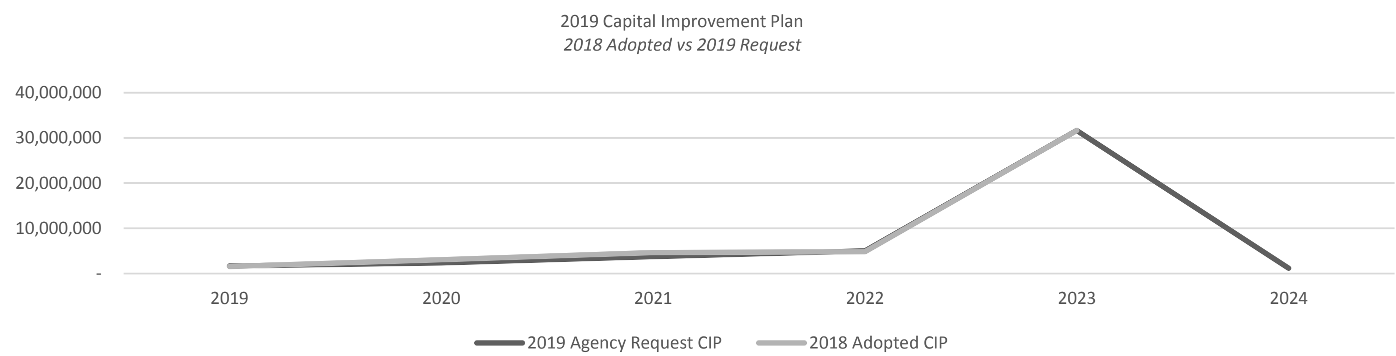
Streets Division

Capital Improvement Plan

Project Summary

	Agency Priority	2019	2020	2021	2022	2023	2024
Streets Emerald Ash Borer	2	801,036	801,036	801,036	801,036	801,036	-
Streets Equipment	1	245,000	615,000	1,030,000	828,000	693,000	818,000
Streets Far West Facility	1	-	-	1,800,000	3,200,000	30,000,000	-
Streets Minor Building Imp and Rep	4	221,000	310,000	120,000	205,000	148,000	120,000
Streets Yard Improvements	3	430,000	675,000	-	-	-	250,000
Total		**$ 1,697,036**	**$ 2,401,036**	**$ 3,751,036**	**$ 5,034,036**	**$ 31,642,036**	**$ 1,188,000**

Changes from 2018 CIP



Program Adjustments

- Streets Emerald Ash Borer: program budget decreased in out-years ($1.4m)
- Streets Minor Building Improvement and Repair: program budget increased in out-years ($0.1m)
- Streets Yard Improvements: Phase 1 of Salt Shed project moved from 2020 to 2019; Additional funding added in 2024 for Yard Waste Sites.

Public Works & Transportation
Streets Division
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May 4, 2018

To: David Schmiedicke, Finance Department

From: Charlie Romines, Streets Division

Subject: Streets Division 2019 Capital Budget Requests

The Streets Division 2019 capital budget reflects careful consideration of the City's fiscal situation in the face of growing infrastructure needs. The primary goal of our 2019 proposal is to continue with our commitments as laid out in the City's Emerald Ash Borer Mitigation Plan along with our ongoing efforts to efficiently provide essential Streets Division services related to the health and safety of our residents and visitors.

Our 2019 submission not only stays within overall budget instructions but includes a cut of three additional positions related to the EAB Mitigation Capital Program saving the Capital Budget $120,000 in addition to a General Fund savings of $60,000 related to those positions. Other Streets Capital funding requests are required to maintain current infrastructure as well as respond to the City's westward expansion.

I look forward to further discussing our capital proposal in the coming weeks.

Sincerely,

Charlie Romines
Superintendent
Streets Division

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Streets Division

Proposal Name

Streets Emerald Ash Borer

Project Category

Other

Project Number

12502

Proposal Description

This program is for the Streets Division component of the Emerald Ash Borer (EAB) mitigation efforts. The goal of the program is to grind all brush and logs that are disposed of in the mitigation efforts, and provide stump removal mats to prevent erosion where trees are removed near shorelines. This is an ongoing program for the EAB mitigation process and the need for specific resources to implement the necessary services is evaluated annually.

Proposal Type

Program

Priority

2

Section 2: Program Budget

Prior Authorization

	Budget	*Actual*	*Difference*
2015	132,610	223,589	-90,979
2016	982,565	364,463	618,102
2017	1,627,500	1,388,247	239,253
2018	1,292,600	32,280	1,260,320
Total	**4,035,275**	**2,008,581**	2,026,694

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
GF GO Borrowing	801,036	801,036	801,036	801,036	801,036	
Total	$801,036	$801,036	$801,036	$801,036	$801,036	$0

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Machinery and Equipment	304,779	304,779	304,779	304,779	304,779	
Other	464,257	464,257	464,257	464,257	464,257	
Other	32,000	32,000	32,000	32,000	32,000	
Total	$801,036	$801,036	$801,036	$801,036	$801,036	$0

Does this program have matching funds?

○ **Yes** ◉ **No**

Section 3: Minor Projects

2019

Planned Projects

Project	*Estimated Cost*	*Street Address*
EAB Remediation	$801,036	Entire City

Service Level

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

Asset Type	*Quantity*	*Description*

2020

Planned Projects

Project	*Estimated Cost*	*Street Address*

Project	Estimated Cost	Street Address
EAB Remediation	$801,036	Entire City

Service Level

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

Asset Type	Quantity	Description

2021

Planned Projects

Project	Estimated Cost	Street Address
EAB Remediation	$801,036	Entire City

Service Level

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

Asset Type	Quantity	Description

2022

Planned Projects

Project	Estimated Cost	Street Address
EAB Remediation	$801,036	Entire City

Service Level

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

Asset Type	Quantity	Description

2023

Planned Projects

Project	Estimated Cost	Street Address
EAB Remediation	$801,036	Entire City

Service Level

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

Asset Type	Quantity	Description

2024

Planned Projects

Project	Estimated Cost	Street Address

Service Level

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

Asset Type	Quantity	Description

Section 4: Program Justification

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

Grinding all the brush and logs into woodchips because of state requirement that the City of Madison dispose of at our designated site. Mats reduce the erosion level and keep the stormwater system clear of contaminants. Stumps are ground in a timely manner.

How is the outcome currently being measured?

Tonnage of chips produced by current grinding of brush coming in. Amount of brush we can process per hour. Number of mats used per stumps removed. Number of stumps ground and prepared for replanting equals number of ash trees City Forestry removes.

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Streets Division

Proposal Name

Streets Equipment

Project Category

Other

Project Number

10458

Proposal Description

This program is for the replacement of existing Streets equipment. The goal of this program is to ensure the operations and services provided by the Streets Division are continued by having safe and reliable equipment and machinery. In 2018 an automated dual arm refuse truck will be purchased. An increase in program funding in 2020 and 2021 encompasseses a tandem dump truck, four loaders, a patrol truck, a tractor, and paving equipment.

Proposal Type

Program

Priority

1

Section 2: Program Budget

Prior Authorization

	Budget	*Actual*	*Difference*
2015	1,806,354	966,964	839,390
2016	691,000	1,107,723	-416,723
2017	-458	304,077	-304,535
2018	298,000	0	298,000
Total	**2,794,896**	**2,378,764**	416,132

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
GF GO Borrowing	245,000	615,000	1,030,000	828,000	693,000	818,000
Total	$245,000	$615,000	$1,030,000	$828,000	$693,000	$818,000

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Machinery and Equipment	245,000	615,000	1,030,000	828,000	693,000	818,000
Total	$245,000	$615,000	$1,030,000	$828,000	$693,000	$818,000

Does this program have matching funds?

○ **Yes** ◉ **No**

Section 3: Minor Projects

2019

Planned Projects

Project	*Estimated Cost*	*Street Address*
RDS Tandem Dump w/spread and wing	$245,000	1501 W BADGER RD

Service Level

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

Asset Type	*Quantity*	*Description*
Machinery and Equipment	1	Tandem dump as addition to fleet

2020

Planned Projects

Project	*Estimated Cost*	*Street Address*
Patrol Trucks	$420,000	1501 W BADGER RD / 4602 SYCAMORE AVE
Toolcat	$60,000	1501 W BADGER RD

Project	Estimated Cost	Street Address
Brine Trailer	$135,000	121 E OLIN AVE

Service Level

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

Asset Type	Quantity	Description
Machinery and Equipment	2	Patrol Trucks as addition to fleet
Machinery and Equipment	1	Toolcat as addition to fleet
Machinery and Equipment	1	Brine Trailer as addition to fleet

2021

Planned Projects

Project	Estimated Cost	Street Address
Patrol Trucks	$420,000	1501 W BADGER RD / 4602 SYCAMORE AVE
Rear Loader	$190,000	4602 SYCAMORE AVE
Loader	$230,000	1501 W BADGER RD
Tractor	$190,000	1501 W BADGER RD

Service Level

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

Asset Type	Quantity	Description
Machinery and Equipment	2	Patrol Trucks as addition to fleet
Machinery and Equipment	1	Rear Loader as addition to fleet
Machinery and Equipment	1	Loader as addition to fleet
Machinery and Equipment	1	Tractor as addition to fleet

2022

Planned Projects

Project	Estimated Cost	Street Address
Single Automated	$310,000	1501 W BADGER RD
Snow Dragon	$443,000	1501 W BADGER RD
Snow Blower	$75,000	1501 W BADGER RD

Service Level

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

Asset Type	Quantity	Description
Machinery and Equipment	1	Single Automated Truck as addition to fleet
Machinery and Equipment	1	Snow Dragon to melt piles of snow as addition to fleet
Machinery and Equipment	1	Snow Blower to help with snow removal as addition to fleet

2023

Planned Projects

Project	Estimated Cost	Street Address
Patrol Trucks	$443,000	1501 W BADGER RD / 4602 SYCAMORE AVE
Paving Equipment	$250,000	4602 SYCAMORE AVE

Service Level

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

Asset Type	Quantity	Description
Machinery and Equipment	2	Patrol Trucks as addition to fleet
Machinery and Equipment	1	Paving Equipment as addition to fleet

2024

Planned Projects

Project	Estimated Cost	Street Address
RDS Tandem Dump w/spread and wing	$300,000	4602 SYCAMORE AVE
Patrol Trucks	$443,000	1501 W BADGER RD / 4602 SYCAMORE AVE
Toolcat	$75,000	4602 SYCAMORE AVE

Service Level

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

Asset Type	Quantity	Description
Machinery and Equipment	1	RDS Tandem dump as addition to fleet
Machinery and Equipment	2	Patrol Trucks as addition to fleet
Machinery and Equipment	1	Toolcat as addition to fleet

Section 4: Program Justification

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

Curbside services such as collection of brush, leaves, large items, refuse, and recycling to be completed in a timely manner, as well keeping the city safe during winter conditions.

How is the outcome currently being measured?

Providing services at the current level as the City continues to grow. Number of missed service complaints.

Notes

Notes:

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Streets Division

Proposal Name

Streets Far West Facility

Project Category

Facility

Project Number

11038

Proposal Description

This project will construct a Streets Division Facility at South Point Road on the City's west side. The goal of the facility is to provide a third location within the City for resident waste drop-off and to allow for more responsive delivery of Streets Division's services to the City. Planning will occur in 2021 and 2022; construction is planned for 2023. Anticipated annual operating costs for the facility includes salary and benefit costs of $700,000, and $200,000 for associated purchased services and supplies.

Proposal Type

Project

Priority

1

Section 2: Project Budget

Total Project Budget $35,000,000 **Prior Appropriation** $0

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
GF GO Borrowing			1,800,000	3,200,000	30,000,000	
Total	$0	$0	$1,800,000	$3,200,000	$30,000,000	$0

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Building			1,800,000	3,200,000	30,000,000	
Total	$0	$0	$1,800,000	$3,200,000	$30,000,000	$0

What is the methodology used to determine the budget for this project?

Current market rates plus a 3 year projection in increased costs for planning, design, and construction for the size of a facility that we need

Are any fleet equipment or vehicles being purchased within this project budget?

○ Yes ◉ No

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

○ Yes ◉ No

Section 3: Project Justification

Is this project called for in an approved master plan?

○ Yes ◉ No

What is the desired outcome of the proposed project?

The South Point facility will provide a third location within the City for resident recycling & expanded yard waste drop-off and to allow for Streets service delivery to meet the same standard across the city. This facility will also relieve crowding at our current facilities.

How will this outcome be measured?

Decreased time to provide services to our far west residents as well as fleet services savings through decreased expenses with fuel and maintenance.

Section 4: Project Scope & Status

What is the scope of project?

Full service facility for City of Madison residents to drop off recycling & yard waste materials. A fully functioning Streets facility that will deploy all available services to our residents.

PROPOSAL DESCRIPTION CHANGE: please take out sentence "The goal of the facility is to provide a third location in the City for resident waste drop-off and to allow for more responsive delivery of Streets Division's services to the City." and replace it with this sentence "Currently all Streets services from Junction Drive and west are delivered from the centrally located Badger Rd facility. As the City population continues to grow far west our ability to provide the same service levels to far west residents is undergoing significant strain."

Can this project be mapped?

◉ Yes ○ No **What is the street address of the project?**

402 SOUTH POINT RD

Is this project on the Project's Portal?

○ Yes ◉ No

What is the total project timespan (all years for all phases)?

Start Year: 2021 **End Year:** 2023

What is the current status of the project?

Planning

Planned Schedule

	2019	2020	2021	2022	2023	2024
Project Status			Schematic Design	Design Completion	Construction Completion	

Section 5: Operating Costs

What is the estimated annual operating costs associated with the project? $1,000,000

Personnel

# of FTEs	Annual Cost	Description
11	850,000	Positions include Salary & Benefits: PWGS, SGS, Foreman, Maint Coord, 3 Shop Crew, Op Clerk, Admin Clerk & 2 SMO1's. The 2 SMO1 positions will already be on board when the EAB remediation ends. We will need these 2 positions to help operate the full-time yard waste & recycling drop off site at South Point.

Non-Personnel

Major	Amount	Description
53XXX	50,000	Purchased Services
54XXX	50,000	Supplies
57XXX	50,000	Inter-Departmental

Notes

Notes:

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Streets Division

Proposal Name

Streets Minor Building Imp ar

Project Category

Facility

Project Number

12501

Proposal Description

This program provides for the replacement and upgrade of facility and grounds components at the Streets Division's two locations at Badger Road and Sycamore Avenue. The goal of the program is to replace and improve components of the buildings that are damaged, aged, or unsafe so that the services can continue to be provided at the required level.

Proposal Type

Program

Priority

4

Section 2: Program Budget

Prior Authorization

	Budget	*Actual*	*Difference*
2015	472,433	119,131	353,303
2016	365,950	64,886	301,064
2017	87,247	404,537	-317,290
2018	20,000	38,949	-18,949
Total	**945,631**	**627,503**	318,127

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
GF GO Borrowing	221,000	310,000	120,000	205,000	148,000	120,000
Total	$221,000	$310,000	$120,000	$205,000	$148,000	$120,000

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Other	221,000	310,000	120,000	205,000	148,000	120,000
Total	$221,000	$310,000	$120,000	$205,000	$148,000	$120,000

Does this program have matching funds?

○ **Yes** ◉ **No**

Section 3: Minor Projects

2019

Planned Projects

Project	*Estimated Cost*	*Street Address*
Overhead Doors	$20,000	1501 W Badger/4602 Sycamore/121 E Olin
Gutters	$50,000	4602 Sycamore
Building Maintenance and Repair	$141,000	1501 W Badger/4602 Sycamore/121 E Olin

Service Level

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

Asset Type	*Quantity*	*Description*
Other	N/A	Updates to our aging buildings and infrastructure

2020

Planned Projects

Project	*Estimated Cost*	*Street Address*

Project	Estimated Cost	Street Address
Potential Partnership of a Cold Storage Facility	$200,000	TBD
Overhead Doors	$20,000	1501 W Badger/4602 Sycamore/121 E Olin
Building Maintenance and Repair	$90,000	1501 W Badger/4602 Sycamore/121 E Olin

Service Level

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

Asset Type	Quantity	Description
Other	N/A	Updates to our aging buildings and infrastructure

2021

Planned Projects

Project	Estimated Cost	Street Address
Overhead Doors	$20,000	1501 W Badger/4602 Sycamore/121 E Olin
Building Maintenance and Repair	$100,000	1501 W Badger/4602 Sycamore/121 E Olin

Service Level

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

Asset Type	Quantity	Description
Other	N/A	Updates to our aging buildings and infrastructure

2022

Planned Projects

Project	Estimated Cost	Street Address
Overhead Doors	$20,000	1501 W Badger/4602 Sycamore/121 E Olin
Building Maintenance and Repair	$185,000	1501 W Badger/4602 Sycamore/121 E Olin

Service Level

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

Asset Type	Quantity	Description
Other	N/A	Updates to our aging buildings and infrastructure

2023

Planned Projects

Project	Estimated Cost	Street Address
Overhead Doors	$20,000	1501 W Badger/4602 Sycamore/121 E Olin
Building Maintenance and Repair	$128,000	1501 W Badger/4602 Sycamore/121 E Olin

Service Level

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

Asset Type	Quantity	Description
Other	N/A	Updates to our aging buildings and infrastructure

2024

Planned Projects

Project	Estimated Cost	Street Address
Overhead Doors	$20,000	1501 W Badger/4602 Sycamore/121 E Olin
Building Maintenance and Repair	$100,000	1501 W Badger/4602 Sycamore/121 E Olin

Service Level

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

Asset Type	Quantity	Description
Other	N/A	Updates to our aging buildings and infrastructure

Section 4: Program Justification

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

Public Works buildings have no direct impact, however, well maintained buildings & facilities lead to safer and more efficient work places and delivery of services.

How is the outcome currently being measured?

Utility use, employee accidents related to facility failure.

Notes

Notes:

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Streets Division

Proposal Name

Streets Yard Improvements

Project Category

Facility

Project Number

12503

Proposal Description

This program maintains and improves the Street Division's two drop-off sites allowing services provided by the Streets Division to continue effectively. Projects planned for 2018 include resurfacing the parking lots at Sycamore Avenue and Transfer Station on Olin Avenue.

Proposal Type

Program

Priority

3

Section 2: Program Budget

Prior Authorization

	Budget	*Actual*	*Difference*
2015	0	0	0
2016	625,000	0	625,000
2017	0	512,466	-512,466
2018	331,700	0	331,700
Total	**956,700**	**512,466**	444,234

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
GF GO Borrowing	430,000	675,000				250,000
Total	$430,000	$675,000	$0	$0	$0	$250,000

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Building	410,000	495,000				250,000
Other	20,000	180,000				
Total	$430,000	$675,000	$0	$0	$0	$250,000

Does this program have matching funds?

○ **Yes** ◉ **No**

Section 3: Minor Projects

2019

Planned Projects

Project	*Estimated Cost*	*Street Address*
Salt Building part 1 of 2	$410,000	1501 W Badger Rd
Brine Storage and Loading Pump and Tank	$20,000	402 South Point

Service Level

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

Asset Type	*Quantity*	*Description*
Building	1	Salt shed to store salt for winter operations
Other	1	Brine storage loading pumps and tanks will help our crews be more efficient as they are able to respond quicker to the needs of the city streets during winter storm forecasts

2020

Planned Projects

Project	Estimated Cost	Street Address
Salt Building part 2 of 2	$400,000	1501 W Badger Rd
Crack and Chip sealing pavement	$180,000	1501 W Badger Rd
Cold Storage Shed	$95,000	4602 Sycamore

Service Level

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

Asset Type	Quantity	Description
Building	1	Salt shed to store salt for winter operations
Other	N/A	Crack and chip seal the yard pavement to preserve and extend the life
Building	1	This will be a 40 x 60 foot shed on the right side of our salt shed

2021

Planned Projects

Project	Estimated Cost	Street Address

Service Level

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

Asset Type	Quantity	Description

2022

Planned Projects

Project	Estimated Cost	Street Address

Service Level

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

Asset Type	Quantity	Description

2023

Planned Projects

Project	Estimated Cost	Street Address

Service Level

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

Asset Type	Quantity	Description

2024

Planned Projects

Project	Estimated Cost	Street Address
Upgrades to our yard waste sites	$250,000	1501 W Badger / 4602 Sycamore / 402 South Point

Service Level

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

Asset Type	Quantity	Description
Building	3	Building structures where residents can purchase stickers on site during all yard open hours

Section 4: Program Justification

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

The salt building provides no desired outcome for the customer. The salt building is for internal use only. The salt in the building will provide better driving conditions for the users of our city streets.
Brine storage loading pumps and tanks will help our crews be more efficient as they are able to respond quicker to the needs of the city streets during winter storm forecasts.
The crack sealing and chip sealing program will extend the useful life of the paved yard by 10 to 15 years

How is the outcome currently being measured?

Traffic count, tonnage of recycling and yard waste collected, safety of site users.

Notes

Notes: