yes  $\circledast$  No

Re-Edit

								Submitted
		C	apital Budg	get Propos	als			
Section 1: Identifying	g Informati	on						
Agency								
Information Technology								
Proposal Name				Munis #				
Tax System Replacement				17049				
Proposal Description This project funds the purc		computer system	for the administrat	ion of the City's ta	ax billing and colle	ection processes.		
Proposal Type Project								
Section 2: Budget Inf	ormation							
Total Project Budget	\$300,00	00						
Budget by Year								
Funding Source		2018	2019	2020	2021	2022	2023	
GF GO Borrowing	$\checkmark$		300,000					
	Total	\$0	\$300,000	\$0	\$0	\$0	\$0	
Insert Funding Source Expense Category	/	2018	2019	2020	2021	2022	2023	
Other	$\checkmark$		150,000					
Software and Licenses	$\checkmark$		150,000					
Insert Expense Category	Total	\$0	\$300,000	\$0	\$0	\$0	\$0	
Section 3: Proposal Project Status What is the location of the pro Treasurer's Office s the property currently owne © Yes O No What is the current status of th Planning What is the planned schedule f 2018	d by the City of f he project?	Madison?	2020	2021		2022	2023	
	lanning	$\checkmark$	~		$\checkmark$			$\checkmark$
Project Justification s the proposed project the rep O New Asset  Existing s this project called for in an a Yes  No What is the desired outcome o The goal of the project is to	Asset pproved master f the proposed p	plan? project?			h a more stable p	latform.		
How will this outcome be meas Feedback from the Treasure		on the functionali	ty of the system ar	nd resident reactio	on to any changes	made to the proce	ess or bills.	
<b>Operating Costs</b> <b>Will the proposed project resul</b> Additional functionality of tl					essing of payment	ts.		
Operating Costs will begin ir					5 p. / 6.			
What's the annual operating co		with the project?	37,500					

Software Support and maintenance.

<u>Matching Funds</u> Have matching funds been secured for the project? ○ Yes 
 No

Re-Edit