
2018 CAPITAL IMPROVEMENT PLAN

FINANCE COMMITTEE OVERVIEW



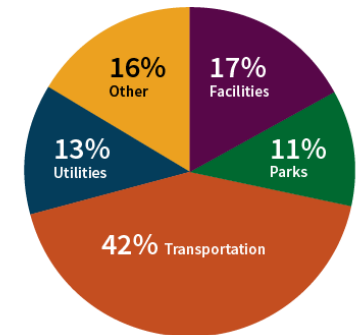
2018 CIP: BY THE NUMBERS

- The 2018 Executive CIP will authorize **\$84.7m** in GO Borrowing for new projects in 2017, up **\$2.1m** from what was anticipated in the 2017 CIP
- The 2018 Executive CIP seeks to stagger major facility projects while absorbing **\$27.2m** in lost federal funding for Metro's capital program
- The total GO Borrowing reauthorization is **\$67.0m**, up from \$49.2m reauthorized in 2017 due to major facility projects
 - The proposed reauthorization amount is 49.7% of the total GO borrowing authorized in 2017
 - Major Reauthorizations
 - MMB: \$9.0m
 - Midtown: \$4.1m
 - Pinney: \$8.0m
 - Garver: \$1.1m
- The 2018 CIP will authorize **\$151,951,197** in GO Borrowing for 2018
 - 2017 GO Borrowing=\$170,522,355

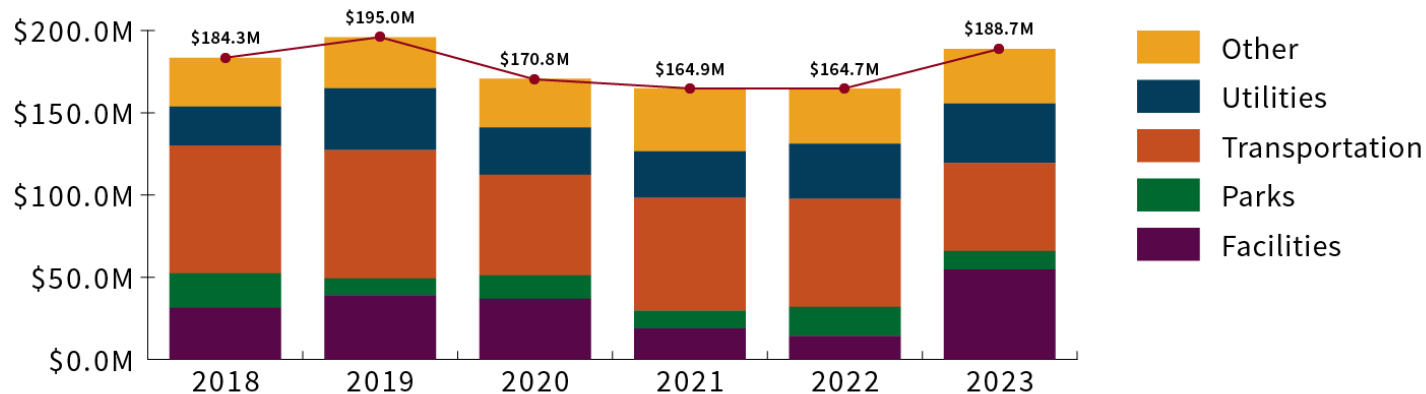
FUNDING THE CAPITAL BUDGET

- 46% of the capital program is funded through GO Borrowing
- 42% of the total budget supports transportation related projects
- After peaking in 2019, the CIP holds steady at \$165-170m from 2020 to 2022
 - Growth in 2023 is attributed to the Reindahl Library & Streets Far West Facility

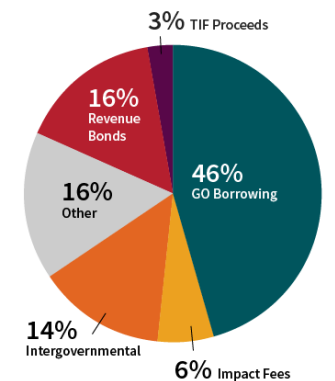
How the \$ is Spent



Budget by Category by Year

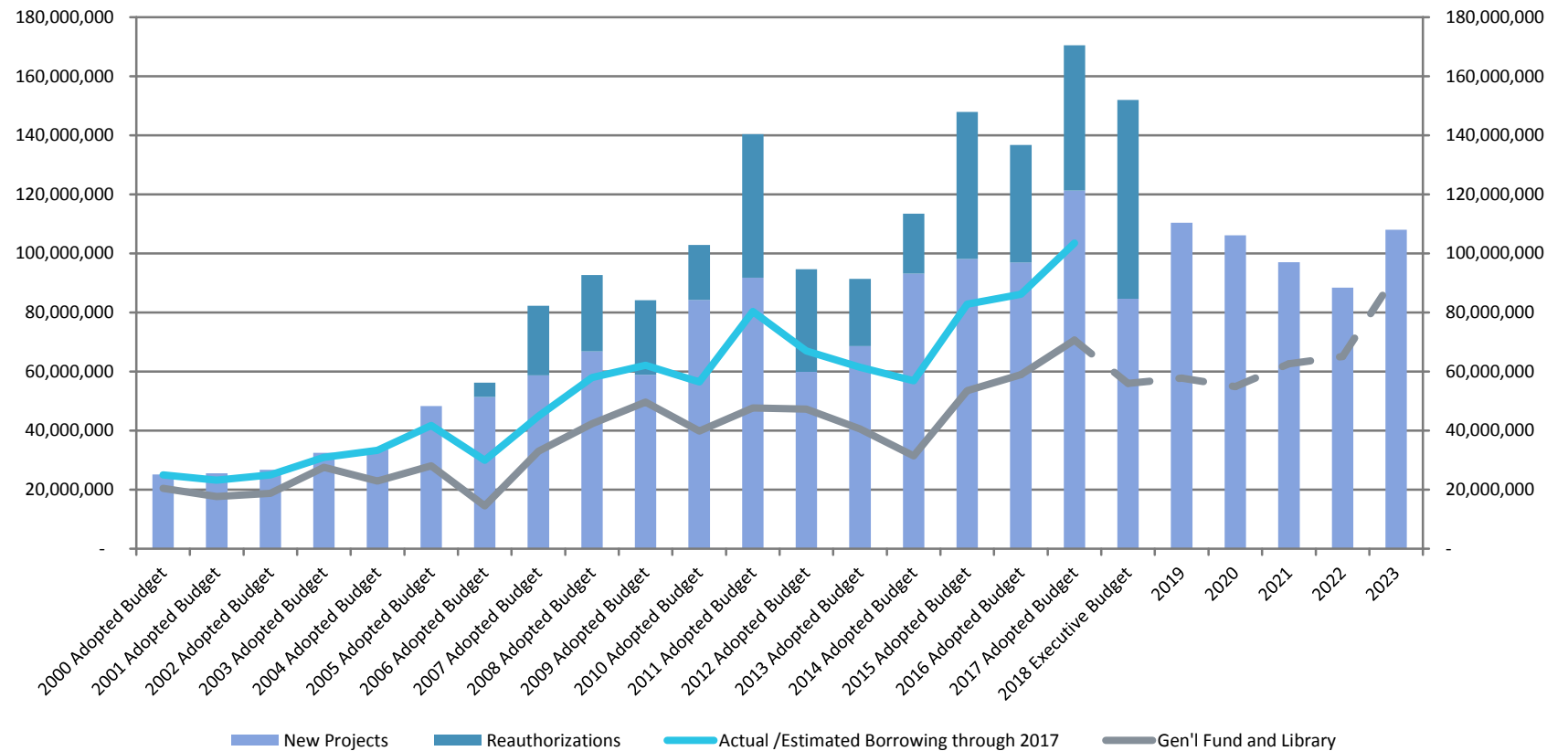


Where the \$ Comes From



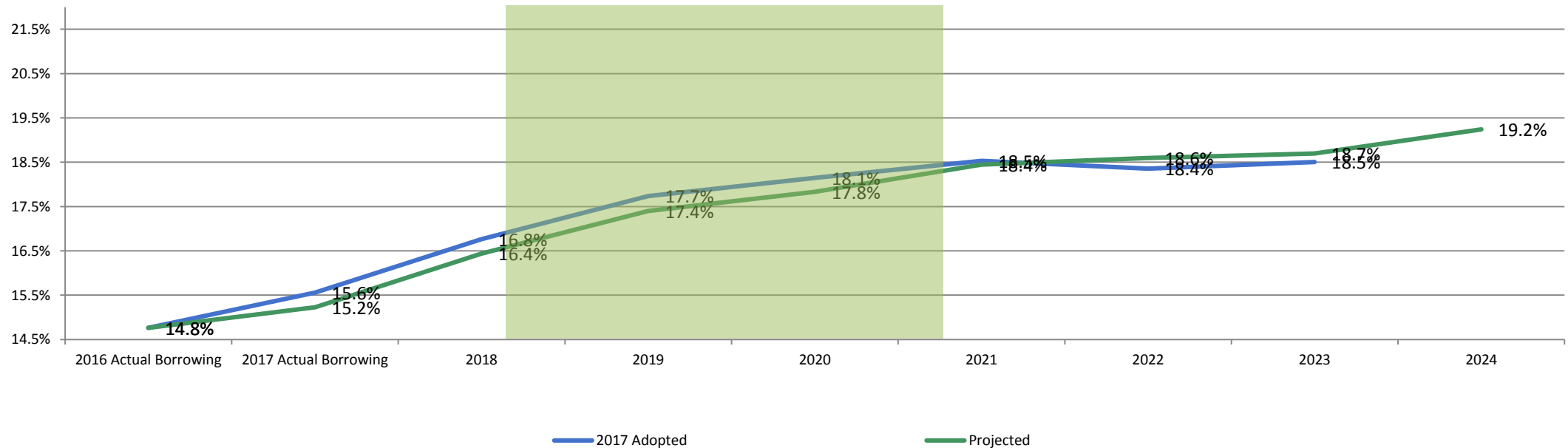
REAUTHORIZATION TRENDS

- The 2018 Executive CIP reauthorizes \$141.7m for projects that will carry forward from 2017
- Facility projects represent the largest share of reauthorized projects
- Key Reauthorizations:
 - Madison Municipal Building Renovation: \$9.0m
 - Capitol East Parking Garage: \$5.0m
 - Pinney Library: \$8.0m
 - Midtown Police Station: \$4.1m
 - Garver Feed Mill: \$1.1m



DEBT SERVICE TRENDS

Debt Service Share of General Fund Expenditures



Key Assumptions: 33% of each CIP year reauthorized to subsequent year; total budget increases 3% per year; 20 year borrowing equivalent to MMB remodel.

2018

GO=\$84.7m
Monroe Street: \$10.5m
Fire Station 14: \$6.3m
Olbrich: \$4.5m
Ice Age Junction Path:\$1.1m
County Hwy M: \$3.2m

2019

GO=\$109.2m
Fleet Relocation: \$29.2m
Buckeye Rd: \$1.4m
W Wash-Regent to Bedford: \$1.9m
County Hwy M: \$1.6m
Johnson St-Baldwin to 1 st :\$2.4m
Starkweather Coagulant Treatment: \$3.5m

2020

GO=\$83.9m
Metro Satellite Facility: \$15.0m
Cottage Grove Road: \$1.4m
S Gammon Rd: \$2.8m
W Towne Path: \$1.6m

2021

GO=\$92.7m
Metro E Wash Renovations: \$7.6m
Atwood Ave- Fair Oaks-CGR:\$3.5m
W Towne Path=\$1.3m
Park St (Olin to RR): \$1.5m

2022

GO=\$86.3m
University Ave: \$2.2m
W Towne Path: \$1.2m
Fire Station 6: \$2.5m
North East Park: \$3.8m

2023

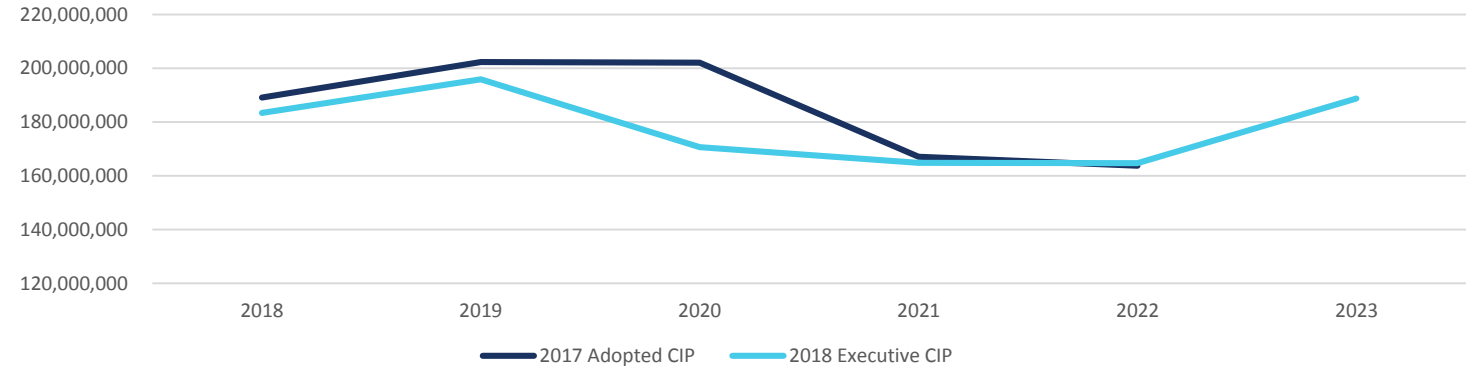
GO=\$115.9m
Streets Far West: \$30.0m
Reindahl Library: \$10.5m
Bus Rapid Transit Planning: \$0.1m

Major Projects by Year (GO-Funded Projects Only)

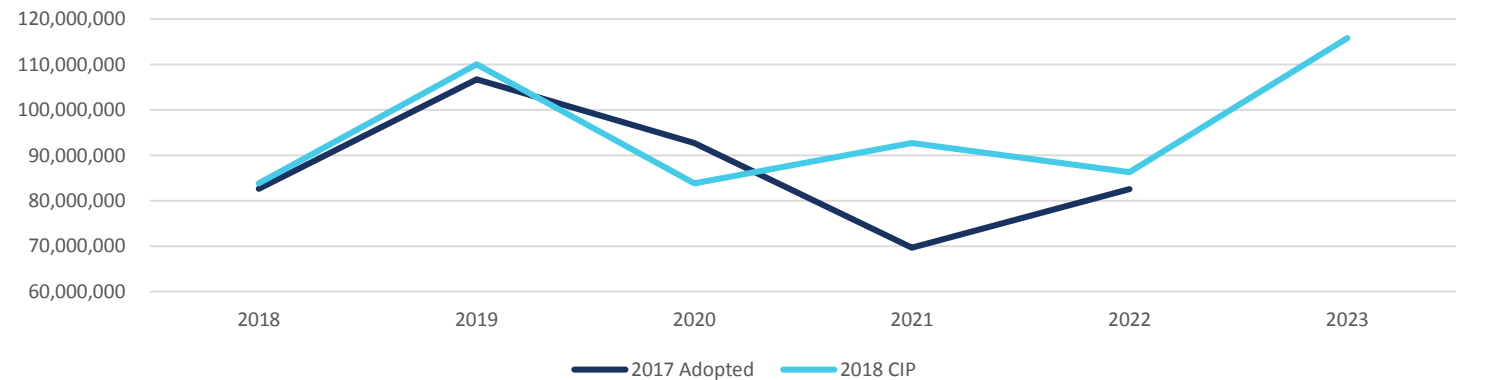
2018 Changes

- GO Borrowing up \$2.1m
 - Increased scope for Fire Station 14 (+\$1.25m)
 - Final portion of the MMB construction from 2019 to 2018 (+\$1.3m)
 - Initial Planning for the Reindahl Library (+\$0.5m)
- Other Changes
 - Moved Bus Rapid Transit to 2023
 - Fund Public Market construction through City share of closing TIF districts & premium from 2017 borrowing

Capital Improvement Plan Variances-All Funds
2017 Adopted vs 2018 Executive



Capital Improvement Plan Variances-GO Borrowing
2017 Adopted vs 2018 Executive



VARIATIONS FROM 2017

The background of the slide is a photograph of the City of Madison, Wisconsin. On the right side, the Wisconsin State Capitol building is visible, featuring its iconic white dome. To the left, there are modern multi-story office buildings with large glass windows. The scene is set against a blue sky with scattered white clouds. In the foreground, there are green trees and bushes. At the top of the slide, there are three horizontal bars: a dark blue bar on the left, a medium blue bar in the middle, and a light grey bar on the right.

City of Madison

2018 Capital Improvement Plan

MAPPING THE CAPITAL BUDGET

www.cityofmadison.com/budget

Monona Terrace

2018 Capital Budget

Finance Committee Budget Presentation

Gregg McManners

Budget Highlights

1. Our goal is to maintain Monona Terrace in a first class manner consistent with the iconic nature of the building and its reputation.
2. The building age (20 years old as of July 18) requires a heightened awareness and study of the useful life of machinery, equipment and building mechanicals.
3. The moveable walls will be a priority in 2018 as the track systems and mechanisms will be refurbished to “Grand Opening” condition.
4. Furniture especially geared toward “placemaking” and “networking” are in demand by our customers. The intent is to create more of those spaces both in and outside of Monona Terrace.

Building and Building Improvements

Background

- Goal: Continue to reinvest in Monona Terrace to maintain our position in the convention and meeting market.
- Asset Type: Building improvements

Planned Projects

- Airwall Repair
- Network Edge Switch Replacement
- Ceiling re-spray

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO Borrowing		200,000					
Room Tax		175,000	405,000	410,000	385,000	615,000	3,755,000
TOTAL		375,000	405,000	410,000	385,000	615,000	3,755,000

Machinery and Other Equipment

Background

- Goal: Strive to maintain Monona Terrace’s iconic image, and improve our equipment and facility to meet the current demands of the market.
- Asset Type: Equipment

Planned Projects

- Video Switcher Replacement
- HVAC Chiller Inspection (Eddy Currents)
- Industrial Equipment
- Cooling Tower
- Common Area furniture – Grand View Café, Bench on 4-East, Olin Terrace
- 3 foot stage and ramps, and a 5-step stairway

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Room Tax		383,000	485,000	610,000	500,000	320,000	870,000
TOTAL		383,000	485,000	610,000	500,000	320,000	870,000

Public Health

2018 Capital Budget

Finance Committee Budget Presentation

Janel Heinrich

Budget Highlights

There are two projects in PHMDC's 5 year CIP

1. Remodel of office space
2. Replacement of laboratory equipment

Remodel of Office Space

Background

- Project Goal: Improve space utilization and energy efficiency within existing PHMDC downtown office space.
- Scope: Full renovation of PHMDC downtown offices including new electrical, HVAC, and space configuration.

Schedule

- 2017: Planning and securing temporary office space
- 2018: Construction and temporary relocation of staff
- 2019: Furniture, fixtures and equipment

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO Borrowing		1,434,328					
TOTAL		\$1,434,328					

Replacement of Laboratory Equipment

Background

- Goal: Ensure that critical lab equipment is replaced with minimal down time
- Asset Type: Inductively coupled plasma mass spectrometry equipment

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non- GF GO							
Borrowing				179,000			
TOTAL				\$179,000			

CDA Redevelopment

2018 Capital Budget

Finance Committee Budget Presentation

Natalie Erdman

Budget Highlights

1. Village on Park—Funding for final phase of roof replacement
2. Mosaic Ridge--Use of Allied Drive Fund reserves to continue the funding construction of single family homes
3. Public Housing Redevelopment—Funds for planning activities for Truax Redevelopment Phase 3, Triangle Redevelopment and Teresa Terrace duplex redevelopment

Village on Park

Major sections of roof, asbestos abatement and Alley Storm work are being done in 2017

2018 funding will replacement the final section of old roof

Background

- Project Goal: Maintain Existing Facilities
- Scope: Replacement of Roofs

Schedule

- 2017: Under Construction
- 2018: Construction Completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO							
Borrowing	812,000	170,000					
Reserves Applied		25,000					
TOTAL	\$812,000	\$195,000					

Redevelopment of Public Housing

Background

- Goal: Improve the Quality of Affordable Housing and Strengthen Neighborhoods
- Asset Type: Buildings

Planned Projects

- Triangle Redevelopment Planning
- Phase 3 of Truax Park Redevelopment Planning
- Theresa Terrace Redevelopment Planning and Development

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO							
Borrowing	268,794	100,000	150,000	250,000			200,000
Reserves Applied		100,000					
TOTAL	\$268,794	\$200,000	\$150,000	\$250,000			\$200,000

Mosaic Ridge on Allied Drive

The CDA may build a speculative home or provide construction funding with the funds

The use of reserves is revolving as homes are sold and construction loans repaid

Some funding may provide subsidy for low income homeowners. Subsidy would not be repaid

Background

- Project Goal: Provide Quality Affordable Housing and Strengthen Neighborhoods
- Scope: Support the Sale of New Homes in the Allied Drive Neighborhood

Schedule

- 2017: Under Construction
- 2018: Under Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied		500,000	500,000				
TOTAL		\$500,000	\$500,000				

Community Development

2018 Capital Budget

Finance Committee Budget Presentation

Jim O'Keefe

Budget Highlights

- Completes renovation of the Park Edge Park Ridge Neighborhood Employment Center for Q2 2018 opening
- Re-news City's commitment to assist with a replacement facility for the Bridge Lake Point Waunona Neighborhood Center
- Sustains and extends the City's commitment to expand the supply of affordable housing
 - Currently within 5% of 5-year production goals
 - Fully 75% of AHF to be financed with proceeds from retiring TIDs, reducing the need for GO Borrowing by \$20M over the course of the CIP

Park Edge Park Ridge Neighborhood Employment Center

Funding for this project has been previously authorized.

Background

- Project Goal: Provide space for a neighborhood-focused employment center in the Park Edge/Park Ridge neighborhood
- Scope: Renovate a property, previously acquired by the City, to enable its use as an employment services venue for both adults and youth

Schedule

- 2017: Complete bid specifications, select contractor, begin renovation
- 2018: Complete renovation, open facility

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	500,000						
Reserves Applied							
TOTAL	\$500,000						

Bridge Lake Point Waunona Neighborhood Center

Project hinges on gaining neighborhood consensus

Proposal matches previous City commitment of \$2 million

Financing draws on CDBG, TIF cash balance and private funds

Background

- Project Goal: Provide adequate community space to accommodate resident needs in Bridge, Lake Point, Waunona neighborhoods
- Scope: Create larger, more usable public space to better serve residents

Schedule

- 2017: Engage residents in conversations to determine project parameters
- 2018: Undertake planning and design work
- 2019: Begin construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Federal Sources		1,400,000					
Private Contribution			500,000				
Reserves applied		600,000					
TOTAL		\$2,000,000	\$500,000				

Economic Development Division

2018 Capital Budget

Finance Committee Budget Presentation

Matthew B. Mikolajewski

Budget Highlights

1. Madison Public Market
2. Business park maintenance and marketing
3. Continuation of economic development programs:
 - a) Cooperative Enterprise Development Program
 - b) Entrepreneurship & Small Business Development Resource Fund
 - c) Healthy Retail Access Program
 - d) Capitol East District implementation planning

Public Market

Background

- Project Goal: Start and grow food businesses; strengthen food economy
- Scope: Land acquisition, planning, design, site preparation, and construction

Schedule

- 2017: Design
- 2018: Design and Construction
- 2019: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	1,200,000						
Federal Sources		3,000,000					
Private Contribution		2,500,000					
Reserves Applied		3,050,000					
Transfer in from General Fund		3,250,000					
TOTAL	\$1,200,000	\$11,800,000					

Cooperative Enterprise Development

This will be the second of five years of funding budgeted for this effort. Contracts with service providers were executed this year.

Background

- Goal: Job retention/creation through cooperative business development
- Asset Type: Loans and technical assistance

Planned Projects

- Loans to existing/proposed business cooperatives
- Technical assistance to existing/proposed business cooperatives

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		600,000	600,000	600,000	600,000		
Reserves Applied							
TOTAL		\$600,000	\$600,000	\$600,000	\$600,000		

Entrep. & Small Business Resource Fund

This will be the second of two years of funding budgeted for this effort. Contracts with service providers were executed this year.

Background

- Goal: New jobs through high-tech firms with women and minority-owned emphasis
- Asset Type: Loans and technical assistance

Planned Projects

- Loans to existing/proposed high tech firms
- Technical assistance to existing/proposed high-tech firms

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		300,000					
Reserves Applied							
TOTAL		\$300,000					

Planning Division

2018 Capital Budget

Finance Committee Budget Presentation

Heather Stouder

Budget Highlights

1. Municipal Art Fund
2. Inter-city Intermodal Bus Terminal
3. Carryover of Existing Projects

Inter-city Intermodal Bus Terminal

Background

- Project Goal: Position City for potential federal funding opportunities for inter-city, intermodal bus terminal.
- Scope: Feasibility study and design of an intercity, intermodal bus terminal in conjunction with the reconstruction of the Lake Street parking structure.

Schedule

- 2022: Planning

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing						350,000	
Reserves Applied							
TOTAL						\$350,000	

Historic Preservation Plan

Background

- Project Goal: A comprehensive framework for historic preservation policies and programs to provide predictability regarding historic resources.
- Scope: Update local historic district ordinances, compile histories on underrepresented communities to determine significance and treatment of historic resources, and prepare preservation plan document to guide the historic preservation program in the City of Madison.

Schedule

- 2018: Planning Process and Ordinance Revisions (continued from 2017)
- 2019: Plan Completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	40,000						
Transfer in from General Fund	90,000						
TOTAL	\$130,000						

Oscar Mayer Subarea Plan

Background

- Project Goal: Position the Oscar Mayer site and surrounding area for redevelopment beneficial to the City as a whole and integrated with its surroundings.
- Scope: Two-phased planning process to include a strategic assessment of the Oscar Mayer site and immediate surrounding area and a subarea plan to set expectations for the future land uses and multi-modal transportation connections to and through the site upon redevelopment.

Schedule

- 2018: Plan Completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	100,000						
Reserves Applied							
TOTAL	\$100,000						

Urban Footprint Scenario Planning

Background

- Project Goal: Utilize Urban Footprint as a modelling tool to inform policy decisions related to the Comprehensive Plan and long term growth of the City of Madison.
- Scope: Following the creation and calibration of the Urban Footprint modelling tool for the Madison region (completed in 2017), the impacts of different growth scenarios will be communicated as part of the Comprehensive Plan Update process.

Schedule

- 2018: Complete Use of Urban Footprint in Comprehensive Plan Update Process

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	30,000						
Reserves Applied							
TOTAL	\$30,000						

Library

2018 Capital Budget

Finance Committee Budget Presentation

Library Director Gregory Mickells

Budget Highlights

- Completion of Maintenance Service and Support Center
- Continue design process for Relocated Pinney Library
- Begin community engagement for future program of Reindahl Park Library

Central Library Improvements

Central Library will have received millions of visits by this point. In a facility this large, a special project will be required to address wear and aged building elements.

Background

- Project Goal: Replace/refurbish most heavily impacted building elements of Central Library after 10 years of public use.
- Scope: Flooring, mechanicals, painting, casework, and furniture

Schedule

- 2022: Identify building elements to be replaced/refurbished, complete project

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing						\$1,000,000	
TOTAL						\$1,000,000	

Library Major Repairs and Replacements

This program focuses on reducing operating costs through such replacements as LED lighting and more sophisticated building system controls. Through the recommissioning process, aged or inefficient building elements are identified for replacement.

Background

- Goal: Maintain all Madison Public Library facilities for maximum safety, efficiency, sustainability, and comfort.
- Asset Type: Building/Mechanical/Equipment

Planned Projects

- Carpet replacement Goodman South Madison Library
- Replace worn out boilers at Goodman South Madison Library
- Carpet replacement and painting at Alicia Ashman Library
- LED lighting upgrade at Central Library

Budget

	2018	2019	2020	2021	2022	2023
GF GO Borrowing	\$130,000	\$130,000	\$140,000	\$150,000	\$150,000	\$150,000
TOTAL	\$130,000	\$130,000	\$140,000	\$150,000	\$150,000	\$150,000

Maintenance Support Center

When the Central Library was renovated in 2012-2013, approximately 15,000 square feet of storage, shop, and garage space were removed to accommodate Central's public oriented program. The 15,000 square foot Badger Road Service and Support Center restores this Library support function.

Background

- Relocate support services removed from Central Library renovation.

Schedule

- Completion in fall of 2017

Budget \$3,458,000

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	\$775,000						
Private Funding							
TOTAL							

Reindahl Park Library

This project envisions a robust community engagement process similar to the effort which produced the Library's East Side Strategic Plan.

Background

- Project Goal: Partner with the City Parks Dept to provide a community hub and civic presence to the under-served Northeast area. Partner with multiple agencies--both public and private—to promote literacy, reduce crime, spark economic growth, improve the health of area residents, and create a welcoming learning and gathering space.
- Scope: Construct a 40,000 square foot facility within Reindahl Park.

Schedule

- 2017: Approval of project
- 2018: Begin community engagement
- 2019: Continue community engagement
- 2020: Complete community engagement, prepare program for delivery to design team
- 2021: Begin design phase, complete by end of the year
- 2022: Bid for general contractor, assemble construction team
- 2023: Construction

Budget

	2018	2019	2020	2021	2022	2023
GF GO Borrowing	\$500,000			\$600,000	\$500,000	\$10,500,000
Private Funding				\$500,000		\$4,500,000
TOTAL	\$500,000			\$1,100,000	\$500,000	\$15,000,000

Relocate Pinney Neighborhood Library

The goal of this project is to meet the service needs of the east side and contribute to increases in community engagement. It will feature an innovative PlayLab, and tracking the school readiness and reading level of children using the library's service will be of primary importance.

Background

- The current Pinney Library no longer meets the minimum requirements for program delivery within its east side service area. The lease for this facility expires at the end of 2018. It is also located within a flood plain, and features outdated lighting and mechanicals.

Schedule

- 2017: Begin interior design process
- 2018: Complete design process, developer completes main building shell, project put out to bid
- 2019: Construction of Library and grand opening, projected late summer or early fall

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	\$8,025,000						
Private Funding	\$2,500,000						
TOTAL	\$10,525,000						

RFID- Haw/Seq/Msb 2017

The goal of this project is to implement speedier and more intuitive checkout equipment.

Background

- Madison Public Library is upgrading its circulation equipment for greater efficiency and customer satisfaction. This involves replacing current self check equipment with more modern RFID (radio frequency identification) equipment.

Schedule

- Complete all libraries in 2018.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	\$120,000						
TOTAL	\$120,000						

Metro Transit

2018 Capital Budget

Finance Committee Budget Presentation

Chuck Kamp, Transit General Manager

Budget Highlights

1. Bus Rapid Transit (BRT) project planning deferred to 2023
2. Metro Satellite Bus Facility project deferred from 2018 to 2020.
3. Transit Coaches: Increased GO Borrowing as a result of federal funding decrease (\$15.6M)
4. Facility at 1101 E. Washington: GO Borrowing increased as a result from loss in federal funding (\$8.07M)
5. Transit System Upgrades: GO Borrowing for program increase as a result from loss in federal funding (\$3.55M)

Metro Satellite Bus Facility

Allows for system expansion to include BRT

Addresses overcrowding and safety concerns at current facility

Designed to be alternative fuel facility

Federal funding not secured

Background

- Project Goal: Relieve overcrowding in the current bus facility and provide capacity for planned service expansions
- Scope: Design and construction of satellite bus facility on Nakoosa Trail

Schedule

- 2020: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO Borrowing				15,000,000			
Federal Sources				15,000,000			
TOTAL				\$30,000,000			

Background

- Goal: Maintain current fleet to provide reliable and safe vehicles
- Asset Type: Machinery and Equipment

Planned Projects

- Replacement of fifteen buses per year

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO							
Borrowing		3,409,305	3,534,833	4,126,327	4,250,114	4,635,119	5,137,264
Federal Sources		3,409,305	3,534,833	3,155,427	3,250,088	3,090,081	2,974,206
TOTAL		\$6,818,610	\$7,069,666	\$7,281,754	\$7,500,202	\$7,725,200	\$8,111,470

Transit Coaches

Replacement of fifteen buses per year maintains a fifteen year replacement cycle which is three years more than the federal standard

Newer technology translates to a reduction in fuel emissions and diesel particulates

Paratransit vehicles are at end of seven year useful life and have been removed from the 2018 CIP, and contracted services will be the provider

Facilities Repairs and Improvement

Roof that is 37 years old

Safety concerns

Utility cost increases because of outdated equipment and materials

No federal funding

Background

- Goal: Maintain the 1101 East Washington facility so that it provides a safe environment for fleet maintenance and protection of assets
- Building study to assess estimated cost and priorities has been awarded to Mead & Hunt
- Asset Type: Building

Planned Projects

- Roof replacement
- Building repair/refurbishment

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO							
Borrowing	268,000	1,540,000	40,000	140,000	7,620,000	1,040,000	40,000
Federal Sources	1,072,000						
TOTAL	\$1,340,000	\$1,540,000	\$40,000	\$,140,000	\$7,620,000	\$1,040,000	\$40,000

Transit System Upgrades

TransitMaster (control center for automated vehicle location system) has been delayed several years

Technology enhancements for Smartphone hardware cut or delayed

Building and Grounds equipment cuts (fork lift, skid steer, utility truck)

Background

- Goal: Improvement of the customer experience along with replacement of equipment that will reduce downtime and cost of repairs to older equipment
- Asset Type: Machinery and Equipment

Planned Projects

- Replace TransitMaster
- Replace relief vehicles
- Upgrade fire alarm system
- Refurbish wash rack
- Smartcards, smartphones, and virtual banking

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO							
Borrowing	129,980	197,477	79,019	201,000	3,951,000	53,550	56,228
Federal Sources	663,920		116,074				
TOTAL	793,900	\$197,477	\$195,093	\$201,000	\$3,951,000	\$53,550	\$56,228

Fire Department

2018 Capital Budget

Finance Committee Budget Presentation

STEVE DAVIS, FIRE CHIEF

Budget Highlights

- Goals
The 2018 capital projects identified will ensure the Fire Department is able to continue to provide high-quality, professional emergency services that are accessible to all members of the community.
- Highlights
 - Station 14 construction in 2018.
 - Continued funding for Communications Equipment, Fire Equipment, and Building Improvements
 - Re-evaluated the Station 6 remodel timeline to align with Town of Madison annexation
 - Fund a study to assess the need and design to renovate/replace Station 10

Building Access System

Background

- Project Goal: Installation of a building access system for all Fire buildings and additional futures security updates.
- Scope: The Keyscan building access system logs the name, date and time a user enters their code to access the building. Additional security items to maintain employee and building safety and security are planned for future years.

Schedule

- 2019: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	0	0	50,000	0	0	60,000	0
TOTAL	\$0	\$0	\$50,000	\$0	\$0	\$60,000	\$0

Communications Equipment

Consideration Items

- The Fire department has been proactive in replacing outdated communications equipment and implementing new technology to allow improved alerts with the goals of faster response times.
- The increased budget in 2023 is the anticipated implementation of FirstNet, a federal communications project for emergency personnel (\$725,000)

Background

- Goal: This program funds the replacement of communications equipment including portable and mobile radios, network components and accessories.
- Asset Type: Equipment

Planned Projects

- USDD installation in stations to replace the current alerting system
- Replacement upgrade of vehicle radios as replacement or refurbished rigs are placed in service.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	200,000	400,000	150,000	500,000	150,000	300,000	1,025,000
TOTAL	\$200,000	\$400,000	\$150,000	\$500,000	\$150,000	\$300,000	\$1,025,000

Fire Building Improvements

Background

- Goal: This program funds the minor building improvement and repairs at existing Fire facilities
- Asset Type: Building

Planned Projects

- Landscaping at Station 5-Cottage Grove Rd
- Flooring Replacement at Station 7-McKenna Blvd
- Other Building Improvements related to energy efficiency, repaired/replaced building systems, etc.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	50,000	50,000	70,000	70,000	70,000	70,000	90,000
TOTAL	\$50,000	\$50,000	\$70,000	\$70,000	\$70,000	\$70,000	\$90,000

Fire Equipment

Consideration Items

-The community expectation in an emergency Fire, Rescue or EMS incident is that the responding personnel will have adequate operational equipment to attend the needs of the situation.

- The Fire department has been proactive in budgeting for the 10-15 year life cycle of specialized equipment to fund their replacement.

Background

- Goal: This program funds the replacement of safety, rescue, and other operational equipment utilized by the Fire Department
- Asset Type: Equipment

Planned Projects

- Replacement of ECG monitors on Engine and Ladder Units (\$120K)
- Replacement of SCBA equipment (\$150K)
- Annual replacement of other Fire Equipment (Hoses, EMS equipment, Extrication equipment, Turnout Gear, etc.)

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	877,000	602,500	500,000	500,000	1,050,000	1,275,000	600,000
TOTAL	\$877,000	\$602,500	\$500,000	\$500,000	\$1,050,000	\$1,275,000	\$600,000

Station #14

Consideration Items

- Council approved an additional \$1.25 million Spring 2017 from the original 2018 Capital budget of \$5.05 million to pursue design of a ~20,000 sq. ft. building over the original ~14,000 sq. ft. building. This will allow programming space for a larger community room and indoor training space for the Madison Fire Dept.

Background

- Project Goal: Design, Construct and Furnish a Fire on the far South East side of Madison
- Scope: Programming space will include community meetings areas and training space to conduct skills evolutions, recruit training and firefighter standards

Schedule

- 2017: Design
- 2018: Construction (Completion target Dec 2018)
- 2023: Construction of additional training props

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	0	6,300,000	0	0	0	0	60,000
TOTAL	\$0	\$6,300,000	\$0	\$0	\$0	\$0	\$60,000

Station #6

Consideration Items
 -Station 6 was opened in 1987, has limited space and will be 30 years old.
 -Station 6 services the South side of Madison and has a significant number of responses to other municipalities bordering the area
 - In the 2017 CIP this project was slated for design in 2019 and construction in 2020.

Background

- Project Goal: Remodel Station 6-W Badger Rd on the South side of Madison
- Scope: Remodel will incorporate changes to sleeping/living quarters to maximize current footprint, address energy updates and technological updates, increase storage space for equipment.

Schedule

- 2021: Design
- 2022: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	0	0	0	0	500,000	2,500,000	0
TOTAL	\$0	\$0	\$0	\$0	\$500,000	\$2,500,000	\$0

Police Department

2018 Capital Budget

Finance Committee Budget Presentation

Chief Michael C. Koval

Budget Highlights

2018 Capital Funds will be utilized primarily to:

- Upgrade current equipment
- Expand video storage capacity
- Maintain Police facilities in acceptable condition

Future Funds focus on upgrading equipment, maintaining current facilities, and studying the need for future Police facilities.

Investigative Software / Hardware Upgrades

New investigative software is needed in order to increase the ability to analyze cell phone evidence and provide sufficient storage space for retention.

Background

- Goal: To improve the ability to investigate and solve crime by detailed analysis of data obtained from various sources.

Planned Projects

- Police Department will purchase PenLink, an investigative cell phone software along with an additional server to store all cell phone data as evidence.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		\$22,000		\$30,000			
TOTAL		\$22,000		\$30,000			

Forensic Server

A new server is needed in order to maintain criminal digital evidence (child pornography) separately from other City evidence and files as required by statute.

Background

- Goal: To provide a separate server with sufficient storage space to store digital evidence as required per statute.

Planned Projects

- Police Department will purchase a server to store illicit criminal digital evidence separately from other City evidence.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		\$75,000					
TOTAL		\$75,000					

In Car Video Storage

Additional video storage is needed in order to meet state statute requirements and maintain the required retention schedule.

Background

- Goal: To obtain sufficient storage space to maintain high-definition video as evidence.

Planned Projects

- Police Department will purchase additional storage cabinets to store video evidence.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		\$45,000					
TOTAL		\$45,000					

Light Bar Replacement

Vehicle light bars need to be replaced in order to increase safety and visibility, update old light bar technology with newer light bar technology and avoid costly repairs to outdated equipment.

Background

- Goal: To improve the visibility of police vehicles with a more power-efficient, long lasting light bar.

Planned Projects

- Police Department will purchase and replace 25 to 30 new light bars per year until all police vehicles with old light bars have been replaced.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		\$45,000	\$45,000	\$40,000			
TOTAL		\$45,000	\$45,000	\$40,000			

Police Building Improvements

Funds are needed to invest in current facilities so they are well maintained and where possible energy efficient.

Background

- Goal: To maintain and improve the quality of the five Police District Stations and the Training Center.
- Asset Type: Six Buildings at a total of 77,114 square feet

Planned Projects

- North Police District – Carpet, Paint, and Equipment Replacement
- South Police District – VAV Radiators and Parking Lot Repair

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	150,000	\$191,800	\$421,800	\$408,900	\$411,300	\$416,600	\$420,535
TOTAL	\$150,000	\$191,800	\$421,800	\$408,900	\$411,300	\$416,600	\$420,535

Digital Forensic Lab Replacement

This project funds the replacement of digital imaging technology, which allows the Police Department to produce photos for investigation and prosecution of criminal activity, convert photo negatives to digital evidence, and to comply with open records requests.

Background

- Goal: To upgrade the Forensic Lab equipment that produces digital images in order to effectively investigate and prosecute crime. The current equipment has reached the end of its useful life.

Planned Projects

- Police Department will purchase a digital forensic lab.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing			65,000				
TOTAL			\$65,000				

Midtown District Station

Funds will be reauthorized to complete the project in 2018.

Background

- Goal: To complete the construction of the Midtown District Station in 2018. Funding is a reauthorization only.

Planned Projects

- In 2017 the project entered the demolition/construction phase. Construction is scheduled for completion in August 2018.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	4,060,000						
TOTAL	\$4,060,000						

Update Evidentiary Technology

Funds will be utilized to maintain or upgrade hardware and software in support of the Department's Forensic and Investigative efforts. New technology will also be purchased to address new or emerging trends in evidentiary analysis.

Background

- Goal: To maintain up-to-date computer and hardware systems utilized to investigate and prosecute criminal activity. Technology related evidence includes forensic video and cell phone recovery, analysis, and editing, crime mapping and other digital evidence.

Planned Projects

- The Police Department will purchase up-to-date software and hardware to enhance criminal investigations and prosecution

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing				\$100,000			
TOTAL				\$100,000			

North Police Station

The current North District Station is at capacity and with continued city growth will be insufficient to meet the needs of the city.

Background

- Goal: To provide sufficient police facilities citywide to serve the needs of Madison residents.

Planned Projects

- Funding in 2020 is to study the project.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing				100,000			
TOTAL				\$100,000			

Property & Evidence Complex

Police property and evidence is currently housed in a variety of facilities around the city, including a facility that is rented. The goal is to consolidate services in a single site that provides office space, property storage, impound vehicle and abandoned bicycle storage, forensics, large vehicle processing and customer access.

Background

- Goal: To provide sufficient police facilities citywide to serve the needs of Madison residents.

Planned Projects

- Funding in 2020 is to study the facility need.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing				\$100,000			
TOTAL				\$100,000			

Information Technology

2018 Capital Budget

Finance Committee Budget Presentation

Paul Kronberger

Budget Highlights

- On-going replacements and upgrades to the City's computing resources and networks
- Continued operational status for the Digital Divide Pilot Project
- Continued implementation of the Asset Management System
- Initial procurement and implementation of the DCR/City Attorney Case Management System

Network Security

Background

- Goal: To Fund 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. This will also ensure the City's devices (desktop PC's; mobile devices including laptops, smart phones and tablets) and network servers are secure
- Asset Type: Software

Planned Projects

- 2018 Security Assessment
- Purchase of Security Information and Event Management Software

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		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

Hardware/ Software Upgrades

Background

- Goal: Purchase new and replace outdated network equipment in order to ensure network performance and reliability, ease of administration and security
- Asset Type: Machinery and software

Planned Projects

- Purchase of desktop PC's, laptops, tablets, monitors, printers, switches and servers
- Phone and Polycom upgrades
- Media Team upgrades

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	1,200,000	2,136,000	2,200,000	2,350,000	2,350,000	2,350,000	2,350,000
TOTAL	\$1,200,000	\$2,136,000	\$2,200,000	\$2,350,000	\$2,350,000	\$2,350,000	\$2,350,000

Mobile Computing

Background

- Goal: Provide necessary devices for Public Safety, Public Works and Public Health staff working in the field
- Asset Type: Machinery

Planned Projects

- Replacement of 50 devices

Budget

	Reauth	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

Purchased Software Enhancements

Background

- Goal: Provide up-to-date software functionality for City staff to meet the needs of the residents
- Asset Type: Software

Planned Projects

- RecTrac, GolfTrac, Telestaff, Kronos and other upgrades

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		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

Expand Fiber and Wireless Network

Background

- Goal: Provide and Improve high speed connections for City agencies
- Asset Type: Fiber network

Planned Projects

- Fiber builds in/around Campus Drive, University Ave and Vilas Zoo

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		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

Tax System Replacement

Background

- Project Goal: Replace an aging and limited system developed in the mid-1990's
- Scope: Purchase a new computer system for the administration of the City's tax billing and collection processes

Schedule

- This project has been deferred until 2019

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing			300,000				
TOTAL			\$300,000				

Residential Internet Access

Background

- Project Goal: To provide funding to close the “Digital Divide” in four disadvantaged neighborhoods (Allied Drive, Darbo/Worthington, Brentwood and Kennedy Heights Apartments)
- Scope: Provide training, hardware and network equipment to serve the residents of these areas

Schedule

- 2018: Scheduled to be complete

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		50,000					
TOTAL		\$50,000					

Asset Management System

Background

- Project Goal: Develop a city-wide asset management program designed to manage city assets.
- Scope: Develop a software system where specific program are functions will be configured to meet the needs of Public Works including Engineering, Traffic Engineering, Water Utility

Schedule

- 2018: In construction, targeting implementation late 2018 or early 2019.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied	189,048						
Transfer in from General Fund	98,412						
TOTAL	\$287,460						

DCR Case Management

Background

- Project Goal: Procure and implement a case management software solution for DCR and the City Attorney's office.
- Scope: Procure and implement a software solution to track and monitor equal opportunity discrimination cases and affirmative action compliance cases.

Schedule

- 2018: Procurement

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	80,000						
TOTAL	\$80,000						

Enterprise Financial System

Background

- Project Goal: Provide accurate and integrated information in general ledger, payroll, human resource, and related financial modules.
- Scope: Replacement of the City's financial, payroll, and related systems.

Schedule

- 2018: Upgrade to the 2018 version of MUNIS

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	1,166,000						
TOTAL	\$1,166,000						

Fiber to the Premises

Background

- Project Goal: Provide funding for consulting services to assist with the development of the implementation plan as outlined in the Fiber-to-the-Premises analysis report (Legistar File 44446)
- Scope: Support the FTTP implementation plan

Schedule

- 2018: Report on implementation plan scheduled to be complete.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	61,000						
TOTAL	\$61,000						

Municipal Court System

Background

- Project Goal: Purchase a new computer system for the administration of Municipal Court functions.
- Scope: Replace an aging and limited system from the mid-1990's.

Schedule

- 2018: In construction, targeting implementation late 2018 or early 2019.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Transfer in from General Fund	43,619						
TOTAL	\$43,619						

Neighborhood Center Connectivity

Background

- Project Goal: Allow the community and cultural centers to gain access to higher speeds of broadband for community member use.
- Scope: To provide fiber-optic or high-speed point-to-point connections to community and cultural centers.

Schedule

- 2018: Scheduled to be complete.

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	25,322						
TOTAL	\$25,322						

Property Assessment System

Background

- Project Goal: Replace an obsolete system from the mid-1990's.
- Scope: Purchase of a new computer system for the administration of property assessment functions, specifically property data management, sales analysis, and property valuation.

Schedule

- Contract with current vendor terminated in September 2017; a new procurement will begin in 2018

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	201,933						
TOTAL	\$201,933						

Fleet Service

2018 Capital Budget

Finance Committee Budget Presentation

Mahanth Joishy, Fleet Superintendent

Budget Highlights

1. Replacement of Fire/Rescue Apparatus per replacement schedule.
2. Replacement of Fleet vehicles and Equipment per replacement schedule.

Fire, Fleet, Radio Shop Relocation Project

Improvement of Operational Efficiencies for three agencies with high volume co-operational needs.

Combination of three separate aged facilities into one multi-purpose shared facility.

Background

- Project Goal: Increase productivity by combination of three separate existing facilities into a single location
- Scope: Project has been through Pre-Design, Schematic Design, and Design Development. Construction documents will be delivered by late 2017. Focus on Energy incentives have been established.

Schedule

- 2018: Bidding Phase
- 2019: Construction Administration
- 2020: Project completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO Borrowing			29,162,030				
TOTAL			29,162,030				

GPS/AVL Project

Research and Test various Global Positioning Systems (GPS) and Automatic Vehicle Location (AVL). Previous technology was limited and costly.

Background

- Project Goal: Install and test variety of systems and technology.
- Scope: Determine if information provided is useful for improving asset utilization, increasing operational efficiencies, and improving response times during emergency needs.

Schedule

- 2019: Installation and testing capabilities and cost of various systems.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO Borrowing			275,000				
TOTAL			275,000				

Fire Apparatus / Rescue Vehicle Replacement Program

Continuous program to provide funding for Fire Apparatus and Rescue vehicles for Emergency Response.

Background

- Goal: Continue to provide minimum daily availability of vehicles to meet department needs while maintaining equipment replacement schedule according to Fleet and Fire Department replacement policies.
- Asset Type: Vehicle Fixed

Planned Projects

- Two Fire Pumper units in 2018

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO Borrowing		1,151,300	2,701,000	2,200,000	4,965,030	4,450,000	3,780,000
TOTAL		1,151,300	2,701,000	2,200,000	4,965,030	4,450,000	3,780,000

Fleet Equipment Replacement Program

Continuous program providing for replacement needs of vehicles and equipment to support various City Agency needs.

Background

- Goal: Ensure that City Agencies have necessary equipment resources to meet Critical Mission needs for the community.
- Asset Type: Fixed Vehicle

Planned Projects

- Replace approximately 70 assets that include vehicles and equipment in 2018.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO Borrowing		6,000,000	5,925,000	5,100,000	7,100,000	7,100,000	7,100,000
Transfer from General Fund		1,401,410					
TOTAL		7,401,410	5,925,000	5,100,000	7,100,000	7,100,000	7,100,000

Streets Division

2018 Capital Budget

Finance Committee Budget Presentation

Chris Kelley

Budget Highlights

1. Hire 3 Operators for EAB Stump Grubbing
2. Purchase EAB Endloader and Small Chippers
3. Purchase Additional Automated Dual-Arm
4. Blacktop for Sycamore Ave Employee Parking Lot & Olin Ave Transfer Station

EMERALD ASH BORER

Hire 3 Operators for Stump
Grubbing

Purchase Endloader and Small
Chippers

Background

- This is an ongoing program for the EAB mitigation process and the need for specific resources to implement the necessary services are evaluated annually.

Schedule

- 2018: Hire 3 new operators. Additional equipment purchases
- 2019: Hire 3 new operators

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		1,292,635	1,085,717	1,085,717	1,085,717	1,085,717	1,085,717
TOTAL		1,292,635	1,085,717	1,085,717	1,085,717	1,085,717	1,085,717

STREETS EQUIPMENT

Automated Dual-Arm Truck

Background

- This project is for adding additional equipment due to expansion of the city.

Schedule

- 2018: Automated Dual-Arm
- 2019: Patrol Truck
- 2020: Tandem Dump, Rear Loader, Tractor

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		298,000	245,000	1,000,000	1,280,000	443,000	443,000
TOTAL		298,000	245,000	1,000,000	1,280,000	443,000	443,000

MINOR BUILDING IMPROVEMENT

Overhead Doors

Background

- This program provides for the replacement and upgrade of facility and grounds components at the Streets Division's four locations.

Schedule

- 2018: Overhead Doors
- 2019: Overhead Doors, Update Fire System
- 2020: Overhead Doors, Additional Wash Bay

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		20,000	193,000	310,000	120,000	120,000	120,000
TOTAL		20,000	193,000	310,000	120,000	120,000	120,000

YARD IMPROVEMENT

Blacktop – Sycamore Ave Employee Parking Lot

Blacktop – Olin Ave Transfer Station

Background

- This program maintains and improves the Streets Division’s three drop-off sites.
- The improvements made to these locations allow for the services provided by the Streets Division to continue effectively.

Schedule

- 2018: Blacktop – Sycamore Ave & Olin Ave
- 2019: Brine loading lean-to
- 2020: Salt Building, Crack/Chip Sealing

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		331,700	54,900	675,000	375,000		
TOTAL		331,700	54,900	675,000	375,000		

Streets Far West Facility

Solid Waste Drop-off Site

Fueling Station

Maintenance Area

Equipment Space

Office Area

Background

- Construction of the Far West Public Works Facility will allow for more frequent street sweeping, as well as decrease the time to plow all City streets due to less travel time
- Residents will have a full-service drop off site to adequately serve Madison’s growing population.

Schedule

- 2021: Schematic Design
- 2021: Schematic Design
- 2023: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing					1,800,000	3,200,000	30,000,000
TOTAL					1,800,000	3,200,000	30,000,000

Water Utility

2018 Capital Budget

Finance Committee Budget Presentation

Tom Heikkinen

Budget Highlights

1. The Water Utility 2018 Capital Budgets aims to:
 - Upgrade existing infrastructure while maintaining level of service and water quality and reliability
 - Keep customer rates affordable
 - Maintain a healthy debt ratio

Unit Well 12 Conversion to a Two-Zone Well

This project is part of the Water Utility’s Master Plan. This well is situated on a pressure zone boundary and is ideal for a two-zone facility. This conversion will improve the use of this facility and increase system reliability.

Background

- Project Goal: Maximizing the use of existing facilities is critical to system operations.
- Scope: Unit Well 12 is in need of upgrade and its location provides an opportunity to serve both Zone 7 and Zone 8.

Schedule

- 2017: Water Main Improvements
- 2018: Construction Begins
- 2019: Construction Completion
- 2023: Water Main Improvements

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds		3,262,000					1,608,000
TOTAL		\$3,262,000					\$1,608,000

Background

- Goal: The Water Utility has a need to construct new water mains to serve undeveloped areas. New water main projects are also implemented to improve hydraulics and water distribution.
- Asset Type: Water Network

Planned Projects

- Cty Hwy M, MidTown Rd, Raymond Rd, Wellness Way, Meriter Way
- Cottage Grove Road Interstate Crossing

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds	450,000	2,390,000	1,500,000	2,386,000	2,952,000	3,558,000	3,866,000
TOTAL		\$2,390,000	\$1,500,000	\$2,386,000	\$2,952,000	\$3,558,000	\$3,866,000

Water Mains - New

These projects are coordinated with City Engineering and City Planning to support development.

Projects may also be developed as a part of Wisconsin DOT projects.

Water Mains – Pavement Management

This program works in conjunction with the timing of Engineering Resurfacing Streets projects.

Background

- Goal: Replace mains on streets identified by City Engineering for resurfacing.
- Asset Type: Water Network

Planned Projects

- E Dayton Street, E Gilman St, N Pinckney St, Shepard Terr, Mason St, Chamberlain Ave, Van Hise Ave, N Blackhawk Ave, Heather Crest, Bruce Ct, Anchorage Ave, Beach St, Cable Ave, Hawser Rd, Westmorland Blvd, Holly Ave, Euclid Ave, Toepfer Ave, St. Clair St, Flint Ln, Charleen Ln, Lois Ln, Walker Dr, Ralph Cir, Darwin Rd, Schenk St, Richard St, Hillcrest Dr, W Dayton St and Highland Ave Water Main Phase 2

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds		4,400,000	4,576,000	4,759,000	4,949,000	5,147,000	5,353,000
TOTAL		\$4,400,000	\$4,576,000	\$4,759,000	\$4,949,000	\$5,147,000	\$5,353,000

Water Mains – Reconstruct Streets

This program works in conjunction with the timing of Engineering Reconstruction Streets projects.

Background

- Goal: This program replaces and upgrades existing water mains. Assessment of an aging infrastructure indicates the Utility must replace or rehabilitate over 400 miles of pipe in over a 40 year period to renew and maintain the system.
- Asset Type: Water Network

Planned Projects

- Monroe St, S Pinckney St, N Blair St, N Hancock St, S Livingston St, N Prospect Ave, Gilson St, Pine St, Winnebago St, Linden Ave, S Bryan St, Daley Dr, James St, Thorp St, Emerson St, Lowell St, Glenview Dr, Joylyne Dr, Groveland Terr, Davidson St, Hegg Ave, Drexel Ave, Lake Edge Blvd, N Rusk Ave, Koster St and Merrill Springs Rd

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds		4,250,000	4,420,000	4,597,000	4,781,000	4,972,000	5,171,000
TOTAL		\$4,250,000	\$4,420,000	\$4,597,000	\$4,781,000	\$4,972,000	\$5,171,000

Water Mains – Pipe Lining

The program focuses on pipe lining existing pipes to lengthen the useful life of our infrastructure.

Background

- Goal: This program replaces and upgrades existing water mains. Assessment of an aging infrastructure indicates the Utility must replace or rehabilitate over 400 miles of pipe in over a 40 year period to renew and maintain the system. The water main lining program is being developed by Madison Water to extend the impact of the main rehabilitation budget when compared to full replacement. Lining cost is approximately 70% of full replacement which allows approximately 30% to 40% more main to be rehabilitated when compared to full replacement
- Asset Type: Water Network

Planned Projects

- To be determined

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds		1,000,000	1,040,000	1,082,000	1,125,000	1,170,000	1,217,000
TOTAL		\$1,000,000	\$1,040,000	\$1,082,000	\$1,125,000	\$1,170,000	\$1,217,000

Far West Elevated Reservoir – Blackhawk

This project is part of the Water Utility's Master Plan. Water storage is needed to provide emergency backup and system reliability as the area develops.

Background

- Project Goal: Improve fire fighting capacity, emergency reserves, water transmission capacity, and overall system reliability.
- Scope: This project will construct a reservoir on Madison's far west side. The Blackhawk Reservoir will add 1 million gallons of elevated water storage capacity to the far west side of Madison. This will allow development to occur, improve system reliability, increase firefighting capacity, and increase emergency reserves to the area. The construction in 2021 is for water main improvements.

Schedule

- 2018: Construction
- 2021: Construction
- 2022: Construction Completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds		780,000			1,240,000		
TOTAL		\$780,000			\$1,240,000		

Unit Well 8 Reconstruction

This project is part of the Water Utility's Master Plan. Maximizing the use of existing sources of supply is critical to Utility operation. Improving water quality is necessary to minimize colored water events.

Background

- Project Goal: Maximize the use of existing facilities is critical to system operation. This project upgrades and replaces Unit Well 8.
- Scope: The initial project will be a sentinel well between Well 8 and the Kipp Corporation site. This well will provide an early warning monitoring point regarding the PCE contamination at the Kipp Corporation. The project scope includes installation of a filter for iron and manganese to address current water quality at Unit Well 8.

Schedule

- 2018: Planning

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds	155,000	110,000					
TOTAL		\$110,000					

Booster Pump Station #129

This project is part of the Water Utility's Master Plan. Moving water from Zone 6 to Zone 3 is critical to system operation. BPS 129 is a critical component of that function. Locating the BPS near the 6 million gallon Felland Road Reservoir will provide an excellent water resource to the east side of Madison.

Background

- Project Goal: Improve hydraulic and additional water supply capacity, improve reliability, increase fire fighting capacity, and additional operational flexibility.
- Scope: Construction of a new and upgraded booster pump station is needed to increase water transfer capacity from Zone 6E to Zone 3. This project will replace the temporary pump station constructed on the Well 29 site in 1990 and provide needed additional water supply to the far east side of Madison.

Schedule

- 2018: Design Completion
- 2019: Construction
- 2020: Construction
- 2021: Construction Completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds		344,000	3,069,000	866,000	793,000		
TOTAL		\$344,000	\$3,069,000	\$866,000	\$793,000		

Zone 4 Fire Flow Supply Augment

This project is part of the Water Utility’s Master Plan. Fire fighting capacity and system reliability have not kept pace with city growth in the south east corner of the Utility service area.

Background

- Project Goal: Improve fire fighting capacity, increase system reliability, more operational flexibility and balanced water pressures.
- Scope: This project provides for distribution system improvements along Dutch Mill Road and Voges Road. The project will improve fire protection capacity to the far SE corner of the service area. The addition of the second well to Pressure Zone 4 will provide needed supply redundancy thereby improving reliability and balancing water pressure throughout the area.

Schedule

- 2018: Construction
- 2019: Construction
- 2023: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds			511,000				575,000
TOTAL			\$511,000				\$575,000

Lake View Reservoir Reconstruction

This project is part of the Water Utility's Master Plan. Construction of the Lake View Reservoir was completed in 2017. Reconstruction of the Lake View Reservoir and associated pipe upgrades is the first phase of a significant water supply facility upgrade on the north side of Madison.

Background

- Project Goal: Improve fire fighting capacity, emergency reserves, water transmission capacity, and overall system reliability.
- Scope: The Lake View Reservoir provides critical water storage to the north side of Madison. The booster pumping station is undersized and limits the size of Pressure Zone 5. Improving the station will allow the zone to be expanded and fire protection capacity improved. With additional capacity there is a need for improvement to the distribution system hydraulic capacity with new pipelines.

Schedule

- 2018: Planning
- 2019: Design Completion
- 2020: Construction
- 2021: Construction Completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds			161,000	2,445,000			
TOTAL			\$161,000	\$2,445,000			

Unit Well 19 Iron and Manganese Filter

The Water Utility is focusing on reducing the amount of iron and manganese in the water supply system. This will reduce the number of colored water complaints.

Background

- Project Goal: Reduce the amount of iron, manganese, and radium in the water supply system.
- Scope: This project constructs an iron, manganese and radium treatment system at Well 19 to address existing water quality issues. Iron, manganese and radium concentrations do not meet MWU levels of service thereby require treatment. Reduction in iron and manganese will reduce the risk of colored water events in the service area. Reduction in rising radium levels will bring the contaminate level down to well below the regulatory level.

Schedule

- 2018: Design Completion
- 2019: Construction
- 2020: Construction Completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds			4,081,000				
TOTAL			\$4,081,000				

Booster Pump Station #109

This project is part of the Water Utility's Master Plan. It will help to meet the Utility's desire to pump excess water supply capacity to an area of need.

Background

- Project Goal: Improve hydraulic and additional water supply capacity, improve reliability, increase fire fighting capacity, and additional operational flexibility.
- Scope: Construct a BPS for Madison's east side that will facilitate the movement of water from an area of excess supply to an area of needed supply. The project will improve overall system reliability and increase operational flexibility resulting in a higher level of service to consumers.

Schedule

- 2018: Planning
- 2019: Design Completion
- 2020: Construction
- 2021: Construction Completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds			284,000	2,364,000	744,000		
TOTAL			\$284,000	\$2,364,000	\$744,000		

Booster Pump Station #106 Reconstruction

This project is part of the Water Utility's Master Plan. It will help to meet the Utility's desire to pump excess water supply capacity to an area of need. BPS #106 was reconstructed in 2013 and provides a key water supply point to the west side of Madison.

Background

- Project Goal: Maximize the use of current infrastructure to meet water demands in all areas of Madison.
- Scope: This project improves the piping network at BPS #106 to enhance reliability, fire protection, and improve the hydraulic capacity in the Sunset Hills area of West Madison.

Schedule

- 2018: Planning
- 2019: Design Complete
- 2020: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds				842,000			
Reserves Applied							
TOTAL				\$842,000			

Unit Well 7 Area Hydraulic Improvements

This project is part of the Water Utility’s Master Plan. Project required for hydraulic capacity to move water from recently refurbished Well 7 to the north and east sides of Madison. Project will improve fire protection capacity to the service area.

Background

- Project Goal: Improve hydraulics in the Schlimgen Avenue and MacPherson Street area. Maximize use of Well 7, improve fire flow capacity, and minimize pressure and water quality complaints from the service area.
- Scope: This project will provide for hydraulic capacity improvements to the distribution system at Well 7. The project includes piping improvements to improve water distribution and fire protection in the N. Sherman Avenue and Schlimgen area.

Schedule

- 2020: Construction Completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds				866,000			
Reserves Applied							
TOTAL				\$866,000			

Unit Well 28 Iron and Manganese Filter

The Water Utility is focusing on reducing the amount of iron and manganese in the water supply system. This will reduce the number of colored water complaints.

Background

- Project Goal: Reduce the amount of iron and manganese in the water supply system.
- Scope: This project constructs an iron and manganese treatment system at Well 28 to address existing water quality issues. Iron and manganese concentrations at Well 28 exceed Utility water quality standards and guidelines and thereby require treatment. Reduction in iron and manganese will reduce the risk of colored water events in the service area.

Schedule

- 2019: Planning
- 2020: Design Completion
- 2021: Construction
- 2022: Construction Completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds				577,000	4,408,000		
TOTAL				\$577,000	\$4,408,000		

Zones 7 & 8 Water Supply- Whitney Way

This project is part of the Water Utility’s Master Plan. Additional water supply is needed to sustain level of service and provide operational flexibility.

Background

- Project Goal: Increase water supply capacity and improve operational flexibility and reliability.
- Scope: This project constructs an additional Well to serve Madison’s west side. Long term growth in the area has strained current water supply capacity. The well will provide the opportunity to supply 5 different pressure zones or essentially the whole west side of Madison. This will provide needed operational flexibility to the water system.

Schedule

- 2021: Planning
- 2022: Construction of Test Well
- 2023: Construction of Production Well

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds					15,000	495,000	1,142,000
TOTAL					\$15,000	\$495,000	\$1,142,000

Unit Well 30 Iron and Manganese Filter

The Water Utility is focusing on reducing the amount of iron and manganese in the water supply system. This will reduce the number of colored water complaints.

Background

- Project Goal: Reduce the amount of iron and manganese in the water supply system.
- Scope: This project constructs an iron and manganese treatment system at Well 30 to address existing water quality issues. Iron and manganese concentrations at Well 30 exceed Utility water quality standards and guidelines and thereby require treatment. Reduction in iron and manganese will reduce the risk of colored water events in the service area.

Schedule

- 2020: Planning
- 2021: Design Completion
- 2022: Construction
- 2023: Construction Completion

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds					600,000	4,584,000	
TOTAL					\$600,000	\$4,584,000	

Unit Well 14 Mitigation

Water quality is critical to customer satisfaction. A reduction in chloride concentrations is necessary at Unit Well 14.

Background

- Project Goal: Reduce the level of chloride concentrations in Madison water.
- Scope: This project is for investigating alternatives to reduce the chloride concentrations at Well 14. Well 14 services the west side of Madison and it is in the Utility's best interests to maintain the water supply point in the system. Due to winter road salt operations on University Avenue and the surrounding neighborhoods, chloride levels in the water pumped from Well 14 have been rising for several years.

Schedule

- 2022: Design Completion
- 2023: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds						801,000	4,160,000
TOTAL						\$801,000	\$4,160,000

Water Utility Facility Improvements

This program focuses on repair of and improvements to Utility facilities and security improvements to provide a safer work environment.

Background

- Goal: The program goal is less maintenance and a safer work environment. By repairing and maintaining an average of 5 facilities per year the water utility provides consistent reliable service and minimal emergency repairs. This program provides for miscellaneous projects for repair of and improvements to Utility facilities, and security improvements.
- Asset Type: Building Improvements

Planned Projects

- Scada System Upgrade and Expansion, Fiber Optic System Installation and Upgrade, Flow Meter and VFD Conversion, Meter and Fixed Network Program, Facility Safety Additions, Olin Roof Fall Protection System, HMI Install, Security Upgrades, Facility Safety Additions at Well 8, Well 11, Well 17, Well 18, Well 20, Well 26, Well 27 and Well 30, and various facility upgrade projects.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds		1,207,000	1,277,000	1,403,000	1,239,000	2,258,000	1,577,000
TOTAL		\$1,207,000	\$1,277,000	\$1,403,000	\$1,239,000	\$2,258,000	\$1,577,000

Traffic Engineering

2018 Capital Budget

Finance Committee Budget Presentation

David Dryer, PE

Budget Highlights

- The following are major projects included in Traffic Engineering's 2018 Budget Request:
- Improve traffic signals on Cottage Grove Rd (Acewood and Atlas);
- Leverage State funding to upgrade innovative adaptive traffic signal technology (University Ave.)
- Upgrade traffic signals to Centracs traffic management system.
- Improve and expand the city's wayfinding signs to provide better guidance in locating city landmarks, parking and highways.

Street Light Installation

Background

- Goal: This program provides funding to upgrade/replace outdated street lighting systems and related infrastructure.
- The goal of the program is to provide adequate lighting on streets for motorists, pedestrians, and bicyclists in an efficient manner.
- Asset Type: Equipment

Planned Projects

- LEDs fixtures will be used whenever practical

Budget

Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	130,000	140,000	155,000	170,000	175,000	175,000
Other Funding	365,000	365,000	365,000	365,000	365,000	365,000
TOTAL	495,000	505,000	520,000	535,000	540,000	540,000

Traffic Signal Installation

Background

- Goal: This program funds replacing and modernizing the City's traffic signal network.
- The goal of the program is to provide energy efficient dynamic traffic signals that are readily adaptable to provide for safe, efficient traffic flow for vehicles, bicycles, and pedestrians.
- Asset Type: Equipment

Planned Projects

- Improve traffic signals on Cottage Grove Rd (Acewood and Atlas)
- Leverage State funding to upgrade innovative adaptive traffic signal technology (University Ave.);
- Upgrade traffic signals to Centracs traffic management system.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		380,000	345,000	355,000	355,000	360,000	360,000
Other Funding		440,000	470,000	465,000	470,000	470,000	470,000
TOTAL		820,000	815,000	820,000	825,000	830,000	830,000

URD/URC Lighting

Background

- Goal: This program funds the installation of street lighting in newly developed and reconstructed areas where streetlight fiber are buried.
- The goal of this program is to provide greater safety through adequate lighting in residential and business areas.
- Asset Type: Equipment

Planned Projects

- 2018 street lighting projects funding by assessments

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Assessments		116,7000	126,000	136,100	147,000	150,000	155,00
TOTAL		495,000	505,000	520,000	535,000	540,000	540,000

Wayfinding Signage

Background

- Project Goal: This project improve and expand the City's wayfinding system. Gives visitors and resident better guidance in locating city landmarks, parking and highways.
- Scope: The focus of the way-finding signs would be in downtown, campus-area, the Alliant Energy Center and the airport.

Schedule

- 2018: The signs should be complete in 2018

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	250,000	250,000					
Reserves Applied							
TOTAL							

Parking Utility

2018 Capital Budget

Finance Committee Budget Presentation

Sabrina Tolley, Assistant Parking Utility Manager

Budget Highlights

- Construction of the Judge Doyle parking garage to be completed in 2018.
- Construction of the Capitol East District parking garage to be completed in 2018.
- Replacement of the Parking Access and Revenue Control System (PARCS) in garages and the Brayton Lot to be completed in 2018.
- Continue replacement of coin-only meters with meters that accept payment by coin, credit card, and pay-by-cell

Capitol East Parking Structure

Background

- Project Goal: Construction of a public parking garage with a retail/commercial space at Livingston and Main Streets, to serve the parking needs of the development and public.
- Scope: Construction of an approximately 650 stall parking structure and a commercial space in the Capitol East District.

Schedule

- 2017: Construction is expected to begin in October 2017.
- 2018: Construction is expected to be completed in late July 2018.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
TIF Proceeds-GO	5,000,000						
Borrowing							
Reserves Applied	3,592,393						
TOTAL	\$8,592,393						

Customer Comm And Support

Background

- Project Goal: The goal is to improve quality of customer service through the increased use of video cameras to enhance customer communication, helpline assistance, and security.
- Scope: Installation of cameras in all garages at all points of entry/exit, at pay-on-foot machines, and on rooftops, in addition to other locations.

Schedule

- 2017: Under construction
- 2018: The project is expected to be completed in 2018.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied	32,800						
TOTAL	\$32,800						

Garage Lighting Replacement

Background

- Project Goal: Replace all the existing overhead lighting fixtures with energy efficient LED lights in addition to electrical upgrades.
- Scope: Lighting and electrical upgrades at State Street Capitol Garage, State Street Campus -Frances Garage, and the Overture Center Garage. Work also includes replacing wiring and conduit and installation of carbon monoxide detectors with garage fan controls.

Schedule

- 2017: The State Street Capitol Garage project is scheduled to be completed in November 2017. Design for the State Street Campus- Frances Garage is expected to be completed in late 2017 with construction beginning in late 2017/early 2018.
- 2018: The State Street Campus- Frances Garage lighting project is expected to be completed in 2018. Complete the design and begin construction of the Overture Center Garage lighting project in late 2018.
- 2019: Construction of the Overture Center Garage Lighting Project completed.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied	55,300	999,700					
TOTAL	\$55,300	\$999,700					

Garage Wayfinding Signs

Background

- Project Goal: Seek to improve customer service within the parking garages by directing traffic to locations of available parking . Also, assisting drivers in identifying open entry/exit lanes and identifying which exit lanes accept specific types of payment, whether cash, credit card, prepaid, or are for permit holders only.
- Scope: Wayfinding signage will be installed in multiple garage facilities and terrace locations.

Schedule

- 2017: Construction and Planning
- 2018: Construction to be completed in 2018.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied	85,000						
TOTAL	\$85,000						

Judge Doyle Public Parking Structure

Background

- Project Goal: Construct a 562 stall underground public parking garage on Block 88 to replace the aging Government East Garage, and continue to serve the needs of drivers to the downtown area.
- Scope: Construction of a 562 stall underground public parking garage and bike center and demolition of the Government East Garage upon completion of the new replacement garage.

Schedule

- 2017: Construction expected to begin in late 2017.
- 2018: Construction expected to be completed in late November 2018.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied	17,791,659						
TIF Proceeds	24,000,000						
TOTAL	\$41,791,659						

PEO Enforcement System

Background

- Project Goal: Replacement of the Madison Police Department parking enforcement management system software and hardware.
- Scope: Replacement of the Madison Police Department parking enforcement management system software and hardware.

Schedule

- 2017: Construction began in early 2017.
- 2018: The project is expected to be completed in 2018.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied	20,600						
TOTAL	\$20,600						

Revenue Equipment Replacement

Background

- Project Goal: Replace the existing parking access and revenue control system (PARCS) which has reached the end of its useful life, with hardware and software.
- Scope: Replacement of all existing equipment and software upgrades as well as the purchase and installation of equipment for the new Judge Doyle and Capitol East parking garages to be constructed in 2018.

Schedule

- 2017: Construction began in mid 2017
- 2018: Construction is expected to be completed in 2018.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied	300,000						
TOTAL	\$300,000						

Sayle Street

Background

- Goal: Maintain and renovate the shared Traffic Engineering and Parking Utility facility located at 1120 Sayle Street; improve energy efficiency and reduce costs through decreasing energy use.
- Asset Type: Building

Planned Projects

- Funding in 2020 is for the Parking Utility's share of renovations associated with the relocation of the Radio Shop to Nakoosa Trail.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied		10,000	10,000	190,500	70,500	10,000	10,000
TOTAL		\$10,000	\$10,000	\$190,500	\$70,500	\$10,000	\$10,000

Single Space Meter Replacement Project

Background

- Project Goal: Replacement of coin-only meters with multi-space machines/single-space "smart meters" which allow users to pay by coin, credit card, or cell phone. The goal is to improve convenience and ease of use for parkers.
- Scope: Multi-space machines are not a cost-effective or viable option for many of the remaining coin-only meter locations, and single-space smart meters will be trialed to potentially replace approximately 650 coin-only meters at these locations. The Parking Utility will also study options and plan for a larger replacement in 2019 of existing on-street multi-space machines that are nearing the end of useful life.

Schedule

- 2017: Begin trial of about 50 single-space smart meters in summer.
- 2018: Complete the single-space smart meter trial in early 2018. Following the trial, approximately 650 coin-only meters could be replaced in 2018 by single space smart meters. Late 2018-begin studying options for the replacement of existing multi-space machines that are reaching end of life.
- 2019: Following completion of the study/analysis of replacement options in mid-2019, purchase and installation of replacement equipment is anticipated to begin in late 2019 through 2020.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied	91,000	350,000	1,500,000				
TOTAL	\$91,000	\$350,000	\$1,500,000				

Vehicle Replacement Program

Background

- Goal: Replace vehicles on a 10-year cycle, on average.
- Asset Type: Vehicle (Machinery/Equipment)

Planned Projects

- Vehicles to be purchased in 2018: (4 total) include the replacement of 2 high dump sweepers, 1 utility vehicle, and a spreader hopper

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied		130,000	171,500	81,000	146,000	45,000	0
TOTAL		\$130,000	\$171,500	\$81,000	\$146,000	\$45,000	\$0

Engineering – Facilities Management

2018 Capital Budget

Finance Committee Budget Presentation

Rob Phillips, City Engineering, Engineering Division

Budget Highlights

1. In 2018, Facilities Management is actively managing over \$80 million of construction projects, including MMB, JDS Parking Garage, Capitol East Parking Garage, Midtown Police Station, and Fire Station 14. These projects will be under construction in 2018.
2. In addition, in 2018, Facilities Management will be completing the design, bidding and starting construction for the following projects – Olbrich Gardens Expansion, Pinney Branch Library, Metro Bus Barn roof, Public Health Remodel, and Fleet Services Building.
3. Finally, in 2018 Facilities Management is also managing roughly \$10 million in other projects.

CCB Improvements

Funds the City share of capital improvements in the CCB.

Background

- Goal: Maintain the CCB, which the City owns 41%
- Asset Type: Buildings

Planned Projects

- Elevator Modernization
- Concrete Replacement Carroll Street
- Cooling Tower – Additional Funding
- Parapet Flashing Phase 2

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	625,000	700,000	100,000	100,000	100,000	100,000	100,000
TOTAL	\$625,000	\$700,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

CCB Tennant Improvements

Planning for HR's move to MMB

Background

- Project Goal: Remodel City Attorney's office and make some improvements to Finance and Mayor's Office. Remodel HR Suite in the future.
- Scope: Full remodel of City Attorney's and HR Suites – some improvements to Mayor and Finance.

Schedule

- 2018: Design, Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GFGO Borrowing		250,000	2,000,000	200,000	2,000,000	50,000	200,000
TOTAL		\$250,000	\$2,000,000	\$200,000	\$2,000,000	\$50,000	\$200,000

City Fleet Stalls- Judge Doyle Garage

Providing parking for city fleet.

Background

- Project Goal: Provide Parking for City Fleet in JDS Ramp.
- Scope: Own parking stalls in JDS ramp for city fleet.

Schedule

- 2018: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		1,300,000					
TOTAL		\$1,300,000					

Energy Improvements

Funds projects to reduce energy.

Background

- Goal: Reduce Energy in City Buildings and Lighting
- Asset Type: Buildings

Planned Projects

- Projects that reduce energy – Facilities Management reviews payback for all projects.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	177,000	240,000	250,000	260,000	270,000	280,000	290,000
State Sources		20,000	20,000	20,000	20,000	20,000	20,000
TOTAL	\$177,000	\$260,000	\$270,000	\$280,000	\$290,000	\$300,000	\$310,000

Fairchild Bldg Boiler Replacement

Future of the building

Background

- Project Goal: Replace inefficient, old steam boiler.
- Scope: Replace heating source with a system that makes sense for the buildings uses.

Schedule

- 2019: Design, Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing			450,000				
TOTAL			\$450,000				

Fire Improvements

24/7 Operations

Background

- Goal: Maintain Fire Stations
- Asset Type: Buildings

Planned Projects

- Overhead Door Operator Upgrade
- FS#3 Heating Upgrade
- FS#5 Interior Window Replacement
- FS#7 Rubber Flooring
- FS#8 HVAC Design and Overhead Door
- FS#9 Asbestos Abatement and Sealing
- FS#10 Masonry Repairs

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	390,000	450,000	380,000	450,000	450,000	450,000	450,000
TOTAL	\$390,000	\$450,000	\$380,000	\$450,000	\$450,000	\$450,000	\$450,000

General Building Improvements

Maintain City Facilities

Pre-Planning

Background

- Goal: Maintaining our existing buildings and pre-planning for projects
- Asset Type: Buildings

Planned Projects

- This funding source is to fund unexpected repairs for all city buildings throughout the year and also provides funding for pre-planning.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	150,000	260,000	270,000	280,000	290,000	300,000	310,000
TOTAL	\$150,000	\$260,000	\$270,000	\$280,000	\$290,000	\$300,000	\$310,000

MMB Renovation

Move final funding up one year.

Background

- Project Goal: Complete the renovation of the Madison Municipal Building
- Scope: This is the final phase to purchase the furniture for the project.

Schedule

- 2017: Construction
- 2018: Construction Completion, Furniture Procurement, Move-In, Celebrate!

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	9,017,966	1,300,000					
TOTAL	\$9,017,966	\$1,300,000					

Parks Improvements

Beach House

Background

- Goal: Maintain Parks Buildings
- Asset Type: Buildings

Planned Projects

- Warner Park Beach House
- Garner Park Roof Replacement

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	680,000	800,000	1,050,000	700,000	700,000	700,000	700,000
TOTAL	\$680,000	\$800,000	\$1,050,000	\$700,000	\$700,000	\$700,000	\$700,000

Sayle Street Facility Remodel

Improvements and remodeling
after radio shop moves out of
Sayles Street

Background

- Project Goal: Remodel areas of Sayle Street – Traffic Engineering as Radio Shop moves to new Fleet Building.
- Scope: Some remodeling and exterior work

Schedule

- 2020: Design and bid
- 2021: Construction
- 2022: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing				520,000	225,000	640,000	
TOTAL				\$520,000	\$225,000	\$640,000	

Streets Improvements

Workers Health

Background

- Goal: Maintain Streets Buildings
- Asset Type: Buildings

Planned Projects

- Vehicle Exhaust System

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	1,590,000	250,000	605,000	190,000	650,000	500,000	450,000
TOTAL	\$1,590,000	\$250,000	\$605,000	\$190,000	\$650,000	\$500,000	\$450,000

Engineering – Major Streets

2018 Capital Budget

Finance Committee Budget Presentation

Robert F. Phillips, P.E., City Engineer

Budget Highlights

1. CTH M
2. Monroe St
3. Reconstruct Streets
4. Pavement Management
5. Neighborhood Traffic Management

Atwood Ave: Fair Oaks – Cottage Grove

Background

- Reconstruct Street
- Improve Pedestrian & Bicycle Facilities

Schedule

- 2018/2019 Design & Real Estate
- 2020 Construction – Fair Oaks to Walter
- 2021 Construction – Walter to Cottage Grove Rd

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	347,500		500,000		3,480,000		
Federal Sources					5,220,000		
Reserves Applied- Sewer					535,000		
TOTAL	\$347,500		\$500,000		\$9,235,000		

Bridge Repair

Background

- Program for repair, replacing and painting Madison's bridges to maintain a safe condition

Planned Projects

- Various Bridge Painting Projects

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		540,000	150,000	160,000	170,000	170,000	170,000
TOTAL		\$540,000	\$150,000	\$160,000	\$170,000	\$170,000	\$170,000

Buckeye Rd Improvements

Background

- Reconstruct Buckeye Rd from Monona Dr to Stoughton Rd
- Add bike lanes
- Complete sidewalk network
- Enhanced pedestrian crossings

Schedule

- 2017/2018 Real Estate
- 2019 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing			1,626,580				
Federal Sources			920,000				
County Sources			1,062,000				
Special Assessment			81,420				
Revenue Bonds-Sewer			800,000				
Reserves Applied-Sewer			250,000				
Special Assessment-Sewer			100,000				
TOTAL			\$4,840,000				

Cottage Grove Rd (I39 to Sprecher)

Background

- Reconstruct roadway to urban boulevard with bike lanes and sidewalks

Schedule

- 2017/2018 Design/Real Estate
- 2020 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing				1,437,500			
Federal Sources				3,450,000			
County Sources				862,500			
Reserves Applied-Sewer				12,000			
TOTAL				\$5,762,000			

CTH M (CTH PD Area)

Background

- Reconstruct existing roadway to urban boulevard with bike lanes, sidewalks & parallel multi-use path

Schedule

- 2017/2019 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		530,000	265,000				
Federal Sources		4,586,000	2,293,000				
County Sources		2,600,000	2,600,000				
Municipal Capital Participation		2,100,000	2,100,000				
Special Assessment		235,000	235,000				
Reserves Applied-Sewer		107,500	43,750				
TOTAL		\$10,158,500	\$7,536,750				

CTH M (Mid Town Rd Area)

Background

- Reconstruct existing roadway to urban boulevard with bike lanes, sidewalks & parallel multi-use path

Schedule

- 2017/2019 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		2,636,000	1,318,000				
Federal Sources		4,140,000	2,070,000				
County Sources		2,600,000	2,600,000				
Special Assessment		235,000	235,000				
Reserves Applied-Sewer		47,500	18,750				
TOTAL		\$9,658,500	\$6,241,750				

Darbo Webb Connection

Background

- Construct new street in accordance with Darbo-Worthington-Starkweather neighborhood development plan

Schedule

- 2018 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		440,000					
Reserves Applied-Sewer		150,000					
Special Assessment-Sewer		10,000					
Non-GF GO Borrowing-Stormwater		300,000					
Reserves Applied-Stormwater		200,000					
TOTAL		\$1,100,000					

Gammon Road, South

Background

- Reconstruct pavement from Seybold Rd to Mineral Point Rd
- In conjunction with West Towne Path underpass of Gammon RD

Schedule

- 2018 Design
- 2019 Real Estate
- 2020 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		250,000	250,000	2,820,000			
Federal Sources				4,014,000			
Reserves Applied- Sewer				20,000			
TOTAL		\$250,000	\$250,000	\$6,854,000			

Graaskamp Way & John Wall Dr

Background

-

Schedule

-

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Special Assessment	1,735,000						
TOTAL	\$1,735,000						

Jeffy Trail

Background

- New street construction

Schedule

- 2019 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing			510,000				
Reserves Applied-Sewer			45,000				
Special Assessment-Sewer			5,000				
Reserves Applied-Stormwater			50,000				
TOTAL			\$610,000				

Johnson St, E Recon: Bldwn – 1st (Ph2)

Background

- Reconstruct E Johnson St
- Improve pedestrian & bicycle facilities

Schedule

- 2018 Real Estate
- 2019 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		200,000	2,418,000				
Federal Sources			2,622,000				
Special Assessment			120,000				
Revenue Bonds-Sewer			300,000				
Reserves Applied-Sewer			85,000				
Special Assessment-Sewer			15,000				
TOTAL		\$200,000	\$5,560,000				

Background

- Replace pavement as necessary, create a pedestrian mall, replace sidewalk and trees
- Main St to Wilson St

Schedule

- 2021 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
TIF Proceeds					2,000,000		
Reserves Applied- Sewer					105,000		
Special Assessment- Sewer					20,000		
Non-GF GO Borrowing- Stormwater					30,000		
Special Assessment- Stormwater					10,000		
TOTAL					\$2,165,000		

Martin Luther King Jr Blvd

Mineral Point Rd (Beltline – High Pt)

Background

- Replace existing pavement and add bike facilities

Schedule

- 2018 Design
- 2020 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	45,000				960,000		
Federal Sources					1,440,000		
TOTAL	\$45,000				\$2,400,000		

Monroe St

Background

- Reconstruction of existing roadway and utilities

Schedule

- 2018 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		10,090,000					
Special Assessment		270,000					
Sewer		4,000,000					
Stormwater		575,000					
TOTAL		\$14,935,000					

Neighborhood Traffic Management & Pedestrian Improvements

Background

- Funding for traffic calming projects and pedestrian improvements
- Speed humps, traffic tables, bumpouts, islands

Planned Projects

- Determined during year by City Traffic Engineer

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	446,500	320,000	330,000	340,000	350,000	350,000	350,000
TOTAL	\$446,500	\$320,000	\$330,000	\$340,000	\$350,000	\$350,000	\$350,000

Outer Capital Loop Southeast

Background

- Reconstruct roadway and utilities on E Doty St from MLK Jr Blvd to S Webster St
- Include bike lanes bump outs, pedestrian lighting
- Coordinate with Judge Doyle Square

Schedule

- 2021 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
TIF Proceeds					1,830,000		
Special Assessment					30,000		
Reserves Applied-Sewer	55,000				175,000		
Special Assessment-Sewer					25,000		
Special Assessment-Stormwater					10,000		
TOTAL	\$55,000				\$2,070,000		

Park St, S (Olin to RR)

Background

- Reconstruct existing roadway
- Coordinate with WisDOT
- BRT route

Schedule

- 2019 Design
- 2021 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing			150,000		1,505,000		
State Sources			150,000		1,620,000		
Reserves Applied-Sewer					110,000		
Reserves Applied-Stormwater					115,000		
TOTAL			\$300,000		\$3,350,000		

Background

- Repair deteriorated pavement joints

Schedule

- 2019/2020 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing			1,650,000	1,440,000			
Revenue Bonds-Sewer			500,000	500,000			
Reserves Applied-Sewer			287,500	287,500			
Special Assessment-Sewer			87,500	87,500			
Reserves Applied-Stormwater			200,000	200,000			
Special Assessment-Stormwater			20,000	20,000			
TOTAL			\$2,745,000	\$2,535,000			

Park St, S (W
Wash – Olin, Rr -
Badger)

Pavement Management

Background

- Resurface existing streets, seal cracks and chip seal streets
- Extend life of streets and postpone cost of complete construction

Planned Projects

- Dayton, Shepard, Mason, Chamberlain, Van Hise, Blackhawk, Heather Crest, Bruce, Anchorage, Beach, Cable, Hawser, Walnut Grove, Whitacre, Farmington, Harwood, Stonecrest, Round Hill, Springwood, Foxboro, Rye, Westmorland, Holly, Euclid, Toepfer, St Clair, Violet, Hamlet, Daffodil, Flint, Charleen, Lois, Walker, Ralph, Beehner, Darwin, Schenk, Richard, Hillcrest

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		7,450,000	12,350,000	10,600,000	10,850,000	10,850,000	10,850,000
State Sources		225,000	225,000	225,000	225,000	225,000	225,000
Special Assessment	679,535	575,000	575,000	800,000	817,000	817,000	817,000
Sewer	738,870	4,658,500	4,865,200	5,105,000	5,105,000	5,750,000	5,750,000
Stormwater		2,595,000	2,160,000	2,220,000	2,220,000	2,280,000	2,280,000
TIF Proceeds	860,000						
TOTAL		\$2,278,405	\$15,503,500	\$20,175,200	\$18,950,000	\$19,217,000	\$19,922,000

Pleasant View Road

Background

- Reconstruct existing roadway into four lane urban boulevard with bike lanes and sidewalk
- Parallel Multi-use path

Schedule

- 2017-2021 Design
- 2022/2023 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	96,001	515,000	515,000		1,000,000	2,060,200	2,312,240
Federal Sources						2,359,500	3,468,360
Municipal Capital Participation	1,470,514	322,500	322,500			299,700	
Revenue Bonds-Sewer	55,000						
Reserves Applied-Sewer	50,000						
TOTAL	\$1,671,516	\$837,500	\$837,500		\$1,000,000	\$4,719,400	\$5,780,600

RR Crossings

Background

- This program repairs railroad crossings and installs infrastructure to support railroad quiet zones in the City

Planned Projects

- 2019 Corry St & Waubesa St

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	144,782	120,000	130,000	140,000	150,000	150,000	150,000
TIF Proceeds			450,000				
Private Contribution	360,000						
TOTAL	\$504,782	\$120,000	\$580,000	\$140,000	\$150,000	\$150,000	\$150,000

Reconstruction Streets

Background

- Program to replace deteriorated streets

Planned Projects

- Livingston, Prospect, Gilson, Pine, Winnebago, Bryan, Daley, James, Thorp, Emerson, Lowell, Glenview, Joylenne, Davidson Rd Area, Rusk, Koster, Parks frontage, Femrite, Ohmeda, Meier, Alley 1900 Block Adams/Jefferson

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	1,675,146	6,220,000	7,610,000	7,750,000	7,890,000	7,890,000	7,890,000
TIF Proceeds	2,725,000						
Special Assessment	2,471,512	2,530,000	2,500,000	2,560,000	2,620,000	2,620,000	2,620,000
Sewer	2,480,200	4,730,000	4,865,200	5,105,000	5,105,000	5,750,000	5,750,000
Stormwater	0	1,350,000	1,440,000	1,480,000	1,480,000	1,520,000	1,520,000
TOTAL	\$9,351,858	\$14,830,000	\$16,415,200	\$16,895,000	\$17,095,000	\$17,780,000	\$17,780,000

Treetops Feather Edge Drive

Background

- Extend existing roadway to Meadow Rd
- In conjunction with expanded Hill Creek Park & new Stormwater Management Facility

Schedule

- 2019 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Special Assessment			1,650,000				
Reserves Applied-Sewer			240,000				
Special Assessment-Sewer			10,000				
TOTAL			\$1,900,000				

University Ave (Shorewood to University Bay)

Background

- Reconstruct existing roadway
- Include bike lanes
- Ped/Bike overpass of University Bay Dr

Schedule

- 2018 Design
- 2022 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	120,000	270,000				2,150,000	
Federal Sources						6,450,000	
Municipal Capital Participation	270,000	270,000				2,150,000	
Revenue Bonds-Sewer						400,000	
Reserves Applied-Sewer						200,000	
Special Assessment-Sewer						50,000	
TOTAL	\$390,000	\$540,000				\$11,400,000	

Background

- Install colored crosswalk markings on E Washington Ave

Schedule

- 2021 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing					200,000		
TOTAL					\$200,000		

Washington Ave E. Streetscape

Washington Ave, W. (Regent to Bedford)

Background

- Reconstruct existing roadway

Schedule

- 2019 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing			1,900,000				
Special Assessment			50,000				
Revenue Bonds-Sewer			250,000				
Reserves Applied-Sewer			65,000				
Special Assessment-Sewer			20,000				
Reserves Applied-Stormwater			60,000				
Special Assessment-Stormwater			10,000				
TOTAL			\$2,355,000				

Wilson St (MLK to King)

Background

- Reconstruct existing roadway
- Install pedestrian lighting
- Bike facilities
- Coordinate with Judge Doyle Square

Schedule

- 2021 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
TIF Proceeds						1,220,000	
Special Assessment						60,000	
Revenue Bonds-Sewer			250,000				
Reserves Applied-Sewer			90,000				
Special Assessment-Sewer			20,000				
Reserves Applied-Stormwater			140,000				
Special Assessment-Stormwater			10,000				
TOTAL			\$510,000			\$1,280,000	

Wilson/Williams on (Franklin- Blount)

Background

- Reconstruct existing roadway
- Improve pedestrian and bicycle facilities

Schedule

- 2020 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		500,000			1,040,000		
Federal Sources					1,700,000		
Special Assessment					50,000		
Revenue Bonds-Sewer					250,000		
Reserves Applied-Sewer					190,000		
Special Assessment-Sewer					30,000		
TOTAL		\$500,000			\$3,260,000		

Engineering – Bicycle and Pedestrian

2018 Capital Budget

Finance Committee Budget Presentation

Robert F. Phillips, P.E. City Engineer

Budget Highlights

1. West Towne Path
2. Goodman Path
3. Cannonball Path
4. Ice Age Junction Path
5. Ped/Bike Enhancements

Bike Station

Background

- Create Downtown Bike Station in Judge Doyle Square Project
-

Schedule

- Construction 2018-19

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	1,000,000						
TOTAL	\$1,000,000						

Bikeways Program

Background

- Goal: Bicycle related improvements across the city, Resurfacing of existing paths
- Asset Type: Path

Planned Projects

- Resurfacing Paths
- Starkweather Creek RR Underpass

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	970,000	781,000	860,000	900,000	933,000	933,000	933,000
TOTAL	\$970,000	\$781,000	\$860,000	\$900,000	\$933,000	\$933,000	\$933,000

Cannonball Path

Background

- Project Goal: Complete phase 6 of path system
- Scope: Fish Hatchery Rd to Wingra Path

Schedule

- 2018 Path, 2020 Creek Overpass

Budget

	Reauth	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		\$780,000			

Cap City Trail

Background

- Scope: Construct off street segments along rail line
- Limits: Dondee to Vondron

Schedule

- 2019 design
- 2022 path construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	425,000		70,000			910,000	
Federal Sources	715,000						
TOTAL	\$1,140,000		\$70,000			\$910,000	

Goodman Path

Background

- New path construction connecting North East side to Cap City Trail
- Milwaukee St to Marsh View Path

Schedule

- 2019 path construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing			290,000				
TOTAL			\$290,000				

Ice Age Junction

Background

- New path construction along County Trunk Highway M
- Limits: Valley View Road to McKee Rd
- Grade separated crossings of Mid Town Rd, CTH M, CTH PD

Schedule

- 2018/2019 Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		1,065,000	300,000				
County Sources		595,000					
TOTAL		\$1,660,000	\$300,000				

Ped/Bike Enhancements

Background

- Program funds construction of pedestrian and bike enhancements across the city
- Goal is to increase safety

Planned Projects

- Bike wayfinding
- Radar Boards
- Rectangular Rapid Flashing Beacons

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	11,000	222,000	229,000	230,000	243,000	243,000	243,000
TOTAL	\$11,000	\$222,000	\$229,000	\$230,000	\$243,000	\$243,000	\$243,000

Safe Routes to School

Background

- Program funds for improving infrastructure surrounding school zones to promote walking and biking to school.

Planned Projects

- Specific strategies utilized by the program include signs, lighting and traffic calming installations.

Budget

	Reauth	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

Sidewalk Program

Background

- Program funds repair of defective sidewalk, and installation of new sidewalk
- Goal to provide continual repair on a 10 year replacement cycle

Planned Projects

- Districts 3 & 16
- Citywide Request
- Sawcutting

Budget

	Reauth	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 Assessments		852,000	895,000	940,000	987,000	1,036,000	1,088,000
TOTAL		\$2,432,000	\$2,554,000	\$2,682,000	\$2,816,000	\$2,956,000	\$3,104,000

West Towne Path

Background

- New East-West path construction along north side of Beltline Hwy
- Limits: Struck St/Grand Canyon Dr to Junction Road
- Extends existing path across employment centers such as West Towne Mall & UW Research Park 2 and connects to Ice Age Junction Path
- Grade separated crossings of Gammon Rd, High Point Rd, Beltline, Watts Rd

Schedule

- 2018/2019 design & real estate
- 2020 construction of Struck St/Grand Canyon Dr to Gammon segment
- 2021 construction of Gammon to High Point
- 2022 construction of High Point to Junction Road

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	1,176,600	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	\$1,176,600	\$260,000	\$50,000	\$3,195,000	\$2,130,000	\$3,050,000	

Engineering – Other

2018 Capital Budget

Finance Committee Budget Presentation

Robert Phillips, P.E. , City Engineer

Budget Highlights

- Planning for future needs of Warning Sirens in 2018
- Maintain current funding level for equipment and vehicles

Background

- Goal: To maintain Citywide base mapping and aerial photography of existing City lands as well as areas where the City may expand.
- Asset Type: Other

Planned Projects

- Obtain updated digital imagery information.

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		20,000		20,000		28,000	
Reserves Applied - Water		10,000		10,000		14,000	
Reserves Applied - Sewer		10,000		10,000		14,000	
Reserves Applied – Stormwater		10,000		10,000		14,000	
TOTAL		\$50,000		\$50,000		\$70,000	

Aerial Photo / Orthophotos

Data from this program is utilized by City Utilities, Planning, and Public Safety agencies.

Construction Inspector Software

Background

- Project Goal: Carry-over funds will provide construction software that will be used by the Engineering Division, Stormwater Utility, and Sewer Utility.

Schedule

- 2018: Purchase and beginning training in software

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Carry-Over Applied		290,000					
TOTAL		\$290,000					

Equipment and Vehicle Replacement

This program purchases vehicles and equipment utilized by Landfill, Sewer, and Stormwater Utilities.

Background

- Goal: To sufficiently provide the necessary transportation and equipment resources for the services provided by City Engineering.
- Asset Type: Machinery and Equipment

Planned Projects

- N/A

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied		49,000	62,000	65,000	65,000	75,000	81,000
Reserves Applied - Sewer		845,000	887,000	931,350	931,350	1,055,000	1,093,500
Reserves Applied – Stormwater		450,000	475,000	550,000	550,000	625,000	635,000
Sale Property/Capital Asset		134,000	142,400	154,635	154,635	175,500	215,500
TOTAL		\$1,478,400	\$1,566,400	\$1,700,985	\$1,700,985	\$1,930,500	\$2,025,000

Right of Way Landscaping & Trees

*This program landscapes
boulevards and other areas within
existing right of ways throughout
the City.*

Background

- Goal: To minimize storm water runoff and improve general aesthetics.
- Asset Type: Land Improvements

Planned Projects

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Transfer In from General Fund		150,000	155,000	160,000	172,240	175,000	175,000
TOTAL		\$150,000	\$155,000	\$160,000	\$172,240	\$175,000	\$175,000

Service Building Improvements

This is a continued program to maintain the Engineering Service Building at 1600 Emil Street.

Background

- Goal: To upgrade the aged mechanical equipment to maintain the facility's operational functions.
- Asset Type: Building

Planned Projects

- N/A

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied		13,000	13,700	14,000	14,000	15,435	16,250
Reserves Applied - Sewer		76,000	80,400	84,420	84,420	93,073	97,500
Reserved Applied - Stormwater		38,300	40,000	42,000	42,000	46,305	48,750
TOTAL		\$127,300	\$134,100	\$140,420	\$140,420	\$154,813	\$162,500

Background

- Goal: To maintain an adequate alert system provided by the network of warning sirens.
- Asset Type: Other

Planned Projects

- Installation of sirens as necessary

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing		60,000		30,000		60,000	
TOTAL		\$60,000		\$30,000		\$60,000	

Warning Sirens

Program funds major upgrades and expansion of the City's emergency warning siren system.

Waste Oil Collection Sites

This program provides funding for the City's four Waste Oil Collection sites (Glenway, Wheeler, First Street and Monona).

Background

- Project Goal: To bring the facilities within compliance of current code guidelines and to better isolate any illicit dumping of PCB contaminated waste oil.
- Scope: Planned replacement of the City's four waste oil collection sites.

Planned Projects

- 2018: None
- 2019: Planning
- 2020: Monona Site
- 2022: First Street

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied - Sewer			25,000	150,000		150,000	
TOTAL			\$25,000	\$150,000		\$150,000	

Sewer Utility

2018 Capital Budget

Finance Committee Budget Presentation

Robert Phillips, P.E. , City Engineer

Budget Highlights

1. Priority given to funding planned street construction projects.
2. Continued emphasis of trenchless sewer rehabilitation.
3. Sewer Impact Fee Districts planned but based on development requests.

Lift Station Rehabilitations

This program funds major repairs and rehabilitation of the Sewer Utility's 29 wastewater lift stations and force mains.

Background

- Goal: To maintain reliable lift stations to reduce the number of back-ups and emergency incidents.
- Asset Type: Sanitary Sewer

Planned Projects

- Based on MMSD repairs and improvements recommendations

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied – Sewer	\$56,000	62,000	66,000	70,000	70,000	75,000	75,000
TOTAL	\$56,000	\$62,000	\$66,000	\$70,000	\$70,000	\$75,000	\$75,000

Sewer Access Improvements

Background

- Goal: To establish permanent sewer maintenance access roads, trails, or paths in areas where access is not well established or non-existent.
- Asset Type: Land Improvements

Planned Projects

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied – Sewer	\$181,000	120,000	123,000	130,000	130,000	135,000	135,000
TOTAL	\$181,000	\$120,000	\$123,000	\$130,000	\$130,000	\$135,000	\$135,000

Sewer Impact Fee Districts

All impact district projects are based on developer need.

Background

- Goal: To extend sewer service to developing lands all funded by sewer service impact fees.
- Asset Type: Sanitary Sewer

Planned Projects

- 2019: Felland Road District
- 2019: Lower Badger Mill Phase IV District
- 2020: Pumpkin Hollow District
- 2022: Northeast Neighborhood Gaston Road Extension District

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Impact Fees			2,950,000	1,000,000		4,200,000	
TOTAL			\$2,950,000	\$1,000,000		\$4,200,000	

Sewer Reconstructions

This program provides funding for sanitary sewer project not included with street construction projects.

Background

- Goal: Replacement of old, problematic sewers in the City.
- Asset Type: Sanitary Sewer

Planned Projects

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Federal Sources	425,755						
Revenue Bonds - Sewer			250,000	250,000	250,000	400,000	400,000
Reserves Applied – Sewer			45,000	95,000	95,000	95,000	95,000
Special Assessment - Sewer			5,000	5,000	5,000	5,000	5,000
TOTAL	\$425,755		\$300,000	\$350,000	\$350,000	\$500,000	\$500,000

Trenchless Sewer Rehabilitation

This program rehabilitates sewers to reduce inflow and infiltration without using open cut methods

Background

- Goal: To repair seven miles of sewer mains citywide based on need with an emphasis on backyard sewer mains.
- Asset Type: Sanitary Sewer

Planned Projects

- Citywide - Approximately 7 miles per year

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Revenue Bonds – Sewer		1,200,000	1,280,000	1,350,000	1,350,000	1,480,000	1,480,000
Reserves Applied - Sewer		330,000	330,000	340,000	340,000	380,000	380,000
TOTAL		\$1,530,000	\$1,610,000	\$1,690,000	\$1,690,000	\$1,860,000	\$1,860,000

Verona Road Phase 4

Background

- Reauthorized funds will reconstruct sanitary sewer on the west side of the Verona Road right of way at Harley Drive.

Schedule

- 2018

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied	15,000						
Revenue Bonds	135,000						
TOTAL	\$150,000						

Stormwater Utility

2018 Capital Budget

Finance Committee Budget Presentation

Robert Phillips, P.E. , City Engineer

Budget Highlights

1. Stormwater Quality projects prioritized for planning and construction
2. Finalize Starkweather Coagulant Treatment design for construction in 2019

Citywide Flood Mitigation

This program improves stormwater network performance in City locations that flood during large rain events.

Background

- Goal: To reduce flooding and protect property from damage that floods during large snow melts and rain events.
- Asset Type: Stormwater Network

Planned Projects

- Backyard Drainage Problems
- Regional Flood Mitigation (Hidden Hill @ Hawk’s Landing, Celia Court)
- 2023: Willow Creek Storm Sewer

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO Borrowing - Stormwater	404,500	100,000	600,000	300,000	300,000	300,000	4,000,000
Reserves Applied- Stormwater	25,000	250,000	275,000	250,000	275,000	375,000	575,000
TOTAL	\$429,500	\$350,000	\$875,000	\$550,000	\$575,000	\$675,000	\$4,575,000

Starkweather Coagulant Treatment

Dane County Storm Water Quality grant awarded for 50% of construction costs (\$1,000,000 limit)

Background

- Project Goal: Remove approximately 85% of available phosphorous from the Starkweather water stream and have side benefits of removing total suspended solids and bacteria.
- Scope: Divert stormwater runoff from the East Branch of Starkweather Creek to an existing reconfigured pond on lands north of Milwaukee Street and east of the Starkweather Creek in the Town of Blooming Grove.

Schedule

- 2018: Planning
- 2019: Construction
- 2020: Restoration Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO Borrowing - Stormwater		600,000	3,540,000				
County Sources			1,000,000				
Reserves Applied - Stormwater		300,000	460,000	100,000			
TOTAL		\$900,000	\$5,000,000	\$100,000			

Stormwater Quality System Improvements

Funds all aspects of storm water quality improvement projects including those associated with the City's WDNR/EPA storm water discharge permit.

Background

- Goal: Funds all aspects of storm water quality improvement projects including those associated with the City's WDNR/EPA storm water discharge permit.
- Asset Type: Stormwater Network

Planned Projects

- Pond Dredging
- Greenway Improvements (Spring Harbor, Tree Lane, Restoration Landscaping)
- Raingardens
- Shorelines (John Nolen Dr)
- Stormwater Basins (Rimrock Retrofit)
- TMDL Compliance (Leaf Study/Salt Study)
- Urban Best Management Practices (Wingra Park, Darbo Webb, Cannonball & Bowman)
- Madison Beaches Water Quality Management

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO							
Borrowing	2,946,128	1,900,000	4,600,000	1,400,000	1,500,000	2,000,000	2,200,000
Carry-Over Applied	11,658						
County Sources	1,100,000						
Impact Fees	720,000						
Reserves Applied	844,421	205,000	215,000	265,000	240,000	285,000	235,000
TOTAL	\$5,622,207	\$2,105,000	\$4,815,000	\$1,665,000	\$1,740,000	\$2,285,000	\$2,435,000

Street Cleaning Equipment - Streets

This program is for the replacement of existing street sweeping machines operated by the Streets Department.

Background

- Goal: To reduce the discharge of gross pollutants, solids and other urban pollutants to the lakes by removing material from the streets surface before it is mixed in with storm water runoff.
- Asset Type: Machinery and Equipment

Planned Projects

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied		270,000	400,000	410,000	410,000	205,000	225,000
Trade In Allowance			40,000	45,000	45,000	22,000	25,000
TOTAL		\$270,000	\$440,000	\$455,000	\$455,000	\$227,000	\$250,000

Madison Parks

2018 Capital Budget

Finance Committee Budget Presentation

Eric Knepp

Budget Highlights

- Balance the need to invest in the Madison Parks system with the need to control borrowing costs
- Focus on:
 - continuation of efforts in in-depth public engagement with a focus on equity
 - addressing community and recreational needs
 - protecting environmental assets
 - investing in aging park infrastructure
 - thoughtful growth of new amenities
- Parks Mission:
 - To provide the ideal system of parks, natural resources and recreational opportunities which will enhance the quality of life for everyone

Beach and Shoreline Improvements

Updates ensure safety of park visitors using beaches, shorelines, and lake access points including boat launches and supporting amenities

Environmental sustainability achieved through preservation of natural shorelines

Background

- Goal: Provide boat launches that are safe / do not damage boats, shorelines that are not eroding, piers that are safe and accessible, and public beach areas
- Asset Type: Land Improvements

Planned Projects

- Launch and Pier Improvements
- Olin Boat Launch
- Shoreline Improvements
- Warner Boat Launch Parking Lot

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	445,000	850,000	85,000	435,000	135,000	150,000	700,000
Carry-Over Applied	60,000	-	-	-	-	-	-
Impact Fees	15,000	500,000	50,000	275,000	100,000	-	25,000
Private Contribution/ Donation	-	10,000	-	-	-	-	-
TOTAL	\$520,000	\$1,360,000	\$135,000	\$710,000	\$235,000	\$150,000	\$725,000

Breese Stevens Improvements

National Register of Historic Places

Facility plan recently completed

Project addresses ongoing maintenance issues

Expands use by increasing capacity and necessary supporting infrastructure

Provides additional supporting amenities

Background

- Project Goal: Increase utilization and historic preservation of Breese Stevens Field by increasing the capacity of the facility and providing additional amenities
- Scope: Address ongoing maintenance issues in a historic facility, provide additional amenities including an expanded concession area, and continue to facilitate expanded use of the facility by providing necessary infrastructure (e.g., additional bathroom and locker room facilities)

Schedule

- 2017: Schematic Design
- 2018-2019: Construction
- 2020: Design Completion
- 2021: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	300,000	-	-	-	400,000	-	-
Impact Fees	-	475,000	-	-	200,000	-	-
Private Contribution/ Donation	-	-	-	-	100,000	-	-
TOTAL	\$300,000	\$475,000	\$0	\$0	\$700,000	\$0	\$0

Central Park Improvements

Provides increased access to parks and recreational activities for city residents

Acquisition of additional property completed, relocation process underway

Future funding for improvements consistent with master plan (2024/2025)

Background

- Project Goal: Continue to expand Central Park in accordance with the master plan and provide park amenities and other transportation improvements as identified in the plan
- Scope: Acquisition of property, relocation, demolition and site stabilization

Schedule

- 2017: Acquisition
- 2018: Relocation process
- 2019: Construction (demolition and site stabilization)

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	250,000	-	180,000	-	-	-	-
Impact Fees	-	-	20,000	-	-	-	-
TOTAL	\$250,000	\$0	\$200,000	-	-	-	-

Conservation Park Improvements

Protect environmental assets

Preserve natural landscapes
and habitat

Control and remove invasive
species

Improve access to natural areas

Background

- Goal: To create natural landscapes and open spaces that are well-maintained and accessible to park visitors
- Asset Type: Land Improvements

Planned Projects

- Trail Improvements
- Habitat Restoration

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	75,000	145,000	270,000	235,000	300,000	175,000	100,000
Federal Sources	15,000	5,000	-	-	-	-	-
Impact Fees	-	-	100,000	25,000	-	25,000	-
Private Contribution/ Donation	-	-	5,000	5,000	30,000	30,000	30,000
TOTAL	\$90,000	\$150,000	\$375,000	\$265,000	\$330,000	\$230,000	\$130,000

Disc Golf Improvements

Ensure current standards for safety and playability are met

Enhance outdoor recreation opportunities for city residents

New disc golf course in 2021

Funded by disc golf fee revenues

Background

- Goal: To improve existing disc golf courses and to potentially build new disc golf courses
- Asset Type: Land Improvements

Planned Projects

- Disc Golf Improvements

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Transfer from Other Restricted	-	35,000	35,000	35,000	225,000	35,000	40,000
TOTAL	-	\$35,000	\$35,000	\$35,000	\$225,000	\$35,000	\$40,000

Dog Park Improvements

Funding for the creation of three new off-leash dog parks in the City by 2022

Provide suitable space for the growing number of dogs in Madison to exercise without damaging natural landscapes and minimizing conflicts

Includes necessary improvements to existing dog parks

Background

- Goal: To provide safe and maintainable facilities to meet the needs of the city's growing dog owner population
- Asset Type: Land Improvements

Planned Projects

- New off-leash dog park
- Improvements to existing dog parks

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	40,000	50,000	-	150,000	50,000	200,000	-
Impact Fees	-	50,000	-	-	275,000	125,000	-
Transfer from Other Restricted	60,000	50,000	50,000	50,000	75,000	75,000	50,000
TOTAL	\$100,000	\$150,000	\$50,000	\$200,000	\$400,000	\$400,000	\$50,000

Elver Park Improvements

Address existing infrastructure requirements for safe and accessible use

Ballfield parking lot repaving will address stormwater management issues to reduce negative impacts on environment

Path improvements improve accessibility and provide recreational opportunities

Background

- Project Goal: To improve accessibility and reconstruct parking to support the ballfield complex
- Scope: Repave parking lots and paths for the ballfield complex

Schedule

- 2021: Design
- 2022: Construction
- 2023: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	-	-	-	-	-	385,000	900,000
Impact Fees	-	-	-	-	-	105,000	600,000
TOTAL	-	\$0	\$0	\$0	\$0	\$490,000	\$1,500,000

Emerald Ash Borer Mitigation

Removal and replacement of terrace and park ash trees to promote a safe community and a diverse urban forest

Replacements needed to maintain existing canopy in the city

Trees help to reduce heat island effects and other environmental issues

Background

- Goal: To implement the recommendations of the EAB Task Force to proactively remove and replace ash trees throughout the city.
- Asset Type: Other

Planned Projects

- Emerald Ash Borer Mitigation

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	400,000	1,125,000	1,175,000	1,175,000	1,200,000	1,200,000	1,200,000
TOTAL	\$400,000	\$1,125,000	\$1,175,000	\$1,175,000	\$1,200,000	\$1,200,000	\$1,200,000

Forest Hill Cemetery Improvements

Storm sewer improvements needed to mitigate long-term drainage and flooding concerns

Operational savings from reduced supplies and staff time needed for repairs to irrigation system and reduced roadway maintenance

On the National Register of Historic Places

Background

- Project Goal: To improve access and environmental management at Forest Hill Cemetery.
- Scope: Replacement of water irrigation system, installation of storm sewer and roadway reconstruction.

Schedule

- 2017: Design Completion and Construction
- 2018: Construction
- 2019: Construction
- 2020: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	345,000	50,000	500,000	700,000	-	-	-
Private Contribution/ Donation	-	10,000	-	-	-	-	-
TOTAL	\$345,000	\$60,000	\$500,000	\$700,000	\$0	\$0	\$0

Hill Creek Park Improvements

Planning, design and construction of additional land acquired to expand park

Includes funding for access improvements

Funds the first phase of park development after park master plan approval process is completed in 2019

Background

- Project Goal: Provide a safe and accessible community park with varied amenities and reservable fields.
- Scope: Planning and design of recreational improvements and other supporting infrastructure for access such as roads and parking.

Schedule

- 2019: Planning and Design
- 2020: Construction (grading and access infrastructure)
- 2021: Design
- 2022: Construction (park improvements)

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	-	-	50,000	260,000	-	710,000	-
Impact Fees	-	-	-	490,000	-	790,000	-
TOTAL	-	\$0	\$50,000	\$750,000	\$0	\$1,500,000	\$0

James Madison Park Improvements

Master Plan update will reflect neighborhood input and community needs through RESJI public engagement process

Shelter improvements allow for higher utilization rates

Sustainable shelter design will reduce energy footprint and maintenance costs

Background

- Project Goal: To improved utilization of the park, shelter, and other park amenities.
- Scope: Park master planning underway, renovation and/or replacement of the shelter in 2019.

Schedule

- 2017: Planning
- 2018: Planning and Schematic Design
- 2019: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Impact Fees	-	-	500,000	-	-	-	-
Miscellaneous Revenue	39,567	-	-	-	-	-	-
Private Contribution/ Donation	-	-	400,000	-	-	-	-
Transfer From Other Restricted	50,000	-	-	-	-	-	-
TOTAL	\$89,567	\$0	\$900,000	\$0	\$0	\$0	\$0

Land Acquisition

Ensures the city’s growing population has ample space for recreation opportunities

Pursue opportunities to address deficiencies in areas with low park accessibility

Provides authorization to acquire additional land to expand existing parks

Background

- Goal: To pursue opportunities to add additional land to the city's park inventory by expanding existing parks or purchasing land in park-deficient areas.
- Asset Type: Land

Planned Projects

- Land Acquisition

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Impact Fees	213,049	9,000,000	250,000	250,000	250,000	250,000	250,000
Miscellaneous Revenue	50,000	-	-	-	-	-	-
TOTAL	\$263,049	\$9,000,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

North-East Park Improvements

Park master planning, design and park development of 237-acre park

Potential regional facility that can support multiple reservable fields, bike facilities, and other supporting amenities

Background

- Project Goal: Create multiple fields that can be reserved by the public and recreational space with associated supporting amenities
- Scope: Planning, design and construction in accordance with the approved park master plan

Schedule

- 2018: Planning
- 2019: Design
- 2021: Construction (Phase 1)
- 2022: Construction (Phase 2)

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	-	-	125,000	-	755,000	3,800,000	-
Impact Fees	-	-	50,000	-	200,000	900,000	-
Private Contribution/ Donation	-	-	-	-	100,000	300,000	-
TOTAL	-	\$0	\$175,000	\$0	\$1,055,000	\$5,000,000	\$0

Odana Hills Clubhouse Improvements

Building has reached end of its useful life, replace with a more sustainable and accessible facility

New facility will provide meeting and polling place for community

Reduce the energy footprint and maintenance costs of the building

Background

- Project Goal: Upgrade facility to provide an energy-efficient building for multiple uses, including reservable meeting space for the community, accessible polling place, winter operations, and golf clubhouse.
- Scope: Study and design for a new facility at Odana Hills (2019) and construction of new facility (2020).

Schedule

- 2018-2019: Planning and Design
- 2020: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	-	-	200,000	-	-	-	-
Reserves Applied	-	-	-	2,000,000	-	-	-
TOTAL	-	-	\$200,000	\$2,000,000	-	-	-

Olbrich Botanical Complex

Increased community outreach resulting from new education wing

Energy-efficient facilities reduce utility costs and energy footprint

Matching funds provided by Olbrich Botanical Society

Background

- Project Goal: To improve facilities to provide more educational classes and programs and improved support facilities
- Scope: Education wing, greenhouses, and potentially modifying the atrium to create a library and orientation space for visitors

Schedule

- 2017: Design
- 2018: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	-	4,500,000	-	-	-	-	-
Private Contribution/ Donations	3,750,000	-	-	-	-	-	-
TOTAL	\$3,750,000	\$4,500,000	\$0	\$0	\$0	\$0	\$0

Park Equipment

Ensures park staff have the resources to effectively maintain 5,500 acres of parkland

Continued investment in updated, safe and efficient equipment reduces additional labor hours as the Division's maintenance responsibilities grow

Background

- Goal: To provide the required equipment to allow staff to adequately maintain a growing number of park and open spaces, athletic fields, ice rinks, and snow removal operations in a timely and responsive manner
- Asset Type: Machinery and Equipment

Planned Projects

- Park Equipment

Budget

	Reauth	2018	2019	2020	2021	2022	2023
Transfer in from General Fund	-	350,000	350,000	350,000	400,000	350,000	350,000
Sale Property/ Capital Asset	-	25,000	25,000	25,000	25,000	25,000	25,000
TOTAL	-	\$375,000	\$375,000	\$375,000	\$425,000	\$375,000	\$375,000

Parks Facility Improvements

Updates needed to meet building code requirements

Reinvestment in existing infrastructure ensures communities have safe facilities to engage in recreation

Creates equitable opportunities for interaction and relationship-building

Planned improvements for parks deficient in recreational amenities

Background

- Goal: To maintain facilities that meet the needs of park users that are safe and accessible, as well as adequate facilities for staff to maintain the parks
- Asset Type: Building, Facility Equipment, Land Improvements

Planned Projects

- Cherokee Caretaker House
- Facility Improvements
- Lighting Improvements
- Equipment Maintenance
- Irrigation
- Seating

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	614,000	284,000	564,000	409,000	452,000	1,397,000	972,000
Impact Fees	30,000	80,000	525,000	75,000	30,000	350,000	80,000
Miscellaneous Revenue	-	3,000	3,000	3,000	-	-	-
Private Contribution/ Donation	-	10,000	-	-	-	-	50,000
Trade In Allowance	-	3,000	3,000	3,000	3,000	3,000	3,000
TOTAL	\$644,000	\$380,000	\$1,095,000	\$490,000	\$485,000	\$1,750,000	\$1,105,000

Park Land Improvements

Reinvestment in existing infrastructure ensures communities have safe facilities to engage in recreation

Provides communities with spaces for physical activity and social cohesion

Placemaking through park planning to engage the community in a safe and equitable environment

Background

- Goal: To improve connectivity and provide safe, accessible, and equitable recreational amenities across the park system
- Asset Type: Land Improvements

Planned Projects

- Courts
- Fields
- Fencing
- Land Management
- Landscaping
- Lighting
- Paving
- Planning
- Seating Areas

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	661,500	947,000	1,595,000	3,111,750	2,953,000	2,406,750	2,615,000
Impact Fees	10,000	654,000	775,000	865,000	385,000	849,250	125,000
Private Contribution/ Donation	-	20,000	15,000	100,000	15,000	75,000	15,000
TOTAL	\$671,500	\$1,621,000	\$2,385,000	\$4,076,750	\$3,353,000	\$3,331,000	\$2,755,000

Playground/ Accessibility Improvements

Ensures playgrounds meet safety requirements

Decreases risk of injury to children

Upgrades needed to meet or exceed ADA standards

Four more barrier-free playgrounds planned in CIP

Background

- Goal: Replace and upgrade existing playgrounds to meet NPSI and ASTM standards
- Asset Type: Land Improvements

Planned Projects

- All-Inclusive Playground
- Playground Maintenance
- Playground Replacements

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	75,000	745,000	755,000	985,000	1,010,000	550,000	1,010,000
Impact Fees	-	565,000	675,000	415,000	120,000	500,000	200,000
Private Contributions	-	35,000	65,000	40,000	50,000	50,000	40,000
TOTAL	\$75,000	\$1,345,000	\$1,495,000	\$1,440,000	\$1,180,000	\$1,100,000	\$1,250,000

Public Drinking Fountains

Provide additional drinking fountains (bubblers) to meet increasing demand

Improve access and locate bubblers equitably as part of a sustainable system

Water Utility may require metering depending on type, which will increase construction and operating costs

Background

- Goal: To install reliable drinking fountains at locations that will improve access to bubblers and create a sustainable system
- Asset Type: Other

Planned Projects

- Bubblers

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	38,000	-	40,000	40,000	40,000	50,000	50,000
TOTAL	\$38,000	-	\$40,000	\$40,000	\$40,000	\$50,000	\$50,000

Street Tree Replacements

Urban tree canopies provide vital ecosystem services in urban areas

Reduces the urban heat island effect, thereby lowering heating/cooling costs and reducing air pollution

Provides stormwater management by intercepting rainfall, reducing requirements on infrastructure to manage stormwater

Diversify tree species throughout the city

Background

- Goal: To maintain and improve the urban forest tree canopy in the city by providing funding to replace street trees
- Asset Type: Other

Planned Projects

- Street Tree Replacements

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	100,000	175,000	175,000	175,000	175,000	175,000	175,000
Private Contribution/ Donation	-	6,000	5,000	5,000	-	-	-
TIF Proceeds	-	21,000	20,000	20,000	25,000	25,000	25,000
TOTAL	\$100,000	\$202,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000

Vilas Park Improvements

New updates to enhance park and recreation opportunities for future generations

Shelter replacement in 2022 will result in operational savings and reduce energy footprint

Planning underway

Pedestrian bridge replacement scheduled for 2018

Background

- Project Goal: To create a sustainable park that will provide a variety of recreational amenities and protect and enhance natural resources
- Scope: Pedestrian bridges, shelter replacement (2022), and reconstruction of the roadway and parking (2023)

Schedule

- 2017-2018: Planning (Pedestrian Bridge Replacement)
- 2019-2021: Planning and Design
- 2022: Construction
- 2023: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	70,000	-	-	-	500,000	950,000	936,750
Impact Fees	-	-	-	-	-	300,000	363,250
Private Contribution/Donation	-	-	-	-	-	50,000	-
TOTAL	70,000	\$0	\$0	\$0	\$500,000	\$1,300,000	\$1,300,000

Warner Park Community Center

Increased opportunities for
community education,
involvement and outreach

Chance to encourage active
lifestyles and expand
knowledge of sustainable
practices

Create sustainable building and
decrease energy footprint of
facility

Background

- Project Goal: To provide space for additional programming, classes, and other community-building opportunities
- Scope: Expansion of the Warner Park Community Recreation Center.

Schedule

- 2017: Schematic Design
- 2018-2019: Design
- 2020: Construction

Budget

	Reauth	2018	2019	2020	2021	2022	2023
GF GO Borrowing	-	-	350,000	500,000	-	-	-
Impact Fees	-	-	-	150,000	-	-	-
Private Contribution/ Donation	-	-	-	450,000	-	-	-
TOTAL	-	\$0	\$350,000	\$1,100,000	\$0	\$0	\$0