City of Madison 2018 Capital Improvement Plan

Agency Request Summary

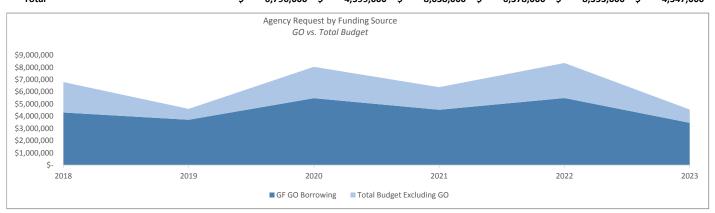
Agency: Engineering - Bicycle and Pedestrian

Agency Request by Project (All Funds)

Project		2018	2019	2020	2021	2022	2023
Bikeways Program		781,000	860,000	900,000	933,000	933,000	933,000
Cannonball Path		1,200,000	-	780,000	-	-	-
Cap City Trail		-	70,000	-	-	910,000	-
Goodman Path		-	290,000	-	-	-	-
Ice Age Junction		1,660,000	300,000	-	-	-	-
Ped/Bike Enhancement		222,000	229,000	230,000	243,000	243,000	243,000
Safe Routes Grants		150,000	150,000	150,000	150,000	150,000	150,000
Safe Routes to School		91,000	96,000	101,000	106,000	111,000	117,000
Sidewalk Program		2,432,000	2,554,000	2,682,000	2,816,000	2,956,000	3,104,000
West Towne Path		260,000	50,000	3,195,000	2,130,000	3,050,000	-
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Agency Request by Funding Source

Total	\$ 6,796,00	0 \$ 4.599.000	\$ 8.038.000	\$ 6.378,000	\$ 8.353,000	\$ 4.547.000
Revenue Bonds - Sewer	700,00	00 -	-	-	-	-
Reserves Applied - Stormwater	50,00	- 00	55,000	-	-	-
Reserves Applied - Sewer	300,00	- 00	-	-	-	-
Federal Sources	-	-	1,572,000	864,000	1,830,000	-
Special Assessment	852,00	00 895,000	940,000	987,000	1,036,000	1,088,000
County Sources	595,00	- 00	-	-	-	-
GF GO Borrowing	4,299,00	3,704,000	5,471,000	4,527,000	5,487,000	3,459,000
Project	2018	2019	2020	2021	2022	2023
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Department of Public Works

Engineering Division

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> Operations Manager Kathleen M. Cryan

Mapping Section Manager Eric T. Pederson, P.S.

> Financial Manager Steven B. Danner-Rivers

Date: May 10, 2017

To: David Schmiedicke, Finance Director

From: Robert Phillips, P.E., City Engineer

Re: 2018 Capital Budget Proposal

Bicycle and Pedestrian

Introduction

The Engineering Division's proposed budget includes projects that both maintain and expand the City's network of bike paths. The City's Bicycle and Pedestrian Budget funds programs administered by both City Engineering and City Traffic Engineering. The two agencies work closely on the various programs and projects. Through the Support of the Mayor and Common Council, Citizen involvement, and interagency collaboration, the City has positioned ourselves as a leader in bike infrastructure and has achieved a Platinum rating by the League of American Bicyclists. In addition, our sidewalk program reduces City liability by systematically repairing all sidewalk in the City on a ten year rotation.

Prioritized List

- 1. Sidewalk Program
- 2. Capital City Trail
- 3. Ice Age Junction Trail
- 4. West Towne Path
- 5. Safe Routes Grant
- 6. Safe Routes to School
- 7. Cannonball Path
- 8. Pedestrian / Bike Enhancements
- 9. Bikeways Program
- 10. Goodman Path

Discussion of Criteria

The top priority for the Bicycle and Pedestrian Budget is the Sidewalk Program. This program funds the repair of all sidewalk in the City over a ten year cycle. This program reduces risk of injury associated with defective sidewalk. Having such a program also aids in defending against claims associated with injury from defective sidewalks. The Capital City Trail is a high priority because it has both a Federal Transportation Alternatives Grant and a County Grant. The Ice Age Junction Trial is a high priority because it must be built with the Federally Funded CTH M improvements in the Major Streets Budget. The West Towne Path has a Federal Transportation Alternatives Grant that has been secured and a developer contribution that must be spent. In addition, the project must be coordinated with the Gammon

Road Project adjacent to the West Towne Mall. The Safe Routes Grant is used to fund 50% of the cost of new sidewalk installation in older areas that developed in the townships and were later annexed to the City. Not funding this project is detrimental to our goal to install much needed sidewalk in these neighborhoods. The Safe Routes to School program is important because it provides better and safer access to schools. The Cannonball Path project is the final phase of a project that we have been working on over several years. The Pedestrian / Bike Enhancements Program funds projects to improve bike and pedestrian facilities on existing streets. The Bikeways Program is an important program in that it funds priority bike projects throughout the City. The Goodman Path has been moved from the west side of the Starkweather Creek to the easterly side of the Starkweather Creek to avoid Railroad issues. This alignment change removes the barrier that was keeping the project from moving forward. This renewed project is an important connection for the east side of Madison as it will ultimately connect to Sun Prairie and will serve Madison neighborhoods along the way.

Section 1: Identifying Information

Agency

Engineering - Bicycle and Pedestrian

Proposal Name

Bikeways Program

Munis #

10138

Proposal Description

This program is for bicycle related improvements throughout the City including constructing new bike paths and resurfacing of existing bike paths. Projects within this program are prioritized based on pavement quality rankings of the existing bikeways.

Proposal Type

Program

Section 2: Budget Information

Budget by Year

Funding Source		2018	2019	2020	2021	2022	2023
GF GO Borrowing		781,000	860,000	900,000	933,000	933,000	933,000
	Total	\$781,000	\$860,000	\$900,000	\$933,000	\$933,000	\$933,000
Expense Category		2018	2019	2020	2021	2022	2023
Bike Path		781,000	860,000	900,000	933,000	933,000	933,000
	Total	\$781,000	\$860,000	\$900,000	\$933,000	\$933,000	\$933,000

Section 3: Proposal

Minor Projects

List the minor projects, estimated amounts and locations currently planned for 2017

Minor Project Name	Estimated Cost	Minor Project Location
Resurfacing Paths	\$281,000	
Starkweather Creek RR Underpass	\$500,000	

Service Level

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

End Product	Product Unit	# of Units Provided
Bike Path	Miles	

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

10-15 years

Is the City currently on track for meeting this standard?

Program Goals

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

The project maintains existing pedestrian / bike facilities and constructs new pedestrian / bike facilities. The bicycle and pedestrian facilities provide an alternate means of transportation as well as recreational opportunities.

How is the outcome currently being measured?

Miles

Operating Costs

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

This project will reduce path maintenance costs by improving a path that is in poor condition.

Matching Funds

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

Section 1: Identifying Information

Agency

Engineering - Bicycle and Pedestrian

Proposal Name Munis #
Cannonball Path 10142

Proposal Description

This project is for the construction of Phase 6 of the Cannonball Trail from Fish Hatchery Road to Wingra Path. Currently the Cannonball Trail extends from McKee Road to Fish Hatchery Road.

Proposal Type

Project

Section 2: Budget Information

Total Project Budget \$1,780,000

Budget by Year

Funding Source		2018	2019	2020	2021	2022	2023
GF GO Borrowing		200,000		780,000			
Revenue Bonds - Sewer		700,000					
Reserves Applied - Sewer		300,000					
	Total	\$1,200,000	\$0	\$780,000	\$0	\$0	\$0
Expense Category		2018	2019	2020	2021	2022	2023
Bike Path		200,000		780,000			
Sanitary Sewer		1,000,000					
	Total	\$1,200,000	\$0	\$780,000	\$0	\$0	\$0

Section 3: Proposal

Project Status

What is the location of the proposed project?

Cannonball Path (Fish Hatchery Rd to Wingra Creek)

Is the property currently owned by the City of Madison?

What is the current status of the project?

Schematic Design

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Schematic Design	Schematic Design	Construction	Construction Completion		

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset
Existing Asset

Is this project called for in an approved master plan?

Yes \(\text{No.} \)

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

It completes connection as shown in Madison Metropolitan Planning Organization Bike Plan

What is the desired outcome of the proposed project?

The project completes the path as planned

How will this outcome be measured?

Miles

Operating Costs

 $\label{proposed project result in operational efficiencies and/or savings? Please Explain.$

No	
What's the annual operating costs associated with the project?	
Describe, by major, the operating costs associated with the proje	ect. Include the number of newly created positions required by the project.
A new path will require maintenance.	
Matching Funds Have matching funds been secured for the project?	
○ Yes ® No	

Section 1: Identifying Information Agency Engineering - Bicycle and Pedestrian **Proposal Name** Munis# 10143 Cap City Trail **Proposal Description** This project funds the paved bicycle/pedestrian path that will extend the Capital City Trail from Buckeye Road to Interstate 39 on the southeast side of Madison, generally following the corridor of the Union Pacific rail line. **Proposal Type** Project Section 2: Budget Information **Total Project Budget** \$1,270,000 **Budget by Year** Funding Source 2022 2018 2019 2020 2021 2023 GF GO Borrowing 70,000 910,000 Total \$0 \$70,000 \$0 \$0 \$910,000 \$0 Expense Category 2018 2019 2020 2021 2022 2023 Bike Path 910.000 70,000 Total \$0 \$70,000 \$0 \$0 \$910,000 \$0 Section 3: Proposal **Project Status** What is the location of the proposed project? Capital City Path (Buckeye to 139) Is the property currently owned by the City of Madison? Yes ○ No What is the current status of the project? Schematic Design What is the planned schedule for the project? 2018 2022 2019 2020 2021 2023 Schematic Design Schematic Design Schematic Design Schematic Design Construction Completion **Project Justification** Is the proposed project the replacement of an existing asset or the construction of a new asset? New Asset Existing Asset Is this project called for in an approved master plan? If yes, discuss how does the proposed project meet the project requirements as defined in the plan? It completes connection as shown in Madison Metropolitan Planning Organization Bike Plan What is the desired outcome of the proposed project? The project completes the path as planned How will this outcome be measured? miles **Operating Costs** Will the proposed project result in operational efficiencies and/or savings? Please Explain. No

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

A new path will require maintenance.

Matching Funds

Have matching funds been secured for the project?

○ Yes

No

Capital Budget Proposals Section 1: Identifying Information Agency Engineering - Bicycle and Pedestrian **Proposal Name** Munis# 10144 Goodman Path **Proposal Description** This project is for the construction of a new path between the Capital City Path and State Highway 30 on Madison's east side. The goal of the project is to increase neighborhood connectivity. **Proposal Type** Project Section 2: Budget Information **Total Project Budget** \$290,000 **Budget by Year** Funding Source 2019 2020 2022 2018 2021 2023 GF GO Borrowing 290,000 Total \$0 \$290,000 \$0 \$0 \$0 \$0 Expense Category 2018 2019 2020 2021 2022 Bike Path 290.000 Total \$0 \$290,000 \$0 \$0 \$0 \$0 Section 3: Proposal **Project Status** What is the location of the proposed project? Goodman Path (Cap City Path to Hwy 30) Is the property currently owned by the City of Madison? Yes ○ No What is the current status of the project? Schematic Design What is the planned schedule for the project? 2018 2022 2023 2019 2020 2021 Schematic Design Schematic Design **Project Justification** Is the proposed project the replacement of an existing asset or the construction of a new asset? New Asset Existing Asset Is this project called for in an approved master plan? If yes, discuss how does the proposed project meet the project requirements as defined in the plan? It completes connection as shown in Madison Metropolitan Planning Organization Bike Plan What is the desired outcome of the proposed project? The project completes the path as planned How will this outcome be measured? Miles **Operating Costs** Will the proposed project result in operational efficiencies and/or savings? Please Explain. No

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

A new path will require maintenance

Matching Funds

Have matching funds been secured for the project?

○ Yes

No

Section 1: Identifying Information Agency Engineering - Bicycle and Pedestrian **Proposal Name** Munis# 10145 Ice Age Junction **Proposal Description** This project will extend the Ice Age Junction path from Verona to north of Mineral Point Road, roughly paralleling CTH M. The project's scope includes a new pedestrian and bicycle bridge over McKee Rd (CTH PD) and the section of the path from Flagstone Drive to Valley View Road. **Proposal Type** Project Section 2: Budget Information **Total Project Budget** \$1,960,000 **Budget by Year** Funding Source 2018 2020 2022 2019 2021 2023 GF GO Borrowing 1,065,000 300,000 County Sources 595,000 Total \$1,660,000 \$300,000 \$0 **Expense Category** 2018 2019 2020 2021 2022 2023 Bike Path 1,660,000 300,000 Total \$300,000 \$1,660,000 \$0 \$0 \$0 \$0 Section 3: Proposal **Project Status** What is the location of the proposed project? Ice Age Junction Path (CTH PD to Valley View) Is the property currently owned by the City of Madison? Yes ○ No. What is the current status of the project? Construction What is the planned schedule for the project? 2020 2021 2022 2023 2018 2019 Construction Construction Completion Is the proposed project the replacement of an existing asset or the construction of a new asset? New Asset Existing Asset Is this project called for in an approved master plan? If yes, discuss how does the proposed project meet the project requirements as defined in the plan? It completes connection as shown in Madison Metropolitan Planning Organization Bike Plan What is the desired outcome of the proposed project? The project completes the path as planned How will this outcome be measured? Miles **Operating Costs** Will the proposed project result in operational efficiencies and/or savings? Please Explain. No

What's the annual operating costs associated with the project?

A new pat	will require maintenance.
Matching	iunds
Have match	ng funds been secured for the project?
Yes ○	No
Are these f	nds formally committed?
Yes ○	No
What is the	name of the fund provider and the name of the grant? What are the match requirements of the external funding sources?
Federal Su	face Transportation Programs, Fed 50%, City/County 50%

Section 1: Identifying Information

Agency

Engineering - Bicycle and Pedestrian

Proposal Name Munis #
Ped/Bike Enhancement 10547

Proposal Description

This program constructs bike boulevards and other pedestrian and bike enhancements throughout Madison.

Proposal Type

Program

Section 2: Budget Information

Budget by Year

Funding Source		2018	2019	2020	2021	2022	2023
GF GO Borrowing		222,000	229,000	230,000	243,000	243,000	243,000
	Total	\$222,000	\$229,000	\$230,000	\$243,000	\$243,000	\$243,000
Expense Category		2018	2019	2020	2021	2022	2023
Bike Path		222,000	229,000	230,000	243,000	243,000	243,000
	Total	\$222,000	\$229,000	\$230,000	\$243,000	\$243,000	\$243,000

Section 3: Proposal

Minor Projects

List the minor projects, estimated amounts and locations currently planned for 2017

	Minor Project Name	Estimated Cost	Minor Project Location	
Unallocated				

Service Level

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

End Product	Product Unit	# of Units Provided	
Street	Miles		
Bike Path	Miles		

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

20-30 years

Is the City currently on track for meeting this standard?

Program Goals

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

This project would make bicycling a safer, more efficient, and more userfriendly mode of transportation in the City of Madison; thereby reducing the traffic congestion, noise, and air pollution associated with vehicles.

How is the outcome currently being measured?

NA

Operating Costs

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

New paths require maintenance.

Matching Funds

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

Section 1: Identifying Information

Agency

Engineering - Bicycle and Pedestrian

Proposal Name Munis #
Safe Routes Grants 11112

Proposal Description

This program provides funding to support the Safe Routes Grant Program. The grant program will pay 50% of a property owner's sidewalk assessment where new sidewalk is installed on eligible projects. Eligible projects include those projects to install sidewalk adjacent to an existing street where the right of way was annexed prior to 1981 and in which 75% of the properties are single family or two family dwelling units.

Proposal Type

Program

Section 2: Budget Information

Budget by Year

Funding Source		2018	2019	2020	2021	2022	2023
GF GO Borrowing		150,000	150,000	150,000	150,000	150,000	150,000
	Total	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Expense Category		2018	2019	2020	2021	2022	2023
Other		150,000	150,000	150,000	150,000	150,000	150,000
	Total	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000

Section 3: Proposal

Minor Projects

List the minor projects, estimated amounts and locations currently planned for 2017

Minor Project Name	Estimated Cost	Minor Project Location
Unallocated		

Service Level

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

End Product	Product Unit	# of Units Provided
Street	Miles	

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

o 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?

The project improves safety of our neighborhoods.

How is the outcome currently being measured?

NA

Operating Costs

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

None

Matching Funds

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

Section 1: Identifying Information

Agency

Engineering - Bicycle and Pedestrian

Proposal Name
Safe Routes to School
Munis #
10548

Proposal Description

This program seeks to promote walking and biking to school by improving the infrastructure surrounding school zones to reduce motor vehicle speeds. The program also provides for improvements that decrease potential conflict between bicyclists, pedestrians and motor vehicles, by establishing safer crossings, walkways, trails, and bikeways. Specific strategies utilized by the program include signs, lighting, and traffic calming installations.

Proposal Type

Program

Section 2: Budget Information

Budget by Year

Funding Source		2018	2019	2020	2021	2022	2023
GF GO Borrowing		91,000	96,000	101,000	106,000	111,000	117,000
	Total	\$91,000	\$96,000	\$101,000	\$106,000	\$111,000	\$117,000
Expense Category		2018	2019	2020	2021	2022	2023
0.1		01.000	06.000	101 000	100.000	111 000	117.000
Other		91,000	96,000	101,000	106,000	111,000	117,000

Section 3: Proposal

Minor Projects

List the minor projects, estimated amounts and locations currently planned for 2017

Minor Project Name	Estimated Cost	Minor Project Location
Unallocated		

Service Level

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

End Product	Product Unit	# of Units Provided
Street	Miles	

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

20-30 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?

This program encourages healthy and active lifestyles from an early age and facilitates the planning, development, and implementation of projects and activities that would improve safety and reduce traffic, fuel consumption, and air pollution in the vicinity of schools.

How is the outcome currently being measured?

NA

Operating Costs

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

New sidewalks may require maintenance.

Matching Funds

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

Section 1: Identifying Information

Agency

Engineering - Bicycle and Pedestrian

Proposal Name
Sidewalk Program
10148

Proposal Description

This program funds the repair of defective sidewalk, incidental repair of curb and gutter, and installation of new sidewalk as requested by property owners or as ordered by the Common Council. The program also installs handicap ramps and funds the Sidewalk Rebate Program which assists with lowering the costs to individual property owners paying for necessary repairs to public sidewalks. Each year, the Sidewalk Repair Program repairs sidewalk in two aldermanic districts, resulting in a 10-year replacement cycle.

Proposal Type

Program

Section 2: Budget Information

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
GF GO Borrowing	1,580,000	1,659,000	1,742,000	1,829,000	1,920,000	2,016,000
Special Assessment	852,000	895,000	940,000	987,000	1,036,000	1,088,000
Tota	\$2,432,000	\$2,554,000	\$2,682,000	\$2,816,000	\$2,956,000	\$3,104,000
Expense Category	2018	2019	2020	2021	2022	2023
Other	2,432,000	2,554,000	2,682,000	2,816,000	2,956,000	3,104,000
Tota	\$2,432,000	\$2,554,000	\$2,682,000	\$2,816,000	\$2,956,000	\$3,104,000

Section 3: Proposal

Minor Projects

List the minor projects, estimated amounts and locations currently planned for 2017

Minor Project Name	Estimated Cost	Minor Project Location
Districts 3 & 16	\$2,132,000	
Citywide Request	\$150,000	
Sawcutting	\$150,000	

Service Level

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

End Produ	ct	Product Unit	# of Units Provided
Street	Miles		

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

50 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?

The project improves safety and the appearance of our neighborhoods by replacing the deteriorated sidewalk.

How is the outcome currently being measured?

The project is being measured by repairing all aldermanic districts in the City once in every ten years.

Operating Costs

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

New sidewalks may require maintenance.

Matching Funds

Have matching funds been secured for any projects within the program? ○ Yes ○ No

Section 1: Identifying Information

Agency

Engineering - Bicycle and Pedestrian

Proposal Name Munis #
West Towne Path 10165

Proposal Description

This project is for the construction of a bicycle and pedestrian path that connects the existing West Towne Path at Struck Street to the Ice Age Junction Path at S. Junction Road. The project will increase bike and pedestrian mobility on the west side of Madison and provide a vital connection to a major north-south bike path extending from Verona to north of Mineral Point Road and roughly paralleling County Highway M.

Proposal Type

Project

Section 2: Budget Information

Total Project Budget \$8,685,000

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
GF GO Borrowing	210,000	50,000	1,568,000	1,266,000	1,220,000	
Federal Sources			1,572,000	864,000	1,830,000	
Reserves Applied - Stormwater	50,000		55,000			
Total	\$260,000	\$50,000	\$3,195,000	\$2,130,000	\$3,050,000	\$0
Expense Category	2018	2019	2020	2021	2022	2023
Bike Path	210,000		2,620,000	1,440,000	3,050,000	
Land		50,000	520,000	690,000		
Stormwater Network	50,000		55,000			
Total	\$260,000	\$50,000	\$3,195,000	\$2,130,000	\$3,050,000	\$0

Section 3: Proposal

Project Status

What is the location of the proposed project?

West Towne Path (Junction to Grand Canyon)

Is the property currently owned by the City of Madison?

Yes ○ No

What is the current status of the project?

Schematic Design

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Schematic Design	Schematic Design	Construction	Construction	Construction	Construction Completion

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset
Existing Asset

Is this project called for in an approved master plan?

Yes O No

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

It completes connection as shown in Madison Metropolitan Planning Organization Bike Plan

What is the desired outcome of the proposed project?

The project completes the path as planned

How will this outcome be measured?

Miles

Operating Costs

Will the proposed project result in operational efficiencies and/ No	<u> </u>
What's the annual operating costs associated with the project?	
Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.	
A new path will require maintenance.	
<u>Matching Funds</u>	
Have matching funds been secured for the project?	
Yes ○ No	
Are these funds formally committed?	
Yes ○ No	
What is the name of the fund provider and the name of the gra	nt? What are the match requirements of the external funding sources?
Federal Transportation Alternative Program (Fed 60%, Cit	y 40%)