

CDA REDEVELOPMENT 2021 CAPITAL IMPROVEMENT PLAN

MATTHEW WACHTER, CDA EXECUTIVE DIRECTOR



SUMMARY

2021 CIP Highlights

No new capital projects have been added to the CIP.

Major Changes from 2020

The outstanding renovation project at the Village on Park was closed in 2020. The CDA Board of Commissioners is engaged in a strategic planning conversation to set priorities for the ongoing development of the property.

Planned public housing redevelopment projects were postponed until 2021. The CDA Board has appointed an executive director and has hired a housing redevelopment specialist to advance this work.

MOSAIC RIDGE CONSTRUCTION FINANCING

Project Description

- § This project funds the construction of single family homes at the Mosaic Ridge housing development.
- § The goal of the project is to improve housing stock in the Allied Drive neighborhood and to maintain a variety of housing options.
- § The CDA has a goal of completing three new

PUBLIC HOUSING REDEVELOPMENT

Program Description

- § This program supports the redevelopment of aging CDA housing units.
- § The goal of this program is to provide quality, affordable housing for low-income seniors and people with disabilities.

Program Priority

- § Citywide Element: Neighborhoods and Housing
- § Strategy: Support the rehabilitation of existing housing stock, particularly for first-time homebuyers and people living with lower incomes.

2021 Planned Projects

- § Redevelopment of CDA-owned duplexes on Theresa Terrace.
- § In conjunction with the CDA Board's strategic discussions, plan for redevelopment on the Triangle.

	2021	2022	2023	2024	2025	2026
Borrowing	-	\$300,000	\$100,000	\$100,000	\$100,000	\$100,000
Other	-	-	-	-	-	-
TOTAL	-	\$300,000	\$100,000	\$100,000	\$100,000	\$100,000

COMMUNITY DEVELOPMENT DIVISION 2021 CAPITAL IMPROVEMENT PLAN

JIM O'KEEFE, DIRECTOR



SUMMARY

2021 CIP Highlights

CDD's Capital Budget again places primary emphasis on the task of helping address housing challenges confronting lower- and moderate-income households in Madison, chief among which is the continued shortage of quality housing stock. The submitted budget seeks to respond by expanding the scope of projects assisted by the Affordable Housing Fund, and increasing support for existing consumer lending programs to address growing demand and anticipated needs associated with the City's looming annexation of the Town of Madison.

Major Changes from 2020

Affordable Housing – Development Projects:

Program funding increased by \$500k in 2022 and \$1.0m annually starting in 2023 (\$3.5m).

Program expanded to include support for a wider range of housing opportunities (i.e., beyond tax-credit eligible development projects).

Affordable Housing – Consumer Lending:

Overall program funding increased by \$1.33m annually to reflect the transfer from the Operating Budget to the Capital Budget of funds derived from Federal and State sources.

Property Tax Financing for Eligible Seniors:

Annual funding increased by \$80k, based on projected uptick in demand (\$400k).

Home Purchase Assistance and Housing Rehab Services:

Funding from 2022-2025 increased based on anticipated increased demand from Town of Madison annexation (\$1.36m).

AFFORDABLE HOUSING – DEVELOPMENT PROJECTS

Program Description

- § Continues a major initiative to expand and improve the supply of affordable housing in Madison. To date, the program has assisted projects that have added nearly 1,350 affordable rental units to the Madison market. In 2021, in addition to the customary annual assistance for tax-credit housing developments, the program will seek to support a fuller range of housing opportunities.

	2021	2022	2023	2024	2025	2026
Borrowing	3,470,000	6,000,000	2,000,000	4,100,000	6,500,000	6,500,000
Other	2,300,000	-	4,500,000	2,400,000	-	-
TOTAL	\$ 5,770,000	\$ 6,000,000	\$ 6,500,000	\$ 6,500,000	\$ 6,500,000	\$ 6,500,000

Program Priority

- § Citywide Element: Neighborhoods and Housing
- § Strategy: Integrate lower priced housing, including subsidized housing, into complete neighborhoods.

2021 Planned Projects

(prospective development partners to be identified through a Request for Proposals or Request for Qualifications process)

- § 4-5 housing development projects seeking to leverage federal Low-Income Housing Tax Credits (LIHTCs)
- § 2-3 non-tax credit housing projects (e.g., smaller scale developments, homeownership opportunities, etc.)

AFFORDABLE HOUSING – CONSUMER LENDING

Program Description

- § Supports CDD-administered direct lending programs that assist eligible City residents to acquire homes and help finance costs associated with home repairs and property taxes.

	2021	2022	2023	2024	2025	2026
Borrowing	218,000	218,000	433,000	683,000	683,000	683,000
Other	1,792,000	1,792,000	1,792,000	1,792,000	1,792,000	1,792,000
TOTAL	\$ 2,010,000	\$ 2,010,000	\$ 2,225,000	\$ 2,475,000	\$ 2,475,000	\$ 2,475,000

- § City funds complement (and are occasionally used in combination with) available Federal and State funds to help residents purchase homes and secure rehabilitation loans.

Program Priority

- § Citywide Element: Neighborhoods and Housing
- § Strategy: Support the rehabilitation of existing housing stock, particularly for first-time homebuyers and people living with lower incomes.

2021 Planned Projects

- § Home Purchase Assistance (*a/k/a Home-Buy the American Dream Program*)
- § Housing Rehabilitation Services
- § Property Tax Financing for Eligible Seniors (*a/k/a Reverse Mortgage Program*) – expanded to keep pace with demand

SENIOR CENTER BUILDING IMPROVEMENTS

Project Description

§ Funds multiple building improvements to the Madison Senior Center to address safety and other concerns.

§ Planned improvements include:

§ external lighting improvements (2021)

§ flooring repair, movable airwall replacement, exterior drive painting and sealing (2022)

§ door replacement, patio/rooftop repair (2023-24)

§ door swipe access system upgrades, exterior locks replacement, exterior brick tuckpointing (2025)

§ elevator modernization and safety upgrades (2025-26)

Total Budget

\$ 343,000

Prior Appropriation

\$ 10,000

	2021	2022	2023	2024	2025	2026
Borrowing	7,000	89,000	47,000	52,000	40,000	98,000
Other	-	-	-	-	-	-
TOTAL	\$ 7,000	\$ 89,000	\$ 47,000	\$ 52,000	\$ 40,000	\$ 98,000

Project Priority

§ Citywide Element: Culture and Character

§ Strategy: Create safe and affirming community spaces that bring people together and provide social outlets for underrepresented groups.

ECONOMIC DEVELOPMENT DIVISION 2021 CAPITAL IMPROVEMENT PLAN

MATTHEW B. MIKOLAJEWSKI



SUMMARY

2021 CIP Highlights

Small Business Equity and Recovery (SBER) Program funding of \$2.5 million in 2021

Placeholder of \$7 million for UW Research Park project (TID # 46)

Maintenance of \$7 million (TID #36) for Madison Public Market

Continuation of Coop Enterprise and Healthy Retail Access Programs

Continuation of holding cost line items for City-owned property

Major Changes from 2020

Land Banking Program increased to \$3 million in 2021

Façade Improvement Grant Program included as sub-program within SBER Program

Commercial Ownership Assistance Program included as sub-program within SBER Program

CENTER FOR INDUSTRY AND COMMERCE

Program Description

- § This program funds the annual holding, maintenance, and marketing costs for the 96-acre Center for Industry and Commerce (CIC).

Program Priority

- § Citywide Element: Economy and Opportunity
- § Strategy: Ensure an adequate supply of sites for a wide variety of employers to operate and grow.

2021 Planned Projects

- § Planned projects for 2021 include the

CO-OPERATIVE ENTERPRISE DEVELOPMENT

Program Description

§ This program funds grants, loans, and training opportunities for cooperative enterprises to support job creation and development.

	2021	2022	2023	2024	2025	2026
Borrowing	-	300,000	-	-	-	-
Other	300,000	-	-	-	-	-
TOTAL	300,000	300,000	-	-	-	-

Program Priority

- § Citywide Element: Economy and Opportunity
- § Strategy: Retain existing employers and attract new employers to ensure residents have access to jobs.

2021 Planned Projects

- § Planned projects for 2021 include disbursement of three to six grants, loans, or training funding to eligible applicants.

GENERAL LAND ACQUISITION FUND

Program Description

§ This program funds land purchases for future municipal purposes. Purchasing from the fund can only be completed to the extent that funds are available and specific Common Council approval is obtained.

Program Priority

§ Citywide Element: Land Use & Transportation

§ Strategy: Concentrate high intensity development along transit corridors.

2021 Planned Projects

§ Funding in 2021 is for property holding costs for parcels currently owned by the City.

	2021	2022	2023	2024	2025	2026
Borrowing	-	-	-	-	-	-
Other	60,000	60,000	60,000	60,000	60,000	60,000
TOTAL	60,000	60,000	60,000	60,000	60,000	60,000

HEALTHY RETAIL ACCESS PROGRAM

Program Description

This program provides grant opportunities for projects that aim to improve access to affordable, healthy, and culturally appropriate food within areas of focus, as identified in the Food Access Improvement Map.

	2021	2022	2023	2024	2025	2026
Borrowing	-	150,000	150,000	150,000	150,000	150,000
Other	150,000	-	-	-	-	-
TOTAL	150,000	150,000	150,000	150,000	150,000	150,000

Program Priority

Citywide Element: Neighborhoods and Housing

Strategy: Ensure access to food that is affordable, nutritious, and culturally specific.

2021 Planned Projects

Planned projects for 2021 include grants for three to five businesses receiving technical or financial assistance based on applications for support.

LAND BANKING

Program Description

This program is for the acquisition of land and buildings that could be used for future economic development, affordable housing projects, and other City uses.

	2021	2022	2023	2024	2025	2026
Borrowing	3,000,000	2,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Other	-	-	-	-	-	-
TOTAL	3,000,000	2,000,000	1,000,000	1,000,000	1,000,000	1,000,000

Program Priority

Citywide Element: Neighborhoods and Housing

Strategy: Create complete neighborhoods.

2021 Planned Projects

The increased funding is intended to respond to a short-duration market opportunity. Projects planned for 2021 include completing one to three parcel acquisitions.

SMALL BUSINESS EQUITY AND RECOVERY

Program Description

This program combines and focuses City resources to support relief, recovery, and stimulus efforts due to the significant impact of COVID-19 on Madison's small businesses and entrepreneurs.

	2021	2022	2023	2024	2025	2026
Borrowing	2,500,000	2,000,000	2,000,000	-	-	-
Other	-	-	-	-	-	-
TOTAL	2,500,000	2,000,000	2,000,000	-	-	-

Program Priority

Citywide Element: Economy and Opportunity

Strategy: Support small businesses and cultivate entrepreneurship, especially businesses owned by underrepresented groups.

2021 Planned Projects

Establish and launch the sub-programs that form the Small Business Equity and Recovery

TID 36 CAPITOL GATEWAY CORRIDOR

Program Description

This program supports development and public works within TID 36, created in 2005. The district is located in downtown Madison and includes the area generally bounded by First Street, Dayton Street, and Blount and East Wilson Streets.

Program Priority

Citywide Element: Land Use & Transportation

Strategy: Concentrate high intensity development along transit corridors.

2021 Planned Projects

Projects planned for 2021 and beyond include continued implementation of the Capitol Gateway Corridor BUILD Plan.

	2021	2022	2023	2024	2025	2026
Borrowing	-	-	-	-	-	-
Other	50,000	100,000	100,000	100,000	100,000	100,000
TOTAL	50,000	100,000	100,000	100,000	100,000	100,000

TID 39 STOUGHTON ROAD

Program Description

This program supports development and public works within TID 39, created in 2008. The district is located within an area generally bounded by South Stoughton Road, Cottage Grove Road, Interstate 39/90 and the property line between Voges Road and the Beltline.

Program Priority

Citywide Element: Economy and Opportunity

Strategy: Ensure an adequate supply of sites for a wide variety of employers to operate and grow.

2021 Planned Projects

Funding in 2021 is for property holding costs.

	2021	2022	2023	2024	2025	2026
Borrowing	-	-	-	-	-	-
Other	30,000	30,000	30,000	30,000	30,000	30,000
TOTAL	30,000	30,000	30,000	30,000	30,000	30,000

TID 42 WINGRA

Program Description

This program supports development and public works within TID 42, created in 2012. The district is located on Madison's south side with the general boundaries of South Park Street, West Wingra Drive, and Fish Hatchery Road

Program Priority

Citywide Element: Land Use & Transportation

Strategy: Concentrate high intensity development along transit corridors.

2021 Planned Projects

Funding in 2021 is for property holding costs.

	2021	2022	2023	2024	2025	2026
Borrowing	-	-	-	-	-	-
Other	30,000	30,000	30,000	30,000	30,000	30,000
TOTAL	30,000	30,000	30,000	30,000	30,000	30,000

TID 46 RESEARCH PARK

Program Description

program supports development and public works projects within TID 46, created in 2015. The district is located on Madison's west side off of Mineral Point Road and Whitney Way.

	2021	2022	2023	2024	2025	2026
Borrowing	7,000,000	-	-	-	-	-
Other	-	-	-	-	-	-
TOTAL	7,000,000	-	-	-	-	-

Program Priority

Citywide Element: Economy and Opportunity

Strategy: Retain existing employers and attract new employers to ensure residents have access to jobs.

2021 Planned Projects

Funding in 2021 is for developer loan(s).

ENGINEERING – FACILITIES MANAGEMENT 2021 CAPITAL IMPROVEMENT PLAN

ROBERT PHILLIPS, CITY ENGINEER



SUMMARY

2021 CIP Highlights

Significant increase in Energy Improvements budget and corresponding increase in Green Power Solar Program and Lighting Retrofit programs to address the City of Madison's 100% Renewable Madison plan.

Major Changes from 2020

Agency "Building Improvement Programs" consolidated in FM budget (Fire, Police, Streets, Eng. Services)

CCB 1st Floor Remodel – Funding for construction deferred from 2022 to 2023

CCB 4th and 5th Floor Remodel – Master Planning in 2021, but construction moved to Horizon List

Tenney Park Beach Shelter added to 2021 budget to continue City/County clean beach program initiative.

CCB 1ST FLOOR REMODEL

Project Description

§ This project is for the design and remodel of the Assessor, Clerk, Treasurer, and Parks suites on the first floor of the City County Building (CCB). The goal of the project is to optimize the usage of available space in the suite and improve work stations for staff. The project's scope includes design, construction, furniture, audiovisual equipment, moving costs, rental of temporary facilities, and staff costs. Design will continue in 2021 with existing appropriation; construction is planned for 2023.

Total Budget

4,500,000

Prior Appropriation

150,000

	2021	2022	2023	2024	2025	2026
Borrowing			4,350,000			
Other						
TOTAL			4,350,000			

Project Priority

- § Citywide Element: Effective Government
- § Strategy: Improve accessibility to government agencies and services

CCB IMPROVEMENTS

Program Description

§ This program funds the City's portion of shared City and County facility projects scheduled for the City County Building (CCB). The goal of this program is to support necessary repair and maintenance work in coordination with Dane County. Projects funded in this program include electrical, HVAC, and other building updates. Projects planned in 2021 will be determined by Dane County. Increased funding 2023 is for window replacements throughout the building.

	2021	2022	2023	2024	2025	2026
Borrowing	100,000	100,000	2,060,000	100,000	100,000	100,000
Other						
TOTAL	100,000	100,000	2,060,000	100,000	100,000	100,000

Program Priority

- § Citywide Element: Effective Government
- § Strategy: Co-locate community facilities to provide a high level of service to all neighborhoods.

2021 Planned Projects

- § Unallocated. Further review required w/ Dane County.

ENGINEERING SERVICE BUILDING IMPROVEMENTS

Program Description

- § This program is for scheduled improvements to the City's Engineering Services Building. The goal of this program is to maintain and improve the City's Engineering Services Building to optimize service operations and work conditions and to lower energy costs by implementing energy efficiency components within the improvement projects. Projects funded in this program included replacement of energy-using building systems and components that have exceeded their useful life. Program funding in 2021 will be used for an off-grid, battery-based photo-voltaic (PV) charging system for electrical vehicles (EV).

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	141,000					
TOTAL	141,000					

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

2021 Planned Projects

- § Off-grid, battery-based photo-voltaic (PV) charging system for electrical vehicles (EV)

ENERGY IMPROVEMENTS

Program Description

- This program is for implementation of energy efficiency goals. The goals of the program are to meet the 100% Renewable Madison plan at City-owned sites and facilities, support energy efficiency, and reduce energy demand. Projects supported by this program include supplying distributed energy via solar photovoltaic (PV) panels, installation of LED lighting, and building automation upgrades. Projects planned in 2021 include installing of solar PV at Fire, Police, Library, and Traffic Engineering facilities through the Green Power job training program, as well as LED lighting installation, retro commissioning, and building automation. Completion of planned annual projects are estimated to save \$100,000 annually upon completion, the projected savings does not include debt service costs.

Program Priority

- Citywide Element: Green and Resilient
- Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

2021 Planned Projects

- See notes to right.

	2021	2022	2023	2024	2025	2026
Borrowing	1,985,000	1,941,000	2,811,000	2,616,000	2,799,000	2,830,000
Other	40,000	40,000	40,000	40,000	40,000	40,000
TOTAL	2,025,000	1,981,000	2,851,000	2,656,000	2,839,000	2,870,000

2021 Planned Projects

- SOLAR – Pinney Library, Fire Station 07, Police West District Fire Station 14, Police Training, Police East District.
- LED LIGHTING RETROFITS – MPD East District, MPD West District, Streets West Badger, Senior Center.
- RETRO COMMISSIONING and BUILDING AUTOMATION UPGRADES – Sites TBD.

FIRE BUILDING IMPROVEMENTS

Program Description

§ This program is for routine maintenance at the City's 14 Madison Fire Department stations and administration offices. The goal of this program is to maintain and improve the City's Fire facilities to optimize service operations and work conditions and to lower energy costs by implementing energy efficiency components within the improvement projects. Projects funded in this program include building, mechanical, and utility system upgrades at fire stations. Projects planned for 2021 include Fire Station 2 Water Heater Replacement, Fire Station 3 Rooftop Air Handlers Replacement, Fire Station 5 Overhead Door Openers Replacement, Fire Station 8 Roof Replacement, and Fire Station 12 Controls Upgrade. The 2021 Executive Capital Budget consolidates the Fire Building Improvements budgets under Engineering - Facilities Management.

	2021	2022	2023	2024	2025	2026
Borrowing	295,000	295,000	295,000	295,000	340,000	520,000
Other						
TOTAL	295,000	295,000	295,000	295,000	340,000	520,000

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

2021 Planned Projects

- § See list in program description above.

GENERAL BUILDING IMPROVEMENTS

Program Description

§ This program is for scheduled improvements and unplanned repairs to City-owned facilities. The goal of this program is to maintain and improve the City's facilities to optimize service operations and working conditions and to lower energy costs by implementing energy efficiency components within the improvement projects. Projects funded in this program include renewable energy systems as well as replacement of building systems. Projects planned for 2021 include COVID-19-related building upgrades, such as automatic doors, non-touch controls, HVAC upgrades, and work station adjustments, as well as other building upgrades.

	2021	2022	2023	2024	2025	2026
Borrowing	300,000	310,000	330,000	350,000	370,000	390,000
Other						
TOTAL	300,000	310,000	330,000	350,000	370,000	390,000

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

2021 Planned Projects

- § See list in program description above.

HORIZON LIST PLANNING

Program Description

- § This project is for fully scoping facility projects identified on the capital budget Horizon List. The goal of this project is to provide accurate project scope with a detailed cost estimate to ensure readiness of proposed capital projects. The 2021 Horizon List includes the following facility projects: City County Building 4th and 5th Floor Remodels, Brittingham Beach House
Vilas Park
Shelter Reconstruction, and the Lake Street Garage Replacement.

	2021	2022	2023	2024	2025	2026
Borrowing	200,000	200,000	200,000	200,000	200,000	200,000
Other						
TOTAL	200,000	200,000	200,000	200,000	200,000	200,000

Program Priority

- § Citywide Element: Effective Government
- § Strategy: Ensure that the City of Madison government is transparent and accountable.

2021 Planned Projects

- § See list in program description above.

PARK FACILITY IMPROVEMENTS

Program Description

- § This program is for routine maintenance at the City's existing Parks facilities. The goals of this program are to provide quality park facilities to the community and to lower energy costs by implementing energy efficiency components within the improvement projects. Projects in 2021 include Tenney Park Beach Shelter (Clean Beach Program) design/construction start and Garner Roof Replacement. The Door Creek Shelter project proposed in the agency request is being moved to the Horizon List to allow for additional project scoping, and the Olbrich Botanical Cottage Repointing project is being deferred from 2022 to 2024.

Program Priority

- § Citywide Element: Culture and Character
- § Strategy: Acquire parkland and upgrade park facilities to accommodate more diverse activities and gatherings.

2021 Planned Projects

- § See list in program description above.

	2021	2022	2023	2024	2025	2026
Borrowing	1,000,000	600,000	332,500	700,000	503,000	575,000
Other						
TOTAL	1,000,000	600,000	332,500	700,000	503,000	575,000

POLICE BUILDING IMPROVEMENTS

Program Description

§ This program provides funding for routine maintenance at the six Police District Stations, the Training Center, and the Police Department units in the City County Building. The goal of the program is to provide acceptable, functional, inviting, and energy efficient work space for employees and the public. Progress will be measured by monitoring the number of unplanned repairs and energy usage at the facilities. Funding in 2021 will be used for window, door, and masonry repairs at the North District Station; water heater replacement, parking lot repairs, and window and door repairs at the East District Station; carpet and roof repairs/replacement and parking lot maintenance at the Training Center; and smaller projects at the South and West District Stations. Higher funding levels in 2026 are driven by carpet replacement, painting, and HVAC system costs at the West District station, as well as improvements at the North District station and Police Training Center. The 2021 Executive Capital Budget consolidate facilities maintenance and improvement projects for other departments under the Engineering - Facilities Management budget.

Program Priority

- § Citywide Element: Culture and Character
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

2021 Planned Projects

- § See list in program description above.

	2021	2022	2023	2024	2025	2026
Borrowing	311,100	416,600	420,535	411,100	392,900	573,080
Other						
TOTAL	311,100	416,600	420,535	411,100	392,900	573,080

SAYLE STREET FACILITY REMODEL

Project Description

§ This project is for renovating the shared shop space at the Traffic Engineering and Parking Utility facility located at 1120 Sayle Street. The goal of the project is to improve work safety conditions and to better utilize the space resulting from the Radio Shop relocating to the Fleet Facility at Nakoosa Trail. The project scope includes space reconfigurations for the Traffic Engineering and Parking Field Operations Facility, and replacing the existing HVAC system. Design is planned for 2021; construction is planned for 2023.

Total Budget

1,645,000

Prior Appropriation

	2021	2022	2023	2024	2025	2026
Borrowing	200,000		1,185,000			
Other			260,000			
TOTAL	200,000		1,445,000			

Project Priority

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

STREETS FACILITY IMPROVEMENTS

Program Description

§ This program is for routine maintenance to the four Streets Division facilities. The goal of this program is to maintain and improve the City's Streets facilities to optimize service operations and working conditions and to lower energy costs by implementing energy efficiency components within the improvement projects. Projects funded in this program include updates to existing building systems such as HVAC and electrical. No projects are planned for 2021. The increased budget in 2026 is to replace the building mechanical system and renovate the Streets facility located on Badger Road. The 2021 Executive Capital Budget consolidates facility maintenance and improvement projects under the Engineering - Facility Management budget.

	2021	2022	2023	2024	2025	2026
Borrowing		500,000	450,000	450,000	500,000	1,100,000
Other						
TOTAL		500,000	450,000	450,000	500,000	1,100,000

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

2021 Planned Projects

- § See list in program description above.

SUSTAINABILITY IMPROVEMENTS

Program Description

§ This program is for implementation of the City of Madison's sustainability projects. The goal of this program is to transition the City of Madison to operating on 100% renewable energy and zero net carbon. Projects funded in this program include implementation of the City's Sustainability Plan, the 100% Renewable Madison Report Resiliency Planning, and Renewable Energy Credit (REC) purchases. Projects planned for 2021 include the residential and commercial components of the Energy Efficiency Program, annual costs for the REC program, and various costs associated with implementing the 100% Renewable Plan. The reduction in 2022 is due to not spending savings from energy credits.

	2021	2022	2023	2024	2025	2026
Borrowing	850,000	671,888	850,000	850,000	850,000	850,000
Other						
TOTAL	850,000	671,888	850,000	850,000	850,000	850,000

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

2021 Planned Projects

- § See list in program description above.

ENGINEERING – MAJOR STREETS 2021 CAPITAL IMPROVEMENT PLAN

ROBERT PHILLIPS, CITY ENGINEER



SUMMARY

2021 CIP Highlights

Pavement Management – Resurfacing, Patching, Chip Sealing, Crack Sealing

Park Street Joint Repair – SB lanes W Wash to Olin, RR to Badger

Reconstruction Streets – Full reconstruct

Major Changes from 2020

Include CTH AB Interchange in 2022 – Joint project with WisDOT, Dane County, Ho Chunk Nation

Pavement Management up 2M total in 2021 (+850k in GO)

Reconstruct Streets down 4.4M total over CIP (-1.8M in GO)

BLAIR STREET, S.

Project Description

- This project is for reconstructing South Blair Street from East Washington Avenue to Williamson Street and East Washington Avenue from Blair Street to Blount Street on the City's isthmus. The goal of this project is to improve the pavement quality of the 0.3 mile segment and improve transportation safety on the existing roadway. The current pavement rating of this road is 3 of 10. The project scope includes street reconstruction and a new traffic signal for the East Main Street and South Blair Street intersection. Land acquisition is planned for 2021; construction is planned for 2022. This project will be completed with the State of Wisconsin.

Total Budget

1,802,000

Prior Appropriation

125,000

	2021	2022	2023	2024	2025	2026
Borrowing	50,000	500,000				
Other		1,127,000				
TOTAL	50,000	1,627,000				

Project Priority

- Citywide Element: Land Use and Transportation
- Strategy: Does not meet a strategy. However the goal of the land use and transportation portion of the comprehensive plan is that Madison will have a safe, efficient and affordable regional transportation system that offers a variety of choices among transportation modes. This project works toward that goal.

BLAIR/JOHN NOLEN INTERSECTION

Project Description

§ This project is for replacing the intersection of Blair Street and John Nolen Drive. The goal of the project is to improve the pavement quality rating of the intersection. The current pavement quality rating is 3 of 10. The project's scope includes replacement of pavement, curb, gutter, and sidewalk. Construction is planned for 2022 with federal and state funding secured for this project.

Total Budget

1,399,000

Prior Appropriation

520,000

	2021	2022	2023	2024	2025	2026
Borrowing	50,000	500,000				
Other		329,000				
TOTAL	50,000	829,000				

Project Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Does not meet a strategy. However the goal of the land use and transportation portion of the comprehensive plan is that Madison will have a safe, efficient and affordable regional transportation system that offers a variety of choices among transportation modes. This project works toward that goal.

BRIDGE REPAIR

Program Description

- § This program is for repair, replacement, and painting of bridges to maintain a safe condition. The goal of this program is to provide safe bridges measured by routine evaluation. Projects funded in this program include bridge repair and resurfacing. Funding in 2021 is for maintenance repairs to the Alicia Ashman pedestrian bridge.

	2021	2022	2023	2024	2025	2026
Borrowing	250,000	170,000	170,000	170,000	177,000	186,000
Other						
TOTAL	250,000	170,000	170,000	170,000	177,000	186,000

Program Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Does not meet a strategy. However the goal of the land use and transportation portion of the comprehensive plan is that Madison will have a safe, efficient and affordable regional transportation system that offers a variety of choices among transportation modes. This project works toward that goal.

2021 Planned Projects

- § Alicia Ashman Bridge Maintenance

CTH AB INTERCHANGE

Project Description

§ This project funds the construction of a new interchange for CTH AB and USH 12 on the City's east side. The goal of this project is to improve traffic safety in an area that has seen multiple crashes involving serious injury and deaths. The project's scope includes replacement of the intersections at Mill Pond Rd/USH 12 and CTH AB/USH 12 with a new interchange and frontage road system. Design is scheduled for 2021 and construction for 2022. This is a joint project with the State of Wisconsin Department of Transportation, Ho Chunk Nation, and Dane County; the project budget includes the City's share of the project. Ongoing costs include \$28,500 for path and street maintenance.

Total Budget

5,011,000

Prior Appropriation

	2021	2022	2023	2024	2025	2026
Borrowing		5,000,000				
Other	11,000					
TOTAL	11,000	5,000,000				

Project Priority

- § Citywide Element: Effective Government
- § Strategy: Pursue regional solutions to regional issues.

JOHN NOLEN DRIVE

Project Description

§ This project is for replacing pavement and the causeway bridges on John Nolen Drive between North Shore Drive and Olin Avenue. The goal of this project is to improve transportation safety and pavement quality for this segment of roadway, as well as to improve safety of the bridges. The current pavement rating of this road is 5 of 10. The project's scope includes replacing the six bridges on the John Nolen Drive causeway, which are approaching the end of their service life. The project budget also anticipates reconstructing the existing bike path to create additional space for bike and pedestrian traffic, particularly where it is narrow over waterways. Completion of this project will occur in phases. The first phase of the project is planned for 2026 and will include the section of John Nolen from North Shore Drive to Lakeside Street, including bridge replacement and bike path reconstruction. Phase two of the project is scheduled for 2027, and will include additional bike path construction and pavement work on the section from Lakeside Street to Olin Avenue. The project budget assumes federal funding that has not yet been awarded.

Total Budget

13,980,000

Prior Appropriation

2,880,000

	2021	2022	2023	2024	2025	2026
Borrowing						10,600,000
Other					5,000	500,000
TOTAL					5,000	11,100,000

Project Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

NEIGHBORHOOD TRAFFIC MANAGEMENT & PEDESTRIAN IMPROVEMENTS

Program Description

§ improvements on local streets. The goal of this program is to reduce the speed of traffic and improve pedestrian safety. Projects funded in this program include speed bumps, traffic circles, and installation of roadway islands. Projects for 2021 will be identified based on requests by city residents, Alders, and the Transportation Commission.

	2021	2022	2023	2024	2025	2026
Borrowing	350,000	350,000	350,000	350,000	364,000	382,000
Other						
TOTAL	350,000	350,000	350,000	350,000	364,000	382,000

Program Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

2021 Planned Projects

- § Projects are requested by Residents, Alders and Staff and are approved by Transportation Commission

OUTER CAPITOL LOOP SOUTHEAST

Project Description

§ This project is for reconstructing the southeast section of the Outer Capitol Loop. The goal of this project is to improve the roadway's pavement quality rating and pedestrian experience. The pavement quality rating for the roadway is currently 5 of 10. The project's scope includes reconstruction of East Doty Street from Martin Luther King Jr. Boulevard to South Webster Street and South Pinckney from East Doty Street to East Wilson Street along with improvements to the existing stormwater and sewer infrastructure. Funding in 2023 is for construction.

Total Budget

2,288,000

Prior Appropriation

	2021	2022	2023	2024	2025	2026
Borrowing			1,855,000			
Other			433,000			
TOTAL			2,288,000			

Project Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

PARK STREET, SOUTH (OLIN TO RR)

Project Description

§ This project is for reconstructing South Park Street. The goal of the project is to improve the pavement quality of the roadway. The current pavement rating is 4 of 10. The project's scope includes South Park Street from the railroad to Olin Avenue. Construction is planned for 2026. The project budget assumes State funding for this project, these funds are not yet secured.

Total Budget

1,486,000

Prior Appropriation

170,000

	2021	2022	2023	2024	2025	2026
Borrowing			300,000			670,000
Other						346,000
TOTAL			300,000			1,016,000

Project Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

PARK STREET, SOUTH (W WASH-OLIN, RR-BADGER)

Project Description

§ This project is for repairing deteriorated pavement joints on South Park Street. The goal of the project is to improve the pavement quality of the existing roadway. The current pavement rating is 4 of 10. Northbound lanes were repaired in 2019. The project's scope includes South Park Street from Badger Road to the Union Pacific Railroad and from Olin Avenue to West Washington Avenue. Funding in 2021

Total Budget

4,430,000

Prior Appropriation

2,560,000

	2021	2022	2023	2024	2025	2026
Borrowing	1,870,000					
Other						
TOTAL	1,870,000					

Project Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Does not meet a strategy. However the goal of the land use and transportation portion of the comprehensive plan is that Madison will have a safe, efficient and affordable regional transportation system that offers a variety of choices among transportation modes. This project works toward that goal.

PAVEMENT MANAGEMENT

Program Description

§ This program is for street resurfacing and repair, crack sealants, and chip sealing on existing streets. The goal of the program is to extend the life of existing streets. Each year the program resurfaces 8-10 miles, chip seals approximately 75 miles, and crack seals approximately 75 miles. Projects planned in 2021 include patching; chip and crack sealing (\$6 million); Gammon Road; W. Washington Ave (\$2.2 million); Old Middleton and Craig Road (\$8.6 million); South Street and Wingra Street (\$1.2 million); Hooker, Sheridan, and Steensland; Melvin and Ridgeway; Everglade and Carlsbad; Kroncke, Lanett, and Tanager (\$1.2 million); Brooks, Fahrenbrook, and College (\$1.7 million); East Johnson Street; Nelson Road; Odana Road; E. Gorham Street; are funded with TID borrowing: Old Middleton and Craig Road (TID 41).

	2021	2022	2023	2024	2025	2026
Borrowing	23,164,000	16,524,000	15,171,000	15,177,000	15,798,000	16,613,000
Other	3,217,000	3,239,000	3,024,000	3,030,000	3,147,000	3,304,000
TOTAL	26,381,000	19,763,000	18,195,000	18,207,000	18,945,000	19,917,000

Program Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Does not meet a strategy. However the goal of the land use and transportation portion of the comprehensive plan is that Madison will have a safe, efficient and affordable regional transportation system that offers a variety of choices among transportation modes. This project works toward that goal.

2021 Planned Projects

§ W Washington, E Gorham, Old Middleton, Craig, South, Wingra, Hooker, Sheridan, Steensland, Melvin, Ridgeway, Forster, Everglade, Carlsbad, Kroncke, Lanett, Tanager, Brooks, Fahrenbrook, College, E Johnson, Nelson, Odana

PLEASANT VIEW ROAD - PHASE 1

Project Description

§ This project is for reconstructing Pleasant View Road from US-14 to Old Sauk Road. The goal of this project is to expand the existing roadway and improve the pavement quality. The current pavement rating is 5 of 10. The project's scope includes construction of a four lane roadway ,with bike lanes and sidewalks to replace the existing two lane roadway, and improvements to the corresponding sewer infrastructure. Funding in 2021 is for land acquisition; funding in 2023 is for construction. Federal funding for this project is secured.

Total Budget

6,179,014

Prior Appropriation

3,489,014

	2021	2022	2023	2024	2025	2026
Borrowing	250,000		2,365,000			
Other			75,000			
TOTAL	250,000		2,440,000			

Project Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

RAILROAD CROSSINGS & QUIET ZONES

Program Description

- § This program is for repairing railroad crossings and installing infrastructure for railroad quiet zones. The goal of this program is to provide safe railroad crossings and improve the quality of the neighborhoods adjacent to railroads. The City may create a quiet zone through an application process, which requires funding upgrades and equipment at the designated crossing. The proposed annual funding is for maintenance of existing quiet zones.
an Isthmus Quiet Zone supported by TID 36.

	2021	2022	2023	2024	2025	2026
Borrowing	25,000	25,000	25,000	25,000	25,000	25,000
Other		1,350,000				
TOTAL	25,000	1,375,000	25,000	25,000	25,000	25,000

Program Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Does not meet a strategy.

2021 Planned Projects

- § No planned projects for 2021

RECONSTRUCTION STREETS

Program Description

§ This program is for replacing deteriorated streets to maintain neighborhood roadways. The goal of this program is to have less than 30% of local streets with a deficient pavement rating of less than 5 of 10. Projects funded include those where a full street replacement is necessary. Projects planned in 2021 include Helena, Russell, Jenifer, Halo, Twilight, Starkweather, Hillcrest, Standish, Alden, Bayview, Davies, Major, Dempsey, Maher, Pontiac, Nokomis, Rosewood, and Boston, as well as \$500,000 for park frontage and supported by .

	2021	2022	2023	2024	2025	2026
Borrowing	12,589,000	10,744,000	13,424,000	11,235,000	11,780,000	13,218,000
Other	5,141,000	5,203,000	5,157,000	4,528,000	4,686,000	5,221,000
TOTAL	17,730,000	15,947,000	18,581,000	15,763,000	16,466,000	18,439,000

Program Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Does not meet a strategy. However the goal of the land use and transportation portion of the comprehensive plan is that Madison will have a safe, efficient and affordable regional transportation system that offers a variety of choices among transportation modes. This project works toward that goal.

2021 Planned Projects

§ Standard Reconstruct: Helena, Russell, Jenifer, Halo, Twilight, Starkweather,

§ Rural to Urban: Hillcrest, Standish, Alden, Pontiac, Nokomis, Rosewood, Bolston, Davies, Major, Dempsey, Maher, Park Frontage in Plats

§ New Street: Bayview

§ Carryover from 2020: Dunning, Jackson, LaFollete, Dean

UNIVERSITY AVE (SHOREWOOD TO UNIVERSITY BAY)

Project Description

§ This project is for reconstructing University Avenue from Shorewood Boulevard to University Bay Drive on the City's west side. The goal of this project is to improve the pavement quality and stormwater network for the surrounding area. The current pavement quality rating is 5 of 10. The project's scope includes street reconstruction, a new pedestrian and bicycle overpass of University Bay Drive for the Campus Drive path, a new sidewalk on the north side of the street, wider terraces to enhance pedestrian safety, and stormwater network improvements. Funding in 2022 is for construction. The project budget assumes federal funding that has been secured.

Total Budget

22,334,000

Prior Appropriation

1,166,000

	2021	2022	2023	2024	2025	2026
Borrowing	200,000	14,338,000				
Other		6,630,000				
TOTAL	200,000	20,968,000				

Project Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

WILSON ST (MLK TO KING)

Project Description

§ This project is for replacing the concrete on Wilson Street from Martin Luther King Jr. Boulevard to King Street. The goal of this project is to improve the pavement rating, which is currently 4 of 10. The project's scope will include concrete replacement, pedestrian and bicycle facilities along Wilson Street, and corresponding sewer and stormwater improvements. Construction is planned for 2024.

Total Budget

2,031,000

Prior Appropriation

	2021	2022	2023	2024	2025	2026
Borrowing				1,561,000		
Other				470,000		
TOTAL				2,031,000		

Project Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

ENGINEERING - OTHER PROJECTS

2021 CAPITAL IMPROVEMENT PLAN

ROBERT PHILLIPS, CITY ENGINEER



SUMMARY

2021 CIP Highlights

Equipment and Vehicle Replacement

Right of Way Landscaping

Waste Oil Collection Sites

Major Changes from 2020

Service Building budget has been moved to Facilities

Right of Way Landscaping – this budget will continue the work begun in 2020 to convert some of the most difficult to maintain medians to low maintenance options such as fescue grasses (1x per year mow), clover mix (1x per year mow) and low growing meadow. All of these options save the Parks Department weekly mowing and the last two provide for pollinator habitat at the same time as being lower maintenance.

AERIAL PHOTO / ORTHOPHOTOS

Program Description

§ This program is for updating the City's GIS base mapping with the aerial photography of existing City lands and adjacent areas where the City may expand. The goal of this program is to provide data and imagery to inform City operations and planning efforts. Funding in this program is used for biennial aerial photography and aerial photos combined with LIDAR contour information. No projects are planned for 2021, the next update is scheduled for 2022.

	2021	2022	2023	2024	2025	2026
Borrowing		28,000		20,000		32,000
Other		42,000		30,000		48,000
TOTAL		70,000		50,000		80,000

Program Priority

- § Citywide Element: Effective Government
- § Strategy: Ensure that new development occurs in locations that can be efficiently served to minimize costs on the community as a whole.

2021 Planned Projects

§ N/A

EQUIPMENT AND VEHICLE REPLACEMENT

Program Description

§ This program is for the purchase of vehicles and equipment utilized by the Landfill, Sewer, and Stormwater Utilities. The goal of this program is to provide the necessary transportation and equipment resources for the services provided by these agencies. Vehicles purchased through this program are used for construction and sewer cleaning, with an emphasis on purchasing electric vehicles. Funding for 2021 is to replace 16 existing pieces of equipment, including construction equipment, sewer cleaning equipment and vehicles, CCTV inspection equipment and vehicles, and electric vehicles.

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

2021 Planned Projects

- § Replace 8 cars and small pick ups with electric vehicles.
- § Replace utility service vehicles (2) , one-ton dumps with plows (2) , vactors (2) , tandem dump with plow (1), and asphalt hot box.

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	1,701,000	1,931,000	2,025,000	2,120,000	2,205,000	2,271,000
TOTAL	1,701,000	1,931,000	2,025,000	2,120,000	2,205,000	2,271,000

RIGHT OF WAY LANDSCAPING & TREES

Program Description

- § This program is for landscaping existing boulevards and rights of way throughout the City. The program's goal is to complete new construction projects and reduce ongoing maintenance in existing medians. Specific projects funded by this program include installing new or replacement trees, planting beds, fencing, and converting mowed medians to lower-maintenance, no-mow areas that require maintenance only once per year. Specific projects for 2021 are not yet identified.

	2021	2022	2023	2024	2025	2026
Borrowing	172,000	175,000	175,000	180,000	187,000	193,000
Other						
TOTAL	172,000	175,000	175,000	180,000	187,000	193,000

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Improve and preserve urban biodiversity through an interconnected greenway and habitat system.

2021 Planned Projects

- § We have a list of medians (East and West) that we plan to convert to low maintenance grass (1x per year), Clover and Meadow Mix. This list of medians expands the work that was begun in 2020.

WARNING SIRENS

Program Description

- This program is to upgrade and expand the City's emergency warning sirens. The goal of this program is to maintain the alert system provided by the network of warning sirens. Funding is for adding additional sirens to support the growing City's needs and newly developed areas. The location of new sirens will be determined in conjunction with Dane County Emergency Management. No projects are planned in 2021.

	2021	2022	2023	2024	2025	2026
Borrowing		60,000		30,000		60,000
Other						
TOTAL		60,000		30,000		60,000

Program Priority

- Citywide Element: Effective Government
- Strategy: Improve accessibility to government agencies and services.

2021 Planned Projects

- N/A

WASTE OIL COLLECTION SITES

Program Description

§ This program is for replacing the City's four waste oil collection sites. The goal of this program is to maintain compliance and isolate any illicit dumping of polychlorinated biphenyl (PCB) contaminated waste oil. Projects funded in this program include new and replacement collection sites. Funding in 2021 is for reconstruction and reinstatement of the collection site at Glenway staffing costs to support related operational work. This funding is already included in the operating budget.

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	125,000		135,000			
TOTAL	125,000		135,000			

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Improve lake and stream water quality.

2021 Planned Projects

- § Reinstatement of the waste oil collection center at Glenway Golf Course

ENGINEERING - BICYCLE AND PEDESTRIAN 2021 CAPITAL IMPROVEMENT PLAN

ROBERT PHILLIPS, CITY ENGINEER



SUMMARY

2021 CIP Highlights

Garver Path – Cap City Trail to Milwaukee St

Sidewalk Program

Major Changes from 2020

Cannonball Path – Advanced to 2022

West Towne Path Ph 3 – Awarded Federal TAP funds – construction in 2023

Main St Improvements – Awarded Federal TAP funds – construction in 2024

BIKEWAYS PROGRAM

Program Description

- § This program is for bicycle-related improvements and path resurfacing throughout the City. The goal of this program is to improve the pavement quality of the existing bike paths to meet City standards. Projects within this program are prioritized based on pavement quality rating of existing bikeways. Funding in 2021 is for Southwest Path resurfacing. Ongoing operating costs associated with projects in this program are estimated at \$1,300 for maintenance.

	2021	2022	2023	2024	2025	2026
Borrowing	650,000	650,000	650,000	650,000	680,000	714,000
Other						
TOTAL	650,000	650,000	650,000	650,000	680,000	714,000

Program Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

2021 Planned Projects

- § SW Path resurfacing
- § Demetral Extensions at First, Third St

CANNONBALL PATH

Project Description

§ This project extends the Cannonball Trail from Fish Hatchery Road to Wingra Path. The goal of this project is to improve neighborhood connectivity by connecting the Wingra and Cannonball paths. The project's scope includes a 0.6 mile extension of the path that is parallel to the railroad tracks and runs behind Bowman Field and construction of a new ped/bike overpass of Wingra Creek. Design and land acquisition will occur in 2021 and construction will take place in 2022. Planning for this project will be funded by incremental revenue from TID 42, while construction will be funded from borrowing in TID 42.

Total Budget

1,150,000

Prior Appropriation

	2021	2022	2023	2024	2025	2026
Borrowing		1,000,000				
Other	150,000					
TOTAL	150,000	1,000,000				

Project Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

GARVER PATH

Project Description

- This project is for a new path connecting to the Capital City Trail on the City's east side. The goals of this project are to increase bike and pedestrian mobility on the City's east side and to provide a connection to surrounding neighborhoods. The project's scope includes 0.5 miles of new path, two bridges over Starkweather Creek (one replacement and one new bridge) and one new bridge over wetlands in OB Sherry Park. Funding in 2021 is for path construction, and matching federal funds for the project are currently secured. Ongoing operating costs are anticipated at \$7,500.

Total Budget

2,250,000

Prior Appropriation

550,000

	2021	2022	2023	2024	2025	2026
Borrowing	850,000					
Other	850,000					
TOTAL	1,700,000					

Project Priority

- Citywide Element: Land Use and Transportation
- Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

MAIN STREET IMPROVEMENTS

Project Description

§ This project funds the design and construction of a bike boulevard on West Main Street on the City's isthmus. The goal of this project is to increase bike and pedestrian mobility and improve connectivity to the surrounding neighborhoods. The project's scope includes a bike boulevard on West Main Street from Proudfit to Fairchild. Funding in 2022 is for design and construction is planned for 2024 with Federal Transportation Alternatives Program funding secured for the project.

Total Budget

220,000

Prior Appropriation

	2021	2022	2023	2024	2025	2026
Borrowing		20,000		89,000		
Other				111,000		
TOTAL		20,000		200,000		

Project Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

OLD MIDDLETON UNDERPASS

Project Description

§ This project is for replacing a pedestrian and bicycle railroad underpass located west of the Old Middleton Road and Whitney Way intersection. The goal of the project is to improve pedestrian and bicycle access for the neighborhood. The project's scope includes constructing a new pedestrian and bike underpass underneath the railroad just west of Whitney Way. Construction is planned for 2022. Funding for the project is from borrowing in TID 41.

Total Budget

1,570,000

Prior Appropriation

70,000

	2021	2022	2023	2024	2025	2026
Borrowing		1,500,000				
Other						
TOTAL		1,500,000				

Project Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

PED/BIKE ENHANCEMENT

Program Description

- § This program is for installing bike boulevards and other pedestrian and bike enhancements throughout the City. The goal of the program is to increase safety and convenience for cyclists and pedestrians and increase the mode share for non-determined by requests throughout the year by residents, businesses, alders and staff. Requests are then ranked by a number of criteria including safety, traffic operations, and equity. Projects for 2021 will be identified by requests from City residents, Alders, staff, and the Transportation Commission.

Program Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

2021 Planned Projects

- § Projects are requested by Residents, Alders and Staff and are approved by Transportation Commission

	2021	2022	2023	2024	2025	2026
Borrowing	243,000	243,000	243,000	243,000	253,000	266,000
Other						
TOTAL	243,000	243,000	243,000	243,000	253,000	266,000

SAFE ROUTES GRANTS

Program Description

§ This program is a grant program for property owners to provide 50% of an owner's sidewalk assessment for new installations. The goal of the program is to assist residents with assessment funding for newly constructed sidewalks. The project's scope includes projects that install sidewalk adjacent to an existing street where the right of way was annexed prior to 1981 or where the properties were developed prior to being annexed to the City. The project must also be located in an area where the frontage is at least 70% single family or two family dwelling units. There is \$100,000 allocated for 2021 projects citywide.

	2021	2022	2023	2024	2025	2026
Borrowing	100,000	100,000	100,000	100,000	104,000	109,000
Other						
TOTAL	100,000	100,000	100,000	100,000	104,000	109,000

Program Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

2021 Planned Projects

- § Street reconstructs as requested

SAFE ROUTES TO SCHOOL

Program Description

§ This program is for pedestrian safety infrastructure surrounding school zones. The goal of this project is to decrease conflict between bicyclists, pedestrians, and motor vehicles. Projects funded by this program include infrastructure for pedestrian crossings, walkways, trails, and bikeways to promote walking and biking to school. Planned projects for 2021 include signing, marking, signal, lighting, and other improvements focused on making it easier for children walking and biking to school.

	2021	2022	2023	2024	2025	2026
Borrowing	100,000	100,000	100,000	100,000	104,000	109,000
Other						
TOTAL	100,000	100,000	100,000	100,000	104,000	109,000

Program Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

2021 Planned Projects

- § Projects are requested by Residents, Alders and Staff and are approved by Transportation Commission

SIDEWALK PROGRAM

Program Description

§ This program is for repairs to defective sidewalks and new sidewalk installation. The goal of this program is to provide consistent maintenance of sidewalks for safe conditions and reduced chance of injury. Each year the Sidewalk Program repairs sidewalks in two or three Aldermanic Districts on a 10-year replacement cycle. Planned projects in 2021 include sidewalk improvements for Aldermanic District's 13 and 14. This program also includes repairing and replacing the City's tree grates, as well as small infill sidewalk projects where gaps exist in the sidewalk network.

	2021	2022	2023	2024	2025	2026
Borrowing	2,115,000	2,215,000	2,315,000	2,326,000	2,419,000	2,540,000
Other	1,085,000	1,140,000	1,200,000	1,260,000	1,310,000	1,376,000
TOTAL	3,200,000	3,355,000	3,515,000	3,586,000	3,729,000	3,916,000

Program Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

2021 Planned Projects

- § District 13 Evers, District 14 Carter
- § Walter, Council Crest, Odana, Harvey, Hill, Nakoma, Seminole, Portage, Busse, Tompkins, Royster, Johns, Judd, Farrell

TROY DRIVE UNDERPASS

Project Description

§ This project is for replacing an existing sidewalk underpass at Troy Drive on the City's north side. The goal of the project is to expand the size of the current walkway to improve pedestrian safety. The project's scope includes constructing a new pedestrian and bike underpass underneath the railroad along the north side of Troy Drive. Funding in 2024 is for project construction. Federal funds for this project are not yet secured.

Total Budget

1,570,000

Prior Appropriation

70,000

	2021	2022	2023	2024	2025	2026
Borrowing				750,000		
Other				750,000		
TOTAL				1,500,000		

Project Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

WEST TOWNE PATH - PHASE 3

Project Description

§ This project funds the design and construction of a protected, multi-use path along Plaza Drive and Watts Road on the City's west side. The goal of the project is to increase bike and pedestrian mobility and improve connectivity to the surrounding neighborhoods. This project will complete the West Towne Path from Commerce Drive to S. Junction Road. Funding in 2023 is for construction, the anticipated federal funding is secured through the Federal

operating costs are \$4,000 for maintenance.

Total Budget

770,000

Prior Appropriation

200,000

	2021	2022	2023	2024	2025	2026
Borrowing			218,000			
Other			352,000			
TOTAL			570,000			

Project Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Expand and improve the city's pedestrian and bicycle networks to enable safe and convenient active transportation.

FINANCE DEPARTMENT 2021 CAPITAL IMPROVEMENT PLAN

DAVID SCHMIEDICKE, FINANCE DIRECTOR



SUMMARY

2021 CIP Highlights

The Cost Allocation study is updated annually and future budget amounts will be updated each year based on the current plan.

Major Changes from 2020

Capital Budget Administration program budget decreased by \$180,000 over the full CIP

CAPITAL BUDGET ADMINISTRATION

Program Description

§ This program is for costs associated with administering and overseeing the City's capital budget and Capital Improvement Plan. The costs are primarily staffing costs from the Finance Department for time spent building the capital budget and administering the budget. The proposed amount is based on results from the Cost Allocation study that was completed in the Summer of 2020.

	2021	2022	2023	2024	2025	2026
Borrowing	370,000	370,000	370,000	370,000	370,000	370,000
Other	-	-	-	-	-	-
TOTAL	\$370,000	\$370,000	\$370,000	\$370,000	\$370,000	\$370,000

Program Priority

- § Citywide Element: Effective Government
- § Strategy: Ensure that the City of Madison government is transparent and accountable

MADISON FIRE DEPARTMENT 2021 CAPITAL IMPROVEMENT PLAN

STEVE DAVIS, FIRE CHIEF



SUMMARY

2021 CIP Highlights

Continued funding for Fire Equipment and Communications Equipment

Major Changes from 2020

Fire Station 6 Remodel (\$3.465m) added to CIP from the Horizon List for design in 2023 and construction in 2024.

Fire Building Improvements (\$70k) funding moved to Engineering-Facilities.

Environmental Burn Tower (\$1.9m) removed from the Horizon List, requested construction in 2024.

FIRE EQUIPMENT

Project Description

This project is for the purchase and replacement of safety, rescue, and other operational equipment utilized by the Fire Department.

Program Priority 1

- § Citywide Element: Effective Government
- § Strategy: Improve accessibility to government agencies and services

2021 Planned Projects

- § Fire hose replacements (\$40k)
- § Turnout gear (\$308k)
- § Fire Gear Extractor/Dryers at three Fire Stations (\$60k)
- § Various Fire Equipment Replacements (\$52k)

	2021	2022	2023	2024	2025	2026
Borrowing	725,000	500,000	900,000	810,000	520,000	525,000
Other	0	0	0	0	0	0
TOTAL	\$725,000	\$500,000	\$900,000	\$810,000	\$520,000	\$525,000

Funding for patient monitors was moved from 2022 (\$675k) to 2021 (\$225k), 2023 (\$300k), and 2024 (\$150k)

COMMUNICATIONS EQUIPMENT

Project Description

This project funds the upgrade of communications equipment and accessories, resulting from the upgrade to the City-wide communications system.

Program Priority 2

- § Citywide Element: Effective Government
- § Strategy: Improve accessibility to government agencies and services

2021 Planned Projects

Portable radio replacements (30 at \$5k each)

	2021	2022	2023	2024	2025	2026
Borrowing	150,000	300,000	300,000	165,000	175,000	185,000
Other	0	0	0	0	0	0
TOTAL	\$150,000	\$300,000	\$300,000	\$165,000	\$175,000	\$185,000

FIRE STATION 6 REMODEL

Project Description

§ Remodel Fire Station 6 – 825 W Badger Rd to accommodate increased response capacity in preparation of the Town of Madison annexation. Upgraded facilities are needed to provide accommodations for a diverse workforce. The remodel will also incorporate operational and technological updates including mechanical upgrades and a redesign of living space for fire personnel to include gender neutral facilities and accommodate social distancing practices.

Project Priority 3

- § Citywide Element: Effective Government
- § Strategy: Locate community facilities to provide a high level of service to all neighborhoods

Total Budget

\$3,465,000

Prior Appropriation

\$3,465,000

	2021	2022	2023	2024	2025	2026
Borrowing	0	0	525,000	2,940,000	0	0
Other	0	0	0	0	0	0
TOTAL	\$0	\$0	\$525,000	\$2,940,000	\$0	\$0

FLEET SERVICE 2021 CAPITAL IMPROVEMENT PLAN

MAHANTH JOISHY, SUPERINTENDENT



SUMMARY

2021 CIP Highlights

Added a project in 2021 to install GPS on all Fleet equipment (\$460k)

Major Changes from 2020

Fire Apparatus / Rescue Vehicle program budget reduced by \$825k over the CIP

Fleet Equipment Replacement program budget reduced by \$1.3m over the CIP

FLEET GPS SYSTEM

Project Description

- § Purchase and install a GPS system in all City vehicles to provide both operational efficiencies and vehicle safety improvements

Project Priority

- § Citywide Element: Healthy and Safe
- § Strategy: Reduce collisions, injuries, and fatalities on the roadways involving pedestrians, bicyclists, and motor vehicle operators, and eliminate unnecessary idling for environmental sustainability

Total Budget

460,000

Prior Appropriation

0

	2021	2022	2023	2024	2025	2026
Borrowing	460,000	-	-	-	-	-
Other	-	-	-	-	-	-
TOTAL	460,000	-	-	-	-	-

FIRE APPARATUS / RESCUE VEHICLES

Program Description

- § Replacing existing fire apparatus and rescue vehicles that have reached their useful life

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy

2021 Planned Projects

- § Piece of aerial fire apparatus, an engine, and a HAZMAT trailer
- § Two ambulances (remount only)
- § Various cars including electric vehicles

	2021	2022	2023	2024	2025	2026
Borrowing	3,545,000	3,010,000	3,035,000	3,085,000	2,000,000	2,920,000
Other	-	-	-	-	-	-
TOTAL	3,545,000	3,010,000	3,035,000	3,085,000	2,000,000	2,920,000

FLEET EQUIPMENT REPLACEMENT

Program Description

- § Replace equipment assets within their useful life to ensure City staff have access to safe, reliable vehicles when providing City services

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy

2021 Planned Projects

- § Replace 140 pieces of equipment
- § Equipment includes sedans, trucks, refuse equipment, heavy machinery, mowers, tractors, trailers, and tree service equipment

	2021	2022	2023	2024	2025	2026
Borrowing	8,250,000	5,950,000	6,150,000	6,110,000	6,590,000	7,300,000
Other	-	2,100,000	2,100,000	2,160,000	2,160,000	2,200,000
TOTAL	8,250,000	8,050,000	8,250,000	8,270,000	8,750,000	9,500,000

HENRY VILAS ZOO

2021 CAPITAL IMPROVEMENT PLAN



SUMMARY

2021 CIP Highlights

Under the current agreement, Zoo operating costs are split between Dane County and the City of Madison on a 80:20 ratio, while capital costs are shared on a voluntary basis.

Major Changes from 2020

No major changes

INFORMATION TECHNOLOGY 2021 CAPITAL IMPROVEMENT PLAN

SARAH EDGERTON – INFORMATION TECHNOLOGY DIRECTOR

Information Technology provides the technology backbone that empowers and supports City of Madison agencies in serving our residents.



SUMMARY

2021 CIP Highlights

Focus of Capital requests are mainly on End-of-Life hardware and software replacements

Transform to M365 and create a digital workplace that grows and adapts to meet the needs of our employees'

Delay the Property Assessment System project to 2022 Capital Budget projects

Major Changes from 2020

Due to decreased staff resources and budget freezes, we have paused the following projects:

- Fiber Build to Fire Station 12 (Budget)

- Learning Management System (Budget and Staffing)

- Legislative Management System (Budget and Staffing)

- Property Assessment System (Budget and Staffing)

We extended workstation warranties from three years to four years, allowing us to extend our workstation fleet lifecycle for another year. By only replacing one-third of our workstation fleet in 2020 we are realizing cost savings and minimizing staff interactions during the pandemic.

- § Workstation Replacements (Budget and Staffing)

PRIORITY METHODOLOGY

Using Gartner's three key IT components (run, grow and transform) to develop the IT Capital budget, we were able to prioritize our 2021 budget requests.

RUN: We are ensuring that technology is renewed in line with both industry and operational standards.

GROW: We are introducing new capabilities or improving existing ones to increase efficiencies and improve business processes.

TRANSFORM: We are researching, purchasing and developing technologies that will make fundamental changes to City business processes and provide opportunities for transformation.

PRIORITY #1 (RUN): NETWORK AND OPERATIONS INFRASTRUCTURE

Program Description: Rebuild of the City's aging information technology infrastructure.

Citywide Element: Effective Government

Strategy: Ensure that the City of Madison government is transparent and accountable.

2021 Planned Projects

End of life systems replacements: \$550,000

10 GB Nexus Switch Connections: \$50,000

Hosts for Additional Virtual Environment Capacity: \$240,000

(Total: \$840,000)

	2021	2022	2023	2024	2025	2026
Borrowing	1,000,000	590,000	660,000	660,000	660,000	660,000
Other						
TOTAL	\$1,000,000	\$590,000	\$660,000	\$660,000	\$660,000	\$660,000



PRIORITY #2 (RUN): SECURITY, RISK AND COMPLIANCE

Program Description: Continue to invest in cybersecurity measures that protect the City's critical assets.

Citywide Element: Effective Government

Strategy: Ensure the City of Madison government is transparent and accountable.

2021 Planned Projects

Security Vulnerability Assessment: \$50,000

DNS/DHCP Project: \$125,000

Network Security Services (Architecture Consulting): \$30,000

Identity Access Management (Architecture Consulting): \$20,000

(Total: \$225,000)

	2021	2022	2023	2024	2025	2026
Borrowing	325,000	250,000	350,000	350,000	350,000	350,000
Other						
TOTAL	\$325,000	\$250,000	\$350,000	\$350,000	\$350,000	\$350,000

External Email Banner

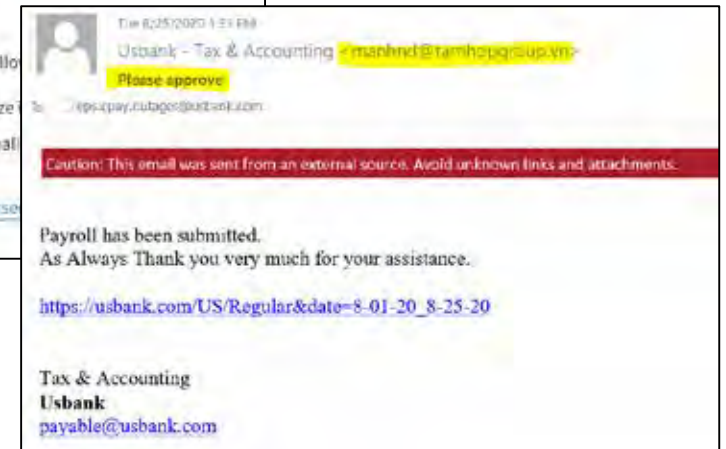
An external email banner is applied to all emails that are sent from external, non-City of Madison email addresses. This red banner will help City staff identify potentially malicious emails, links and attachments. The banner displays as shown in the screenshot below:

Caution: This email was sent from an external source. Avoid unknown links and attachments.

What to Do if You See this Banner

If the red external email banner appears on an email message in your inbox, follow these steps:

1. Verify the email sender. Review the sender's email address, do you recognize it?
2. Hover over links and attachments before clicking. Review the potentially malicious links by hovering with your mouse to verify the link.
3. If the email seems suspicious or you are unsure, forward the email to [cybersecurity@cityofmadison.com](#). Our Cybersecurity Team will review the message.



PRIORITY #3 (TRANSFORM): MICROSOFT 365

Project Description: Implement a Microsoft Office 365 subscription, which includes Microsoft Exchange Email online, Microsoft SharePoint, Microsoft Teams, Data Loss Prevention and Rights Management and Microsoft Advanced Threat Protection.

Citywide Element: Effective Government

Strategy: Ensure that the City of Madison government is transparent and accountable.

2021 Planned Expenditures

M365 Licenses: \$1,200,000

Professional Services: \$200,000

(Total: \$1,300,000)

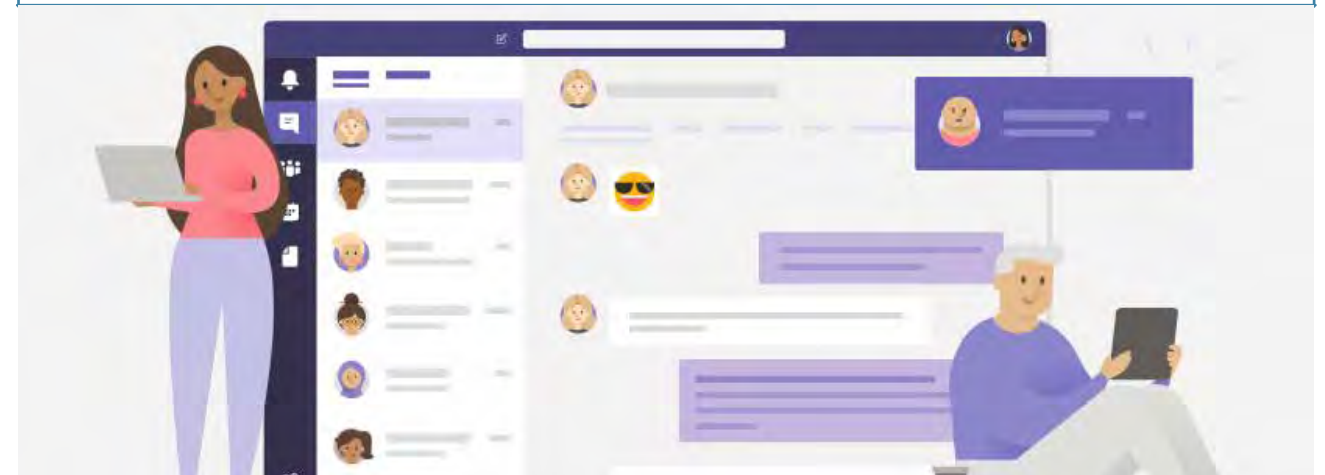
Total Budget

\$1,550,000

Prior Appropriation

\$0

	2021	2022	2023	2024	2025	2026
Borrowing	\$1,300,000	\$250,000				
Other						
TOTAL	\$1,300,000	\$250,000				



PRIORITY #3 (TRANSFORM): MICROSOFT 365



Our work environments are constantly evolving. By embracing innovative technologies such as Microsoft 365, we will create a strong and agile digital workplace that supports a framework for continual improvement of processes, tools, and operational efficiencies to meet our employees' needs. Our goal is to create a digital workplace that grows and adapts with the needs of our workforce in a connected, collaborative and sustainable way.

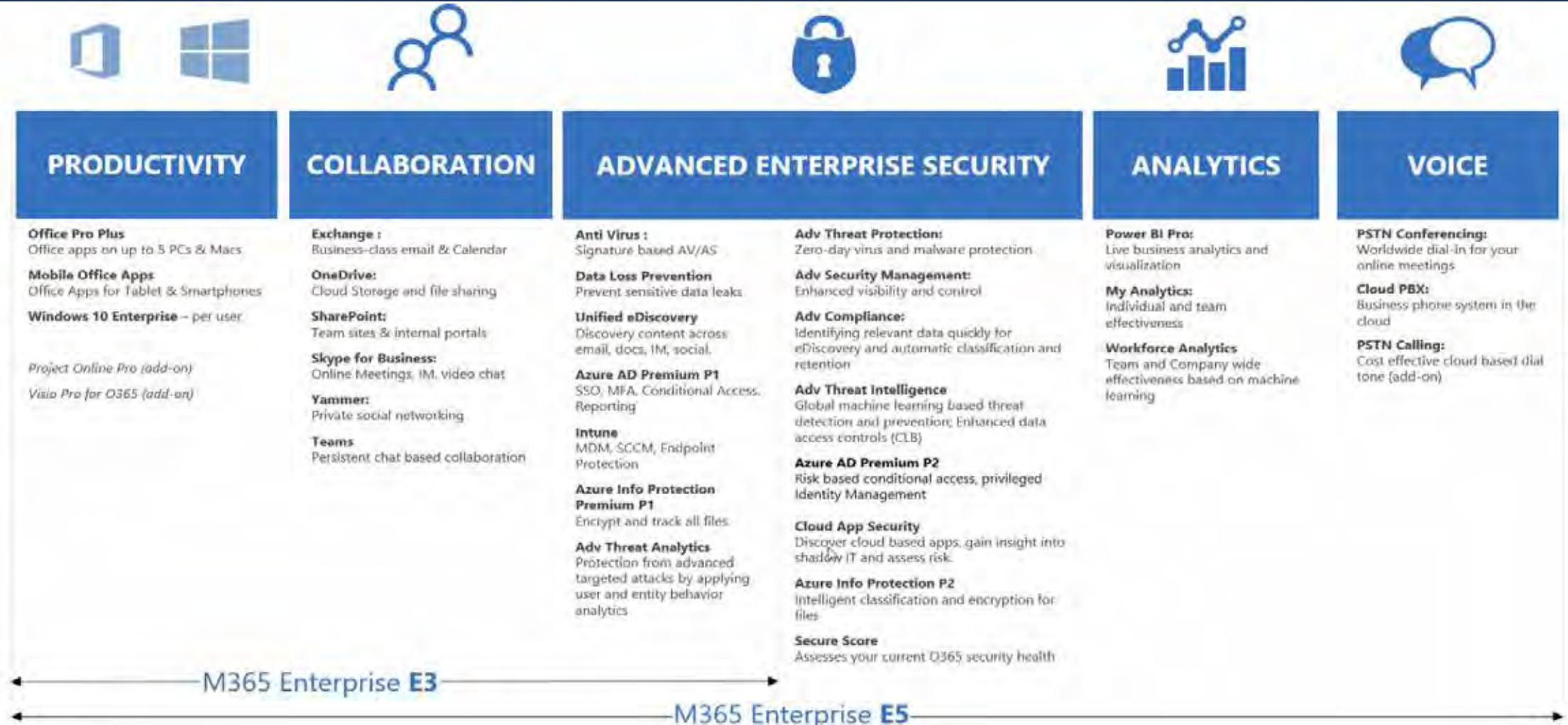
PRIORITY #3 (TRANSFORM): MICROSOFT 365

When?



We know that this is the right time to make the transition from an on premise deployment of Microsoft tools to a subscription-based, cloud-supported suite known as Microsoft 365. From a cost perspective, we have determined that it will cost less than what we spend currently for our on premise solution than to invest in a subscription-based, cloud-supported infrastructure which will provide much needed features and tools that are not available on premise.

PRIORITY #3 (TRANSFORM): MICROSOFT 365



Microsoft 365 Licensing Capital cost vs. Current Annual Licensing Operating Cost for Microsoft and Collaboration Tools

Microsoft 365

Total: \$1,010,000

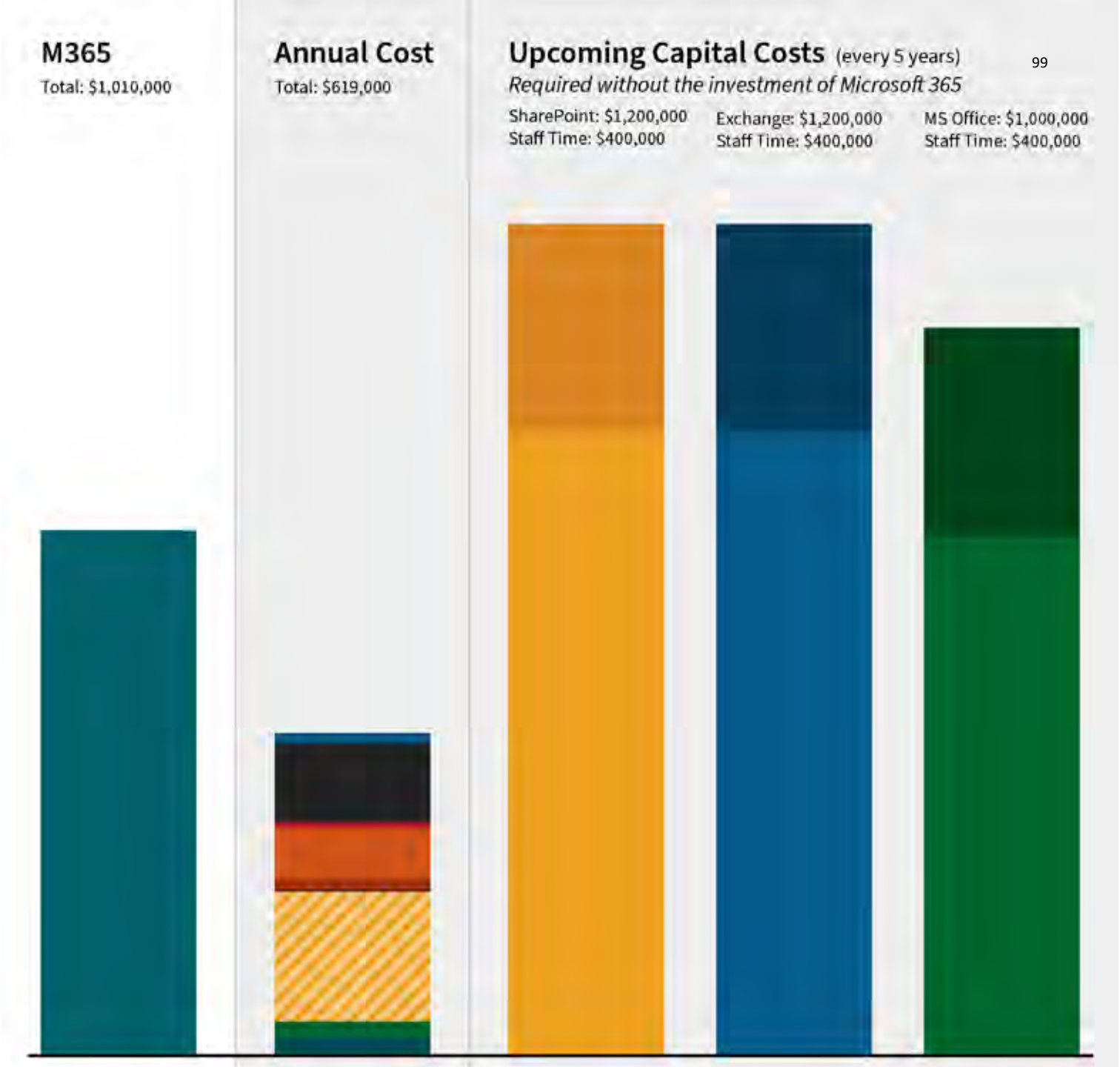


Current Annual Operating Cost

Total: \$619,000



Microsoft Annual Operating Cost vs. Upcoming Capital Costs (Required without the investment of M365)



Microsoft 365 vs. Total Annualized Costs without Microsoft 365

Microsoft 365

Total: \$1,010,000

Meet the wants and needs of City staff for remote work

Many additional services

Available anywhere via internet

99.9% uptime SLA

Improved infrastructure

Continual upgrades

Sustainable maintenance cycles

Unlimited email retention

Enhanced cybersecurity

Knowledge base and 24/7 support

Total Annualized Costs

without Microsoft 365

Total: \$1,289,000

Disjointed service package

Requires secure connection to City network (VPN)

Staff time troubleshooting

Staff time implementing systems

Skype for Business is EOL, with no replacement outside of M365



Approximate annualized capital costs
* does not include interest

PRIORITY #4 (GROW): FIBER AND WIRELESS NETWORK

Program Description: Improve service delivery through interconnectivity and redundancy to City facilities by expanding our fiber optic infrastructure.

Citywide Element: Effective Government

Strategy: Improve accessibility to government agencies and services.

2021 Planned Projects

§ **Fiber Redundancy:** A fundamental aspect of the City's infrastructure is to build redundancy and expand fiber to connect all City sites and assets: \$400,000

Fire Station 12: This path will be a redundant path to Fire Station 12 and will be able to support the future expansion of Streets Far West Facility.

Patterson Build (from East Washington Ave to Williamson St and Williamson St to John Nolan): A proactive build to create an alternative fiber path in anticipation of the Blair St reconstruction project.

Fiber Audit: \$98,000

Fiber Maintenance: \$20,000

(Total: \$530,000)

	2021	2022	2023	2024	2025	2026
Borrowing	610,000	580,000	480,000	480,000	480,000	480,000
Other						
TOTAL	\$610,000	\$580,000	\$480,000	\$480,000	\$480,000	\$480,000



PRIORITY #5 (RUN): DIGITAL ACCESSIBILITY AND ENGAGEMENT

Program Description: Support the development of digital government services to be effectively designed to reach community members and improve how residents interact with government.

Citywide Element: Effective Government

Strategy: Improve accessibility to government agencies and services.

2021 Planned Projects

City Website Infrastructure End-of-Life Replacement: \$210,000

End-of-Life Hardware Replacements: Mediasite Mobile Recorder and Studio Cameras and Master Control Clock: \$93,000

(Total: \$305,000)

	2021	2022	2023	2024	2025	2026
Borrowing	305,000	405,000	120,000	185,000	200,000	225,000
Other						
TOTAL	\$305,000	\$405,000	\$120,000	\$185,000	\$200,000	\$225,000



PRIORITY #6 (RUN): DATABASE INFRASTRUCTURE

Program Description: Provide the lifecycle management of the City's database infrastructure hardware, software, licensing, upgrades, and tools.

Citywide Element: Effective Government

Strategy: Improve accessibility to government agencies and services.

2021 Planned Projects

Database Infrastructure Management:
\$50,000

	2021	2022	2023	2024	2025	2026
Borrowing	50,000	325,000	75,000	75,000	75,000	75,000
Other						
TOTAL	\$50,000	\$325,000	\$75,000	\$75,000	\$75,000	\$75,000

SQL Server Reporting Services

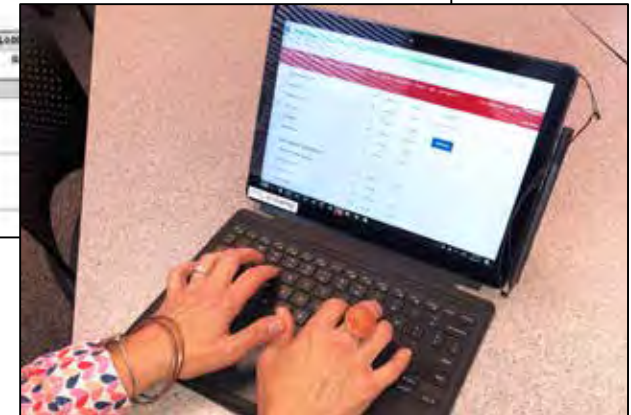
★ Favorites □ Browser

Home > Reports > RegistrantsReport-PublicMeetings

Microsoft SQL Server Reporting Services - 08/26/2020 4:20 PM - Common Council Executive Committee

Public Comment Registrants Report

Agenda Item Name	Support	Speaking	Representing Organization	Y/N	Name(s)	Paid	Duties	...
AGENDA ITEM: 8 Alder Workgroup Final Report Citizen Oversight								
8/18/23/20 09:28 PM	Support	Yes, I want to speak						
8/18/24/20 03:24 PM	Support	Yes, I want to speak						
8/19/25/20	Support	Yes, I want to speak						



PRIORITY #7 (GROW): ENTERPRISE BUSINESS SOLUTIONS

Program Description: Support migrating paper-based processes to digital processes and aligning enterprise systems to create shared services and provide more opportunities for online services.

Citywide Element: Effective Government

Strategy: Ensure all Neighborhoods are clean and safe through the provision of quality non-emergency services.

2021 Planned Projects

Tax System Conversion: \$20,000

Enterprise Business Solutions Services: \$20,000

SharePoint Online Conversion Professional Services: \$300,000

(Total: \$350,000)

	2021	2022	2023	2024	2025	2026
Borrowing	350,000	125,000	125,000	125,000	125,000	150,000
Other						
TOTAL	\$350,000	\$125,000	\$125,000	\$125,000	\$125,000	\$150,000



PRIORITY #8 (RUN): WORKSTATION EQUIPMENT LIFECYCLE MANAGEMENT

Program Description: Replace desktops, laptops, tablets and monitors. We extended workstation warranties from three years to four years, allowing us to extend our workstation fleet lifecycle for another year. By only replacing one-third of our workstation fleet in 2020 we are realizing cost savings and minimizing staff interactions during the pandemic.

Citywide Element: Effective Government

Strategy: Ensure that the City of Madison government is transparent and accountable.

2021 Planned Projects

§ Replacement of Desktops, Laptops, Tablets, Rugged Devices, Monitors and Phones: \$450,000

	2021	2022	2023	2024	2025	2026
Borrowing	540,000	990,000	1,010,000	1,010,000	990,000	990,000
Other						
TOTAL	\$540,000	\$990,000	\$1,010,000	\$1,010,000	\$990,000	\$990,000



PRIORITY #9 (TRANSFORM): PROPERTY ASSESSMENT SYSTEM (2022 PROJECT)

Project Description: Replace an aging property assessment system by purchasing a new system for administration of property assessment functions, specifically property data management, sales analysis, and property valuation.

Citywide Element: Effective Government

Strategy: Improve Accessibility to Government Agencies and Services.

Property Assessment System: \$600,000

Total Budget

\$938,779

Prior Appropriation

\$338,779

	2021	2022	2023	2024	2025	2026
Borrowing		\$600,000				
Other						
TOTAL		\$600,000				



THE IT TEAM WHO BUILT THE 2021 CAPITAL IMPROVEMENT PLAN



MADISON PUBLIC LIBRARY 2021 CAPITAL IMPROVEMENT PLAN

GREG MICKELLS



SUMMARY

2021 CIP Highlights

Reindahl Imagination Center/Library

Project moved from 2021-2022 to 2023-2024.

Project budget decreased \$0.5m from \$16.6m to \$16.1m for design costs based on work completed to date.

Major Changes from 2020

Central Library Improvements

Project phased changed from 50/50 in 2022 and 2023 to design in 2022 (\$100,000) and construction in 2023 (\$900,000).

Library Service and Support Center Siding

Project added to CIP in 2021 (\$300,000).

Neighborhood LED Upgrade

Project advanced from 2022 to 2021.

NEIGHBORHOOD LIBRARY LED UPGRADE

Project Description

§ Lighting conversion at all neighborhood libraries to LED in order to reduce energy consumption.

Project Priority

§ Citywide Element: Green and Resilient

§ Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

Total Budget

\$675,000

Prior Appropriation

\$337,500

	2021	2022	2023	2024	2025	2026
Borrowing	\$337,500					
Other						
TOTAL	\$337,500	\$0	\$0	\$0	\$0	\$0

CENTRAL LIBRARY IMPROVEMENTS

Project Description

§ Facility improvements at Central Library to address maintenance needs and space use improvement opportunities after ten years of use since the last major renovation.

Project Priority

§ Citywide Element: Culture and Character

§ Strategy: Create safe and affirming community spaces that bring people together and provide social outlets for underrepresented groups.

Total Budget

\$1,000,000

Prior Appropriation

\$0

	2021	2022	2023	2024	2025	2026
Borrowing		\$100,000	\$900,000			
Other						
TOTAL	\$0	\$100,000	\$900,000	\$0	\$0	\$0

10 PLUS YEAR FLOORING REPLACEMENT

Project Description

§ Replacement of flooring at the Alicia Ashman (2024), Hawthorne (2024), and Sequoya Libraries (2025).

Project Priority

§ Citywide Element: Culture and Character

§ Strategy: Does not meet a strategy.

Total Budget	\$350,000					
Prior Appropriation	\$0					
	2021	2022	2023	2024	2025	2026
Borrowing				\$175,000	\$175,000	
Other						
TOTAL	\$0	\$0	\$0	\$175,000	\$175,000	\$0

LIBRARY SERVICE AND SUPPORT CENTER SIDING

Project Description

§ Siding installation at the Library Support Center to address leaking and provide protection to the masonry wall against annual freeze/thaw cycles.

Project Priority

§ Citywide Element: Effective Government

§ Strategy: Does not meet a strategy.

Total Budget

\$300,000

Prior Appropriation

\$0

	2021	2022	2023	2024	2025	2026
Borrowing	\$300,000					
Other						
TOTAL	\$300,000	\$0	\$0	\$0	\$0	\$0

TECHNOLOGY UPGRADES

Project Description

- § Technology upgrades at library locations including the installation of digital signage, RFID equipment, A/V upgrades, and VOIP telephones.

Project Priority

- § Citywide Element: Effective Government
- § Strategy: Co-locate community facilities to provide a high level of service to all neighborhoods.

Total Budget

\$387,000

Prior Appropriation

\$100,000

	2021	2022	2023	2024	2025	2026
Borrowing					\$287,000	
Other						
TOTAL	\$0	\$0	\$0	\$0	\$287,000	\$0

REINDAHL IMAGINATION CENTER/LIBRARY

Project Description

- § Design and construction of the Imagination Center at Reindahl Park.

Project Priority

- § Citywide Element: Effective Government
- § Strategy: Co-locate community facilities to provide a high level of service to all neighborhoods.

Total Budget

\$16,600,000

Prior Appropriation

\$500,000

	2021	2022	2023	2024	2025	2026
Borrowing			\$1,100,000	\$15,000,000		
Other						
TOTAL	\$0	\$0	\$1,100,000	\$15,000,000	\$0	\$0

LIBRARY COLLECTION

Program Description

- § This program funds additions and replacements to the library's materials collection in all formats.

Program Priority

- § Citywide Element: Culture and Character
- § Strategy: Create safe and affirming community spaces that bring people together and provide social outlets to underrepresented groups.

2021 Planned Projects

	2021	2022	2023	2024	2025	2026
Borrowing	\$720,000	\$720,000	\$720,000	\$720,000	\$740,000	\$760,000
Other						
TOTAL	\$720,000	\$720,000	\$720,000	\$720,000	\$740,000	\$760,000

LIBRARY MAJOR REPAIR/REPLACEMENT

Program Description

- § This program funds repair and maintenance needs at the nine library locations and the Library Support Center.

Program Priority

- § Citywide Element: Culture and Character
- § Strategy: Create safe and affirming community spaces that bring people together and provide social outlets to underrepresented groups.

2021 Planned Projects

- § Painting at Alicia Ashman, Lakeview, and Sequoya libraries. Replacement of DX Cooling Unit Fan/Compressor at Goodman South Madison and Sequoya libraries.

	2021	2022	2023	2024	2025	2026
Borrowing	\$140,000	\$150,000	\$150,000	\$160,000	\$166,000	\$174,000
Other						
TOTAL	\$140,000	\$150,000	\$150,000	\$160,000	\$166,000	\$174,000

METRO 2021 CAPITAL IMPROVEMENT PLAN

JUSTIN STUEHRENBURG, TRANSIT GENERAL MANAGER



SUMMARY

2021 CIP Highlights

Continued renovation of 1101 E. Washington with 2021 construction on maintenance/mechanics workspace

Contract for an updated comprehensive transit technology system

Major Changes from 2020

Metro Satellite Bus Facility project was moved to the Bus Rapid Transit (BRT) project within Transportation

Diesel Transit Coach 2021 to 2024 Program funding moved to Transportation BRT project budget to purchase BRT buses

Facilities Repair and Improvement work at 1101 E. Washington and transfer point concrete work will not occur in 2022 but will resume in 2023

Transit Technology System project separated from the Transit System Upgrades program and budget increased by approximately \$6m based on cost estimates from peer agency projects

TRANSIT TECHNOLOGY SYSTEM

Project Description

- § Purchase updated technological components used for real-time fleet telematics communications, and ridership data. This includes on-bus systems such as dispatch communications, fare collection, and real-time fleet information. The comprehensive system will also include related systems and software to store data and improve areas such as scheduling and fleet maintenance. This project along with \$4M budget was separated from the transit upgrades program.

Project Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: The goal is to integrate all bus hardware and software into a comprehensive transit technology system.

2021 Planned Projects

- § Contract for major system conversion

Total Budget

\$10,000,000

Prior Appropriation

\$0

	2021	2022	2023	2024	2025	2026
Borrowing	\$10,000,000					
Other						
TOTAL	\$10,000,000					

TRANSIT SYSTEM UPGRADES

Program Description

- § This program is for equipment and software enhancements.

Program Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: The program's goal is to improve the efficiency of Metro Transit's operations by updating the system tools used for the services provided.

2021 Planned Projects

- § Replacement of two support vehicles

	2021	2022	2023	2024	2025	2026
Borrowing	\$51,000	\$124,000	\$56,000	\$129,000	\$446,000	\$178,000
Other						
TOTAL	\$51,000	\$124,000	\$56,000	\$129,000	\$446,000	\$178,000

FACILITIES REPAIR AND IMPROVEMENT

Program Description

- § This program is for major building repairs and improvements to the existing Metro Transit facility at 1101 East Washington Avenue and the transit system transfer points

	2021	2022	2023	2024	2025	2026
Borrowing	10,805,000		10,540,000	40,000	40,000	40,000
Other						
TOTAL	10,805,000		10,540,000	40,000	40,000	40,000

Program Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: This program's goal is to ensure that the Metro facility remains usable through at least 2040.

2021 Planned Projects

- § Continued renovation at 1101 East Washington Avenue facility with construction on maintenance/mechanics workspace

TRANSIT COACHES (DIESEL)

Program Description

- § Replacement of fixed route transit coaches annually so that an adequate number of safe and reliable vehicles is available for peak service.

Program Priority

- § Citywide Element: Land Use and Transportation
- § Strategy: All transit coaches purchases through this program ensure a replacement fleet that meets both EPA Emissions Standards and Americans with Disabilities Act requirements.

2021 Planned Projects

- § Funding from 2021 to 2024 is shifted to the Transportation budget to acquire buses for the Bus Rapid Transit project.

	2021	2022	2023	2024	2025	2026
Borrowing					\$3,830,455	\$4,114,189
Other					\$4,611,545	\$4,749,811
TOTAL					\$8,442,000	\$8,864,000

MONONA TERRACE COMMUNITY AND CONVENTION CENTER 2021 CAPITAL IMPROVEMENT PLAN

CONNIE THOMPSON, EXECUTIVE DIRECTOR



SUMMARY

2021 CIP Highlights

Major Changes from 2020: Due to the decrease in anticipated Room Tax funding available, Monona Terrace reduced its 2021 Capital budget request from \$830,000 to \$397,500 in this year's request.

Per City Finance, funding for 2021 Capital will be a combination of Room Tax funding (\$217,500) and GO Borrowing (\$180,000).

The 2021 Capital Budget will prioritize equipment replacement, maintaining the overall condition of the building, and purchasing audio/visual equipment to meet the needs of our clients.

BUILDING AND BUILDING IMPROVEMENTS

Program Description: building improvements to increase efficiency, reduce maintenance costs, and improve customer experience at the Monona Terrace

Program Priority

- § Citywide Element: Culture and Character
- § Strategy: Create vibrant and inviting places through creative architecture and urban design

2021 Planned Projects – window replacement, exhibition hall lighting upgrades, re-caulking building seams, and upgrading network storage for client presentations

	2021	2022	2023	2024	2025	2026
Borrowing	180,000	295,000	1,445,000	800,500	275,000	735,000
Other	-	-	-	-	-	-
TOTAL	\$180,000	\$295,000	\$1,445,000	\$800,500	\$275,000	\$735,000

MACHINERY AND OTHER EQUIPMENT

Program Description: replacement of inefficient, high maintenance equipment and purchase of A/V equipment to improve the experience for guests and optimize revenue opportunities

Program Priority

- § Citywide Element: Culture and Character
- § Strategy: Create vibrant and inviting places through creative architecture and urban design

2021 Planned Projects – purchase of Virtual Meeting equipment and additional network storage, replacing tractor and snow removal equipment, and replacing Level 2 curtains

	2021	2022	2023	2024	2025	2026
Borrowing	-	-	-	-	355,000	-
Other	217,500	125,000	830,000	150,000	350,000	275,000
TOTAL	\$217,500	\$125,000	\$830,000	\$150,000	\$705,000	\$275,000

PARKING UTILITY 2021 CAPITAL IMPROVEMENT PLAN

SABRINA TOLLEY



SUMMARY

2021 CIP Highlights

Vehicle Replacement Program increased by \$64,000 for new equipment, including a scissor lift for Wilson Street Garage (\$29,000).

Major Changes from 2020

Lake Street Garage Replacement Project (\$22M) in 2023-2024 moved to the Horizon List.

VEHICLE REPLACEMENT PROGRAM

Program Description

This program funds the replacement of Parking Utility vehicles. The goal of the program is to replace vehicles on a ten year cycle, realizing savings on maintenance, repairs, and fuel.

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficient upgrades and renewable energy.

2021 Planned Projects

- § Replacement of three vehicles, snow blowers, one trailer, and one new scissor lift.

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	\$203,000	\$54,000	\$88,000	\$37,000	\$88,000	\$36,000
TOTAL	\$203,000	\$54,000	\$88,000	\$37,000	\$88,000	\$36,000

PARKS DIVISION 2021 CAPITAL IMPROVEMENT PLAN

ERIC M. KNEPP, PARKS SUPERINTENDENT



SUMMARY

2021 CIP Highlights

- § Agency request focuses on most critical elements of deferred maintenance infrastructure needs
- § Brittingham Beach House Renovation moved to Horizon List
- § Funding for new Dog Park in 2025 moved to Horizon List

SUMMARY

Major Changes from 2020

- § Athletic Field Improvements – program budget decreased by \$520k based on updated project estimates and sequencing
- § Conservation Park Improvements – program budget increased by \$140k over full CIP
- § Elver Park Improvements – project budget decreased by \$1.4m based on updated project estimates, Phase 1 of Master Plan projects advanced from 2023 to 2022
- § Emerald Ash Borer – program budget decreased by \$480k over full CIP
- § Land Acquisition – program budget increased by \$5.02m driven by budget increase in 2023 based on planned purchase
- § Park Land Improvements – program budget increased by \$325.5k based on updated project estimates
- § Park Facility Improvements – program budget increased by \$1.6m based on additional Olin Building improvements in 2021 and 2022
- § Playground/Accessibility Improvements – program budget increased by \$603k based on updated project estimates
- § Vilas Park Improvements – project budget decreased by \$1.3m based on updated project estimates
- § Warner Park Community Center – Construction delayed to 2023, \$15k added for sidewalk improvements in 2021

ELVER PARK IMPROVEMENTS

Project Description

This project funds continued improvements to Elver Park. The goals of the project are improved access to park amenities and improved stormwater management at the park. The project's scope includes replacing the existing path system throughout the park, updating the utility infrastructure for ice rinks and snowmaking for ski trails, and reconstruction of the parking lot. No projects are planned for 2021, and projects planned for 2022 include conversion of a softball field to cricket and mechanical updates to support winter snow activities. Funding in 2025 will be used for parking lot repavement near ballparks. Ongoing operating costs are estimated to be \$95,000 starting in 2025 to support a park worker and supplies and maintenance costs.

Project Priority

- Citywide Element: Green and Resilient
- Strategy: Acquire parkland and upgrade park facilities to accommodate more diverse activities and gatherings

Total Budget

2,770,000

Prior Appropriation

-

	2021	2022	2023	2024	2025	2026
Borrowing	-	280,000	310,000	150,000	770,000	-
Other	-	200,000	310,000	-	750,000	-
TOTAL	\$0	\$480,000	\$620,000	\$150,000	\$1,520,000	\$0

FOREST HILL CEMETERY IMPROVEMENTS

Project Description

This project funds replacing the roads in Forest Hill Cemetery. The goal of the project is improved access for visitors, environmental management, and a reduction in flooding incidents. Construction is planned for 2025.

Project Priority

- Citywide Element: Culture and Character
- Strategy: Preserve historic and special places that tell the story of Madison and reflect racially and ethnically diverse cultures and histories

Total Budget

1,575,000

Prior Appropriation

-

	2021	2022	2023	2024	2025	2026
Borrowing	-	-	-	-	1,575,000	-
Other	-	-	-	-	-	-
TOTAL	\$0	\$0	\$0	\$0	\$1,575,000	\$0

JAMES MADISON PARK IMPROVEMENTS

Project Description

This project funds improvements at James Madison Park located in Madison's downtown area. The goal of the project is to improve the shoreline, as well as utilization of facilities and other park amenities. The project's scope includes repairs to the boathouse (2022), landscaping and seating improvements (2023), and replacing the failing sea wall (2024). No projects are planned for 2021. Funding sources include GO borrowing, impact fees, and revenue from sale of City-owned properties in or adjacent to the Park.

Project Priority

- Citywide Element: Green and Resilient
- Strategy: Improve public access to the lakes

Total Budget

1,407,348

Prior Appropriation

982,348

	2021	2022	2023	2024	2025	2026
Borrowing	-	40,000	-	200,000	-	-
Other	-	35,000	50,000	100,000	-	-
TOTAL	\$0	\$75,000	\$50,000	\$300,000	\$0	\$0

LAW PARK IMPROVEMENTS

Project Description

This project funds improvements at Law Park on the City's isthmus. The goal of the project is to form a master plan including an evaluation of site constraints and the feasibility of multiple options to expand the park footprint to accommodate the potential addition of the Frank Lloyd Wright boathouse. The recommended funding level is for the master planning process that will take place in 2024 and 2025. Construction for park improvements is included on the Horizon List.

Project Priority

- Citywide Element: Culture and Character
- Strategy: Create safe and affirming community spaces that bring people together and provide social outlets for underrepresented groups

Total Budget

1,100,000

Prior Appropriation

600,000

	2021	2022	2023	2024	2025	2026
Borrowing	-	-	-	50,000	100,000	-
Other	-	-	-	100,000	250,000	-
TOTAL	\$0	\$0	\$0	\$150,000	\$350,000	\$0

MCPIKE PARK (CENTRAL PARK)

Project Description

This project is for improvements to McPike Park. The goal of the project is to expand McPike Park in accordance with the master plan and provide park amenities and other transportation improvements as identified in the plan. The scope of the project includes a new parking lot and bike plaza on the southeast corner of the park. Design and construction are planned for 2026.

Total Budget

9,251,162

Prior Appropriation

-

	2021	2022	2023	2024	2025	2026
Borrowing	-	-	-	-	-	450,000
Other	-	-	-	-	-	50,000
TOTAL	\$0	\$0	\$0	\$0	\$0	\$500,000

Project Priority

- Citywide Element: Green and Resilient
- Strategy: Acquire parkland and upgrade park facilities to accommodate more diverse activities and gatherings

VILAS PARK IMPROVEMENTS

Project Description

This project funds a series of improvements in Vilas Park to be guided by the master plan that is currently in development. The goal of the project is to create a sustainable park that will provide a variety of recreational amenities and protect and enhance natural resources. The final scope for the full project will be based on the master plan when complete. Funding included in the CIP are for design and construction of parking lot improvements.

Project Priority

- Citywide Element: Green and Resilient
- Strategy: Acquire parkland and upgrade park facilities to accommodate more diverse activities and gatherings.

Total Budget

1,850,000

Prior Appropriation

1,415,000

	2021	2022	2023	2024	2025	2026
Borrowing	350,000	-	750,000	-	-	-
Other	-	-	750,000	-	-	-
TOTAL	\$350,000	\$0	\$1,500,000	\$0	\$0	\$0

WARNER PARK COMMUNITY CENTER

Project Description

This project funds the expansion of the Warner Park Community Recreation Center. The goal of the project is to bring youth together via programming, classes, and other community building opportunities. The project's scope includes sidewalk replacement, along with design and construction of a new community recreation center. Sidewalk improvements will take place in 2021; design is planned for 2023; and construction is planned for 2024. Ongoing operating costs include \$116,000 for a maintenance mechanic, hourly wages, utility costs, and maintenance supplies.

Total Budget

4,815,000

Prior Appropriation

-

	2021	2022	2023	2024	2025	2026
Borrowing	15,000	250,000	3,350,000	-	-	-
Other	-	250,000	950,000	-	-	-
TOTAL	\$15,000	\$500,000	\$4,300,000	\$0	\$0	\$0

Project Priority

- Citywide Element: Culture and Character
- Strategy: Create safe and affirming community spaces that bring people together and provide social outlets for underrepresented groups

ATHLETIC FIELD IMPROVEMENTS

Program Description

This program funds the maintenance, restoration, and improvement of athletic fields in the park system, including those utilized by Madison Ultimate Frisbee Association (MUFA) under a non-exclusive use of park land agreement. Projects funded under this program include lighting, field, and turf improvements and are supported by borrowing, impact fees, and revenue generated by contract with MUFA.

	2021	2022	2023	2024	2025	2026
Borrowing	275,000	170,000	70,000	685,000	340,000	195,000
Other	240,000	240,000	40,000	255,000	180,000	90,000
TOTAL	\$515,000	\$410,000	\$110,000	\$940,000	\$520,000	\$285,000

Program Priority

- Citywide Element: Culture and Character
- Strategy: Create safe and affirming community spaces that bring people together and provide social outlets for underrepresented groups.

2021 Planned Projects

- Field improvements at Warner Park
- City-wide turf management

BEACH AND SHORELINE IMPROVEMENTS

Program Description

This program funds improvements of beaches, shorelines, and public access to the water. The goals of the program are to provide boat launches that are safe and usable, minimize shoreline erosion, and ensure piers that are safe, accessible, and usable.

	2021	2022	2023	2024	2025	2026
Borrowing	405,000	352,000	105,000	515,000	240,000	740,000
Other	250,000	312,000	50,000	100,000	70,000	275,000
TOTAL	\$655,000	\$664,000	\$155,000	\$615,000	\$310,000	\$1,015,000

Program Priority

- Citywide Element: Green and Resilient
- Strategy: Improve public access to the lakes

2021 Planned Projects

- Shoreline improvements at Tenney Park
- Citywide boat launch dredging and pier improvements

CONSERVATION PARK IMPROVEMENTS

Program Description

This program funds environmental enhancements to the City's diverse native ecosystems consistent with the adopted Land Management standards for the Parks Division. The goals of the program are to create natural landscapes and open spaces that are well-maintained and accessible to park visitors, and to preserve and protect the natural resources of the Madison-area through long-term, focused land management practices. Projects funded in this program include land management, building improvements, and installation of signage.

Program Priority

- Citywide Element: Green and Resilient
- Strategy: Improve and preserve urban biodiversity through an interconnected greenway and habitat system

2021 Planned Projects

- Citywide habitat and land management
- Citywide addition of trailhead interpretive signage

	2021	2022	2023	2024	2025	2026
Borrowing	235,000	285,000	315,000	445,000	810,000	410,000
Other	40,000	40,000	15,000	5,000	5,000	5,000
TOTAL	\$275,000	\$325,000	\$330,000	\$450,000	\$815,000	\$415,000

DISC GOLF IMPROVEMENTS

Program Description

This program funds the maintenance and construction of the City's disc golf courses. The goal of the program is to meet current standards for safety. Projects funded in this program include improvements to existing disc golf courses and construction of new disc golf course locations in City parks. Improvements to existing disc golf courses and construction of new courses must be funded by revenue from the City's disc golf fees.

Program Priority

- Citywide Element: Green and Resilient
- Strategy: Acquire parkland and upgrade park facilities to accommodate more diverse activities and gatherings.

2021 Planned Projects

- Improve disc golf courses at Hiestand, Elver Park, and Yahara Hills

	2021	2022	2023	2024	2025	2026
Borrowing	-	-	-	-	-	-
Other	35,000	60,000	340,000	40,000	40,000	40,000
TOTAL	\$35,000	\$60,000	\$340,000	\$40,000	\$40,000	\$40,000

DOG PARK IMPROVEMENTS

Program Description

This program funds maintenance and construction for the City's dog parks. The goal of the program is to provide safe facilities to meet the needs of the City's growing dog owner population. Projects funded in this program include improvements to existing dog parks and construction of new ones.

Program Priority

- Citywide Element: Culture and Character
- Strategy: Create safe and affirming community spaces that bring people together and provide social outlets for underrepresented groups

2021 Planned Projects

- Citywide dog park improvements
- Warner Park dog park improvements

	2021	2022	2023	2024	2025	2026
Borrowing	-	-	19,000	-	-	-
Other	50,000	25,000	69,000	50,000	150,000	50,000
TOTAL	\$50,000	\$25,000	\$88,000	\$50,000	\$150,000	\$50,000

EMERALD ASH BORER MITIGATION

Program Description

This project funds Emerald Ash Borer (EAB) mitigation efforts in the City's parks. The goal of the project is the timely removal and replacement of park trees while ensuring other Forestry services are not adversely impacted. Projects funded in this program include implementing the recommendations of the EAB Task Force to proactively remove and replace ash trees throughout the city.

Program Priority

- Citywide Element: Green and Resilient
- Strategy: Develop a healthy and diverse urban tree canopy

2021 Planned Projects

- Citywide removal and replacement of ash trees in parks
- Citywide ongoing maintenance of new trees

	2021	2022	2023	2024	2025	2026
Borrowing	450,000	300,000	100,000	-	-	-
Other	-	-	-	-	-	-
TOTAL	\$450,000	\$300,000	\$100,000	\$0	\$0	\$0

LAND ACQUISITION

Program Description

This program funds acquisition of new parkland. The goal of the program is to pursue opportunities to add additional land to the City's park inventory by expanding existing parks or purchasing land in park-deficient areas. Projects funded in this program include research, appraisals, title work, negotiations, and land acquisition, which is subject to final approval of the Common Council.

	2021	2022	2023	2024	2025	2026
Borrowing	520,000	300,000	6,300,000	300,000	300,000	300,000
Other	-	-	-	-	-	-
TOTAL	\$520,000	\$300,000	\$6,300,000	\$300,000	\$300,000	\$300,000

Program Priority

- Citywide Element: Green and Resilient
- Strategy: Acquire parkland and upgrade park facilities to accommodate more diverse activities and gatherings.

2021 Planned Projects

- Potential expansion in the park system

PARK EQUIPMENT

Program Description

This program funds the purchase of new and replacement Parks equipment. The goal of the program is 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. The project's scope includes equipment that supports general park maintenance, Mall/Concourse maintenance, community services, facility maintenance, conservation parks, and construction planning and development.

Program Priority

- Citywide Element: Effective Government
- Strategy: Ensure all neighborhoods are clean and safe through the provisions of quality non-emergency services.

2021 Planned Projects

- Investment in park equipment city-wide
- Continue investigating options to introduce green-powered equipment

	2021	2022	2023	2024	2025	2026
Borrowing	425,000	300,000	425,000	425,000	425,000	300,000
Other	-	-	-	-	-	-
TOTAL	\$425,000	\$300,000	\$425,000	\$425,000	\$425,000	\$300,000

PARK LAND IMPROVEMENTS

Program Description

This program funds improvements to Madison's community, neighborhood, and mini parks. The goal of this program is to provide safe and accessible recreational amenities across the park system. Projects funded in this program include bridge improvements, updates to athletic courts, fencing improvements, landscaping, and parking lot pavement replacement.

Program Priority

- Citywide Element: Culture and Character
- Strategy: Create vibrant and inviting places through creative architecture and urban design

2021 Planned Projects

- Bike recreation updates at Elvehjem and Walnut Grove Parks
- Bridge improvements at Tenney Park
- Barn improvements at Ruudahl Park
- Ice Rink Improvements at Tenney park
- Paving at Warner Park
- Spray park improvements at Cypress Spray Park
- Citywide updates to courts, fencing, land management, landscaping, paths, paving, piers, and planning

	2021	2022	2023	2024	2025	2026
Borrowing	1,739,000	1,166,000	1,908,000	2,636,500	1,004,000	2,848,000
Other	550,000	1,034,000	617,000	1,388,000	644,000	2,283,000
TOTAL	\$2,289,000	\$2,200,000	\$2,525,000	\$4,024,500	\$1,648,000	\$5,131,000

PARK FACILITY IMPROVEMENTS

Program Description

This program funds maintenance and improvements to existing park buildings and facilities. The goal of the program is to maintain facilities that meet the needs of park users and staff maintaining the parks. Projects funded in this program include updates to park facilities, lighting improvements, and pool improvements.

Program Priority

- Citywide Element: Green and Resilient
- Strategy: Acquire parkland and upgrade park facilities to accommodate more diverse activities and gatherings

2021 Planned Projects

- Citywide lighting, drinking fountain, shelter, and signage improvements
- Paving at Summit-West Maintenance
- Building improvement at Brittingham Boathouse, Yahara Hills Parks (South), Warner Park Community Recreation
- Pool improvements at Goodman Pool
- Roof assessment study at the Thai Pavilion in Olbrich Garden

	2021	2022	2023	2024	2025	2026
Borrowing	2,128,300	1,027,500	720,100	405,500	1,350,000	1,120,000
Other	695,000	100,000	-	-	400,000	635,000
TOTAL	\$2,823,300	\$1,127,500	\$720,100	\$405,500	\$1,750,000	\$1,755,000

PLAYGROUND/ACCESSIBILITY IMPROVEMENTS

Program Description

This program funds maintenance and improvements at existing park playgrounds. The goals of this program are to replace and upgrade existing playgrounds to meet industry standards and to ensure recreational amenities are accessible to the greatest extent possible. Projects funded in this program include playground equipment, accessibility improvements, and bicycle playgrounds.

Program Priority

- Citywide Element: Culture and Character
- Strategy: Create safe and affirming community spaces that bring people together and provide social outlets for underrepresented groups.

2021 Planned Projects

- Citywide playground improvements and playground equipment
- Bicycle Playground at Aldo Leopold Park
- Nature Play Area at Elvehjem Park

	2021	2022	2023	2024	2025	2026
Borrowing	490,000	595,000	985,000	900,000	475,000	568,000
Other	390,000	900,200	640,000	650,000	568,000	518,000
TOTAL	\$880,000	\$1,495,200	\$1,625,000	\$1,550,000	\$1,043,000	\$1,086,000

PLANNING DIVISION 2021 CAPITAL IMPROVEMENT PLAN

HEATHER STOUDER



SUMMARY

2021 CIP Highlights

Municipal Art Fund

Major Changes from 2020

Annual project amounts now include staff time that will be charged to the program starting in 2021 (\$60k)

MUNICIPAL ART FUND

Program Description

§ Focuses on the maintenance and expansion of the City's public art collection, emphasizing equitable distribution, involvement of residents, and increased opportunities for local artists of color.

	2021	2022	2023	2024	2025	2026
Borrowing		150,000	160,000	160,000	160,000	160,000
Other	150,000					
TOTAL	150,000	150,000	160,000	160,000	160,000	160,000

Program Priority

§ Citywide Element: Culture and Character

§ Strategy: Integrate public art throughout the city

2021 Planned Projects

Installation in Darbo-Worthington Neighborhood

Thurber Park Artist in Residency

Art in Public Places

POLICE DEPARTMENT 2021 CAPITAL IMPROVEMENT PLAN

ACTING CHIEF VICTOR WAHL



SUMMARY

2021 CIP Highlights

Investing in projects that will maintain current systems and equipment

Major Changes from 2020

No changes to existing projects/programs

Police Building Improvements

Funding for routine maintenance and improvements moved to Engineering-Facilities (\$2,525,300)

POLICE INTERVENTION EQUIPMENT

Project Description

§ This is the second and final year of this project. It funds the expansion of the Police Department's equipment consistent with community recommendations/feedback to explore alternatives to traditional law enforcement weapons. The goal of the project is to increase the immediate availability of alternative force options to officers responding to critical incidents.

Project Priority 2

- § Citywide Element: Effective Government
- § Strategy: Continue to build better relationships between police and the diverse communities they serve

Total Budget

\$120,000

Prior Appropriation

\$60,000

	2021	2022	2023	2024	2025	2026
Borrowing	\$60,000					
Other						
TOTAL	\$60,000					

POLICE TECHNOLOGY AND EQUIPMENT

Program Description

This program funds technology, safety, and other operational equipment. The goal of the program is to have adequate operational equipment to attend to emergency incidents, significant events, and other public safety and investigative concerns.

	2021	2022	2023	2024	2025	2026
Borrowing	\$264,125	\$271,125	\$272,875	\$270,875	\$272,875	\$281,400
Other						
TOTAL	\$264,125	\$271,125	\$272,875	\$270,875	\$272,875	\$281,400

Program Priority 1

Citywide Element: Effective Government

Strategy: Improve accessibility to government agencies and services

2021 Planned Projects

Software/hardware enhancements and upgrades; arbitrator replacements for 25 squad cars; equipment and technology upgrades such as a 3D crime scene scanner/printer, cameras, and district equipment

SEWER UTILITY 2021 CAPITAL IMPROVEMENT PLAN

ROBERT PHILLIPS, CITY ENGINEER



SUMMARY

2021 CIP Highlights

The top priority continues to be Trenchless Sewer Rehabilitation- 9 miles of sewer main per year- the most cost effective and environmental friendly approach to upgrade a sewer main to modern standards. Carbon emissions from trenchless are 70 to 80% lower than conventional open cut sewer replacement.

Budget includes funding the Sewer Reconstruction to replace of sewer main on Dearholt Drive due to sewer capacity needs. The majority of these sewer improvements will assessed to the developer of Westgate Mall which is planned to become a high rise apartment development.

Budget includes funding the Sewer Reconstruction to replace sewer off of Grimm Street near the airport. The sewer was discovered to be in disrepair by Engineering Operations after a reported Sanitary Sewer Overflow (SSO).

Major Changes from 2020

The biggest change to the 2021 budget is that the (4) lift station replacements that were separate projects in 2020 Capital Budget are now consolidated under the Lift Station Rehabilitation and Replacement Program.

Sewer Reconstruction budget increased \$1.3 million to fund dedicated sewer projects. Money was shifted from Street Reconstruction. There was excess funding available in the planned roadwork projects and we had need for funding in the Sewer Reconstruction budget.

Sewer Impact Fee Projects shifted from 2021/2022 to 2023/2024. Felland Road Neighborhood Sanitary Sewer Improvement Impact Fee District is now planned for 2023 and Pumpkin Hollow Sanitary Sewer Improvement Impact Fee District is now planned for 2024.

CITYWIDE PUMPING STATIONS-EMERGENCY POWER STATIONARY GENERATORS

Program Description

§ This program is for emergency power stationary generators at the City's pumping stations. The goal of the program is to ensure continuous sanitary service in the event of power loss. Projects funded in this program include the purchase and installation of generators to provide continuous power to sanitary sewer lift stations. Funding in 2021 is for a back-up generator at the Arbor Hills Lift Station.

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	58,000	58,000	58,000	58,000	58,000	60,000
TOTAL	58,000	58,000	58,000	58,000	58,000	60,000

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

2021 Planned Projects

- § Arbor Hills Lift Station

LIFT STATION REHABILITATION AND REPLACEMENT

Program Description

- This program funds rehabilitation and replacement of the Sewer Utility's 29 wastewater lift stations and force mains. The goal of this program is to maintain system reliability and to reduce the number of back-ups or emergency incidents. Projects funded in this program range from smaller repairs to full lift station replacements. Projects in 2021 include the replacement of the Truax Lift Station and smaller repairs to the Carroll and Veith Lift Stations. The 2021 Capital Improvement Plan (CIP) consolidates all lift station maintenance projects into one program. Construction of new lift stations will appear as standalone projects in future CIPs.

Program Priority

- Citywide Element: Green and Resilient
- Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

2021 Planned Projects

- Truax Lift Station Replacement- Facility built in 1942 and required excessive repair work. Full replacement including replacement of building structure, electrical system and pumps.
- Scheduled repair work and maintenance repairs as needed to the City's 29 lift stations.
- Scheduled Repair work includes Lift Station Controls upgrades to Veith Lift Station and Carroll Street Lift Stations and 4-6 Pump Rebuilds per year.
- Miscellaneous repair work as needed.

	2021	2022	2023	2024	2025	2026
Borrowing	1,000,000		360,000	360,000	360,000	
Other	289,000	231,000	296,000	253,000	196,000	164,000
TOTAL	1,289,000	231,000	656,000	613,000	556,000	164,000

SEWER ACCESS IMPROVEMENTS

Program Description

§

structures. The goal of this program is to provide City Operations crews with safe access to maintain the City's sanitary sewer system. Projects funded in this program

and are identified by operations crews based on areas that are not accessible to perform preventative maintenance work. The primary project planned for 2021 is improving access to a sewer off of Packers Avenue south of Dovetail Drive.

Program Priority

§

Citywide Element: Effective Government

§

Strategy: Ensure all neighborhoods are clean and safe through the provision of quality non-emergency services.

2021 Planned Projects

§

Dovetail Sanitary Access Path Phase 2- Maintenance crews need access off of Packer Ave. south of Dovetail Drive

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	220,000	130,000	130,000	130,000	135,000	142,000
TOTAL	220,000	130,000	130,000	130,000	135,000	142,000

SEWER IMPACT FEE DISTRICTS

Program Description

§ This program is for the extension of sanitary sewer service to developing areas of the City requiring sewer infrastructure installation. The goal of the program is to ensure developing areas of the City have access to sewage services. Projects funded in this program are reviewed annually as dictated by demand for development. No projects are planned for 2021. Funding in 2023 is for the Felland Road Neighborhood, and funding in 2024 is for the Pumpkin Hollow Neighborhood.

Program Priority

- § Citywide Element: Effective Government
- § Strategy: Ensure that new development occurs in locations that can be efficiently served to minimize costs on the community as a whole.

2021 Planned Projects

- § No projects planned in 2021
- § Sewer Impact Fee Projects shifted from 2021/2022 to 2023/2024. Felland Road neighborhood Sanitary Sewer Improvement Impact Fee District is now planned for 2023 and Pumpkin Hollow Sanitary Sewer Improvement Impact Fee District is now planned for 2024.

	2021	2022	2023	2024	2025	2026
Borrowing						
Other			1,200,000	1,000,000		
TOTAL			1,200,000	1,000,000		

SEWER RECONSTRUCTION

Program Description

- § This program is for replacing old sewers throughout the City. The goal of this program is to alleviate emergency sewer repairs and back-ups by replacing the sewer infrastructure that is past its useful life. Coordination for the replacement of these sewers often gets completed with the Reconstruct Streets and Pavement Management programs within the Engineering-Major Streets budget. Projects funded in this program are determined on a case-by-case basis based on sewer condition. Projects planned for 2021 include the Dearholt Sewer replacement in the Westgate Mall (Whitney Way) area, replacement of a sewer on Grimm Street, and other smaller repairs citywide.

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe clean drinking water.

2021 Planned Projects

- § Dearholt Sewer Replacement- Sewer capacity increase needed to sewer in order to serve Westgate Mall Redevelopment (high rise apartment development).
- § Grimm Street Sanitary- Sewer discovered to be in disrepair by Engineering Operations after a reported Sanitary Sewer Overflow. Sewer located near airport.

	2021	2022	2023	2024	2025	2026
Borrowing	390,000	500,000	254,000	270,000	300,000	321,000
Other	591,000	222,000	246,000	230,000	216,000	116,000
TOTAL	981,000	722,000	500,000	500,000	516,000	437,000

TRENCHLESS SEWER REHABILITATION

Program Description

- § This program funds the rehabilitation of failing sewers by lining the existing sewer mains using cameras and remote controlled tools. The goal of this program is to repair nine miles of sewer mains annually, with priority given to backyard sewer mains. Many projects funded in this program address inflow and infiltration problems.
staff based on the location and nature of the sewer's defects.

	2021	2022	2023	2024	2025	2026
Borrowing	1,450,000	1,260,000	1,260,000	1,260,000	1,233,000	1,293,000
Other	240,000	500,000	500,000	500,000	491,000	517,000
TOTAL	1,690,000	1,760,000	1,760,000	1,760,000	1,724,000	1,810,000

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe clean drinking water.

2021 Planned Projects

- § Sewer Lining (Approximately 9 miles)

STORMWATER UTILITY 2021 CAPITAL IMPROVEMENT PLAN

ROBERT PHILLIPS, CITY ENGINEER



SUMMARY

2021 CIP Highlights

- Continued efforts to support Flood Mitigation

- Stormwater Quality project will also support Flood Mitigation efforts

- Land acquisitions based on Impact Fee District recommendations

Major Changes from 2020

- Increased TIF to fund major Flood Mitigation efforts

- Increased Impact Fees to support major Flood Mitigation efforts

CITYWIDE FLOOD MITIGATION

Program Description

- § This program is for stormwater network improvements where flooding occurs during large rain events. The goal of the program is to eliminate flooding and protect property from damage. Projects funded in this program include watershed studies and improvements based on study results.

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Does not meet a strategy.

2021 Planned Projects

- § Hawks Landing North subdivision improvements – land acquisition
- § South Street flood mitigation
- § Local flood mitigation on reconstruction projects
- § Spring Harbor Relief Storm Sewer – Ph I
- § Property acquisition in LBMC for regional detention

	2021	2022	2023	2024	2025	2026
Borrowing	4,985,250	7,702,750	2,308,500	800,000	847,500	142,500
Other	1,539,750	1,834,250	939,500	320,000	282,500	47,500
TOTAL	6,525,000	9,537,000	3,248,000	1,120,000	1,130,000	190,000

STORM SEWER SYSTEM IMPROVEMENTS

Program Description

- § This program is for improvements to the storm sewer network. The goal of this program is to ensure a reliable storm sewer system for City residents. Projects funded in this program include ongoing preventative maintenance and repairs to the City's storm sewer network.

	2021	2022	2023	2024	2025	2026
Borrowing	276,600	148,200	144,000	100,200	121,800	109,800
Other	184,400	98,800	96,000	66,800	81,200	73,200
TOTAL	461,000	247,000	240,000	167,000	203,000	183,000

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Does not meet a strategy.

2021 Planned Projects

- § Cured in place piping (CIPP)
- § Waterway improvements consisting of various low cost improvements to the stormwater network
- § Additional funding for South Street (also see Citywide Flood Mitigation)
- § Storm sewer repairs at Spring Trail

STORMWATER QUALITY SYSTEM IMPROVEMENTS

Program Description

§ This program is for stormwater quality improvement projects associated with the City's WDNR/EPA stormwater discharge permit. The goal of this program is to improve the quality of the stormwater and compliance with environmental guidelines and initiatives. Projects within the program are prioritized annually and include: greenway reconstructions, storm water pond improvements, shoreline restoration, and urban water quality projects. Smaller projects include rain gardens with street reconstruction and dredging.

Program Priority

§ Citywide Element: Green and Resilient

§ Strategy: Improve lake and stream water quality.

2021 Planned Projects

§ Mendota Spring Harbor and Hickory Hollow greenway

§ Sauk Creek Phase 3 and 4 and greenway

§ Curtis/Coyote ponds with Arboretum

§ Old Sauk Trails Ponds design and permitting

§ Spring Harbor dredge

§ Rain Gardens and Green Infrastructure

§ Hawks Landing Sediment Traps

§ Design and permitting for 3 sections of Greenway in Spring Harbor Watershed

	2021	2022	2023	2024	2025	2026
Borrowing	2,345,000	3,029,500	1,286,500	195,000	124,500	697,200
Other	480,000	620,500	263,500	40,000	25,500	142,800
TOTAL	2,825,000	3,650,000	1,550,000	235,000	150,000	840,000

STREET CLEANING EQUIPMENT - STREETS

Program Description

- This program is for replacing existing street sweeping machines operated by the Streets Division in the Streetsweeping service. The goal of this program is to reduce the discharge of pollutants and solids to the lakes by removing material from the street surface before it is mixed with storm water runoff. This program funds annual equipment replacements of the City's streetsweeping equipment on a five-year cycle.

Program Priority

- Citywide Element: Green and Resilient
- Strategy: Improve lake and stream water quality.

2021 Planned Projects

- In 2021 funding will be used to replace two mechanical street sweeping vehicles.

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	455,000	465,000	300,000	470,000	470,000	493,000
TOTAL	455,000	465,000	300,000	470,000	470,000	493,000

STREETS DIVISION 2021 CAPITAL IMPROVEMENT PLAN

CHARLIE ROMINES SUPERINTENDENT



SUMMARY

2021 CIP Highlights

FAR WEST FACILITY: Planning funding moved to 2026; Construction anticipated in 2027

STREETS EQUIPMENT: Program budget decreased by \$443k to reflect removing anticipated snow equipment from CIP

STREETS MINOR BUILDING MAINTENANCE AND REPAIRS: Funding for routine maintenance and improvements moved to Engineering-Facilities Management (\$3.0m)

Major Changes from 2020

TRANSFER STATION TIPPING FLOOR: project delayed from 2021 to 2023

FAR WEST FACILITY

Project Description

- § Construction of a Public Works Facility to serve Madison's far west side

Project Priority

- § Citywide Element: Effective Government
- § Strategy: Improve accessibility to government agencies and services

Total Budget

\$1,600,000

Prior Appropriation

\$0

	2021	2022	2023	2024	2025	2026
Borrowing						\$1,600,000
Other						
TOTAL						\$1,600,000

SALT STORAGE BARN

Project Description

§ Construction of a new salt storage barn at the Badger Road facility

Project Priority

§ Citywide Element: Effective Government

§ Strategy: Ensure all neighborhoods are clean and safe through the provision of quality non-emergency services

Total Budget	\$810,000					
Prior Appropriation	\$0					
	2021	2022	2023	2024	2025	2026
Borrowing	\$810,000					
Other						
TOTAL	\$810,000					

STREETS EQUIPMENT

Program Description

§ The purchase of new Streets Division equipment

Program Priority

§ Citywide Element: Effective Government

§ Strategy: Ensure all neighborhoods are clean and safe through the provision of quality non-emergency services

2021 Planned Projects

§ Tandem dump truck with spread and wing

§ Rear loader; toolcat; one ton pickup

§ Hook lift containers

	2021	2022	2023	2024	2025	2026
Borrowing	\$800,000	\$615,000	\$843,000	\$818,000	\$870,000	\$915,000
Other						
TOTAL	\$800,000	\$615,000	\$843,000	\$818,000	\$870,000	\$915,000

STREET TREE PROGRAM

Program Description

- § Planting terrace trees along new streets and replacement of street trees within the city

Program Priority

- § Citywide Element: Green and Resilient
- § Strategy: Develop a healthy and diverse urban tree canopy

2021 Planned Projects

- § Replacement and planting of tree species based on providing a sustainable amenity throughout the city

	2021	2022	2023	2024	2025	2026
Borrowing	\$175,000	\$175,000	\$175,000	\$175,000	\$175,000	\$195,000
Other	\$165,000	\$165,000	\$165,000	\$165,000	\$165,000	\$165,000
TOTAL	\$340,000	\$340,000	\$340,000	\$340,000	\$340,000	\$360,000

STREETS YARD IMPROVEMENTS

Program Description

- § Maintaining and improving the Streets Division's four drop-off sites

	2021	2022	2023	2024	2025	2026
Borrowing			\$240,000	\$250,000	\$260,000	\$275,000
Other						
TOTAL			\$240,000	\$250,000	\$260,000	\$275,000

Program Priority

- § Citywide Element: Effective Government
- § Strategy: Ensure all neighborhoods are clean and safe through the provision of quality non-emergency services

2021 Planned Projects

- § none

TRANSFER STATION TIPPING FLOOR

Project Description

§ Replace the transfer station tipping floor at our Olin Avenue site

Total Budget

\$210,000

Prior Appropriation

\$0

Project Priority

§ Citywide Element: Effective Government

§ Strategy: Ensure all neighborhoods are clean and safe through the provision of quality non-emergency services

	2021	2022	2023	2024	2025	2026
Borrowing			\$210,000			
Other						
TOTAL			\$210,000			

URBAN TREE INITIATIVES

Project Description

- § Support strategies identified by the Urban Forest Task Force

Total Budget

\$500,000

Prior Appropriation

\$0

Project Priority

- § Citywide Element: Green and Resilient
- § Strategy: Develop a healthy and diverse urban tree canopy

	2021	2022	2023	2024	2025	2026
Borrowing	\$500,000					
Other						
TOTAL	\$500,000					

Initiatives:

- § \$250,000 – Implement various strategies to increase tree canopy cover in areas that are identified as canopy deficient and have presented challenges using more traditional methods
- § \$150,000 – Street Tree Inventory / \$50,000 – Canopy Analysis / \$50,000 – Tree Technical Manual

TRAFFIC ENGINEERING 2021 CAPITAL IMPROVEMENT PLAN

YANG TAO, PH.D., P.E., CITY TRAFFIC ENGINEER



SUMMARY

2021 CIP Highlights

TE is requesting approximately \$3 million in its 2021 Capital budget request.

Vision Zero has been converted from a one-time capital project to capital program with recurring expenses.

The request includes 4 new capital projects and significant upgrades to the Public Safety Radio Program and Vision Zero capital programs (below).

Major Changes from 2020

Projects added:

Citywide LED Conversion: Project added to CIP to convert all remaining City maintained streetlights to LED (\$3.1m)

John Nolen Tunnel Lighting: Project added to CIP (\$1.0m)

Temporary Traffic Control & Lighting: Project added to CIP (\$100k)

Programs with significant increases:

Vision Zero: Project converted a program (\$3.0m)

Public Safety Radio System: Funding added to purchase backup system in 2023 (\$950k)

CITYWIDE LED CONVERSION

Project Description

§ This project is to convert all remaining City maintained streetlights to LED. The goal is to reduce energy usage and costs. The project's scope includes costs for the replacement of 6,000 non-LED streetlight fixtures. Completion of the project is estimated to save \$390,000 in electricity costs annually (not including debt service costs).

Total Budget:

3,100,000

Prior Appropriation

0

	2021	2022	2023	2024	2025	2026
Borrowing	850,000	750,000	1,500,000	0	0	0
Other	0	0	0	0	0	0
TOTAL	\$850,000	\$750,000	1,500,000	0	0	0

Project Priority

Citywide Element: Green and Resilient

Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

JOHN NOLEN TUNNEL LIGHTING

Project Description

- This project funds replacing the current tunnel lighting on John Nolen Drive under Monona Terrace. The goal of the project is to improve safety along the existing roadway by replacing the existing lighting that has been damaged by snow and stormwater runoff. The scope of the project includes the updated lighting infrastructure and installation costs. Funding to study this project was included in the 2020 capital budget. Construction of the project is scheduled for 2022.

Total Budget:

1,000,000

Prior Appropriation

0

	2021	2022	2023	2024	2025	2026
Borrowing	0	1,000,000	0	0	0	0
Other	0	0	0	0	0	0
TOTAL	0	\$1,000,000	00	0	0	0

Project Priority

Citywide Element: Land Use and Transportation

Strategy: Maintain downtown Madison as a major Activity Center for the region while improving access and inclusivity.

PUBLIC SAFETY RADIO SYSTEM

Program Description

§ This program is for digital emergency communication equipment. The program's goal is to build redundancy to ensure the continuation of operations in case of major disruptions. The program's scope is focused on purchasing equipment and the corresponding software to operate the equipment. Funding in 2023 will be used to purchase a backup system to safeguard against system interruptions.

Program Priority

Citywide Element: Effective Government

Strategy: Ensure all neighborhoods are clean and safe through the provision of quality non-emergency services

2021 Planned Projects:

Replacement of service monitor. Major upgrade funded in 2023.

	2021	2022	2023	2024	2025	2026
Borrowing	50,000	50,000	1,000,000	50,000	50,000	50,000
Other	0	0	0	0	0	0
TOTAL	\$50,000	\$50,000	\$1,000,000	\$50,000	\$50,000	\$50,000

STREET LIGHT INSTALLATION

Program Description

§

lighting systems, including computer support; replacement or painting/refurbishing of older poles, fixtures, cable and other major street light equipment; and installation of new street lights. The program's goal is to provide adequate lighting on streets for motorists, pedestrians, and bicyclists.

Borrowing	170,000	175,000	175,000	175,000	180,000	180,000
Other	440,000	440,000	440,000	440,000	440,000	440,000
TOTAL	\$ 610,000	\$ 615,000	\$ 615,000	\$ 615,000	\$620,000	\$ 620,000

Program Priority

- § Citywide Element: Neighborhoods and Housing
- § Strategy: Create complete neighborhoods across the city where residents have access to transportation options and resources needed for daily living

2021 Planned Projects

- § Replacing decorative deteriorating poles on State Street and Capitol Square.
- § Paint E Washington street light poles to preserve poles that are deteriorated and may have corroded.

TEMPORARY TRAFFIC CONTROL & LIGHTING

Project Description

§ This project will purchase equipment needed to test new traffic patterns and to support emergency responses. The project goal is to allow staff evaluation and public input on new traffic patterns before permanent installation. This project also seeks to provide greater safety during emergency situations. The scope of the project includes purchasing temporary curbs, barriers, transportation equipment, and portable light towers.

Project Priority:

§ Citywide Element: Health and Safety

Total Budget:

100,000

Prior Appropriation

0

	2021	2022	2023	2024	2025	2026
Borrowing	100,000	0	0	0	0	0
Other	0	0	0	0	0	0
TOTAL	\$100,000	0	0	0	0	0

TRAFFIC SAFETY INFRASTRUCTURE

Program Description

§ This program is to fund traffic control devices, traffic safety studies, and local share of grants to improve traffic safety and accessibility for pedestrians, bicyclists, motorists and transit users.

	2021	2022	2023	2024	2025	2026
Borrowing	50,000	50,000	50,000	50,000	50,000	50,000
Other	0	0	0	0	0	0
TOTAL	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000

Program Priority

Citywide Element: Effective Government

Strategy: Ensure all neighborhoods are clean and safe through the provision of quality non-emergency services.

2021 Planned Projects

Program gives agency flexibility to emerging public safety issued.

TRAFFIC SIGNAL INSTALLATION

Program Description

§

City's traffic signal network. The goal of the program is to provide energy efficient and dynamic traffic signals that are readily adaptable to provide for safe, efficient traffic flow for vehicles, bicycles, and pedestrians.

	2021	2022	2023	2024	2025	2026
Borrowing	355,000	360,000	360,000	360,000	365,000	365,000
Other	470,000	470,000	470,000	470,000	470,000	470,000
TOTAL	\$825,000	\$830,000	\$830,000	\$830,000	\$835,000	\$835,000

Program Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Implement new technologies to more efficiently use existing transportation infrastructure.

2021 Planned Projects

Packers and Aberg Traffic Signal

Controller Cabinet upgrades

VISION ZERO

Program Description

§

the severity and frequency of crashes. This program's goal is to reduce severe crashes by seeking infrastructure improvements at locations with high crash rates. The scope of the program may include a number of initiatives such as the installation of new street signage/signals/markings, street reconstruction, or hiring a consultant to perform related work.

Program Priority

§ Citywide Element: Land Use and Transportation

§ Strategy: Implement new technologies to more efficiently use existing transportation infrastructure.

2021 Planned Projects

Traffic signal, signing, marking and geometric improvements on various City streets experiencing high crash injury rates.

	2021	2022	2023	2024	2025	2026
Borrowing	500,000	500,000	500,000	500,000	500,000	500,000
Other	0	0	0	0	0	0
TOTAL	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000

TRANSPORTATION 2021 CAPITAL IMPROVEMENT PLAN

TOM LYNCH PE PTOE PTP AICP



SUMMARY

Three existing project were combined into the BRT budget to provide efficiencies and better competitiveness for BRT grant.

- Base BRT budget

- Metro Buses 2022-2024

- Satellite facility

BRT monies were moved to 2022 to address FTA requirement that monies be committed prior to reaching a Project Funding Agreement

2020 CAPITAL BUDGET

Project	Budget	Total	Federal	Local Borrowing
BRT System *	Trans	\$ 128 M	\$ 96 M	\$ 32 M
Maintenance Facility	Metro	\$ 16 M		\$ 16 M
4 Years Bus Replacement	Metro	\$ 32 M	\$ 12 M	\$ 20 M
Total		\$ 176 M	\$ 108 M	\$ 68 M

25% non-CIG Match for BRT
 Low probability of obtaining a
 Small Starts funding
 agreement

PROPOSED 2021 CAPITAL IMPROVEMENT PLAN SUMMARY - BRT

Project		Total	Federal	Local Borrowing
BRT System	Trans	\$ 160 M	\$ 107 M	\$ 53 M
Maintenance Facility	Trans			
4 Years Bus Replacement	Trans			
Total		\$ 160 M	\$ 107 M	\$ 53 M

- Planned bus replacements replaced with new BRT buses as part of BRT project
- Bus facility improvements included as part of the BRT project

50% non-CIG Match for BRT
High probability of obtaining a Small Starts funding agreement

BRT PROJECT COMBINATION

Overall project costs reduced by \$16 million

Local borrowing reduced by \$15 million

Small Starts request reduced from 75% to 50% - *greatly* increasing likelihood of Small Starts funding

Part of this made possible by directing \$26 million of existing non-Small Starts federal funding for buses and bus facilities towards the BRT project

BUS RAPID TRANSIT

Program Description

Implement BRT system to increase capacity of the Metro system while decreasing ride times.

Project Priority - 1

§ Citywide Element:

Land Use and Transportation

§ Strategy:

2. Implement Bus Rapid Transit

Total Budget

\$157.2 million*

Prior Appropriation

\$7 million+

*\$160 million with 2020 appropriation and \$2.8 million in debt service levy payments

+Project increase due to combining Metro Bus Purchases and Satellite Facility with BRT

	2021	2022	2023	2024
Borrowing	2,000,000	38,350,317		
Federal		105,813,105		
Other Gov		50,000		
TIF Proceed		4,000,000		
TOTAL	\$2,000,000	\$148,213,422		

COMPLETE GREEN STREETS

Second Phase Complete Street Study

Develop a single decision-making framework aligning several city initiatives, including Complete Streets, [Green Streets](#), [Tree Canopy](#), and [Distributed Green Infrastructure](#)

Project Priority - 2

§ Citywide Element:

Land Use and Transportation

§ Strategy:

L&T 8. Expand City's Pedestrian and Bicycle Network

G&R 2. Improve Lake and Stream Water

G&R 6. Urban Tree Canopy

Total Budget

\$300,000

Prior Appropriation

\$160,000

*\$160 million with 2020 appropriation

+Project increase due to combining Metro Bus Purchases and Satellite Facility with BRT

	2021	2022	2023	2024
Borrowing	140,000			
TOTAL	140,000			

WATER UTILITY 2021 CAPITAL IMPROVEMENT PLAN

TOM HEIKKINEN



SUMMARY

2021 CIP Highlights

Major decrease in our 2021 CIP to reduce borrowing, increase reserves and improve financial metrics

Major Changes from 2020

Booster Pump Station #213 Lakeview Reconstruction Project moved from 2025/26 to 2024/25

Unit Well #15 Project moved from 2021-2025 to 2021

Unit Well #8 Reconstruction budget increased by \$4.2 m to include the full scope of the project and moved from start in 2025 to start in 2021

Added project Unit Well #23 Abandonment to CIP in 2021 (\$50k)

Water Utility Facility Improvements budget increase in years 2022-2025 due to planned facility upgrades

Unit Well #14 Mitigation Project moved from 2021 to 2022

Unit Well #19 Iron & Manganese Filter Project moved from 2021-2023 to 2022-2024

Reductions in Water Main Replace/Rehab/Improve Programs across all years (\$37.6 m)

WATER MAINS REPLACE REHAB IMPROVE – RECONSTRUCT STREETS

Program Description

- § 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.

Program Priority - 1

- § Citywide Element: Green and Resilient

- § **Strategy:** Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

2021 Planned Activities

- § Helena/Russell/Jenifer Streets, Starkweather Drive, Hill Crest Drive/Standish Court/Alden Drive, Davies Street/Major Avenue/Dempsey Road/Maher Avenue, Pontiac Trail/Nokomis Court/Rosewood Circle/Boston Court, and hydraulic improvements.

	2021	2022	2023	2024	2025	2026
Borrowing	\$1,848,000	\$392,000	\$593,000	\$1,662,000	\$1,169,000	\$2,917,000
Other						
TOTAL	\$1,848,000	\$392,000	\$593,000	\$1,662,000	\$1,169,000	\$2,917,000

WATER MAINS REPLACE REHAB IMPROVE – PAVEMENT MANAGEMENT

Program Description

- § Replace mains on streets identified by City Engineering for resurfacing.

Program Priority - 2

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

2021 Planned Projects

Old Middleton Road/Craig Avenue, West Washington Avenue, Kroenke Drive/Lanett Circle/Tanager Trail, North Brooks Street/Fahrenbrook Court/College Court, and hydraulic improvements.

	2021	2022	2023	2024	2025	2026
Borrowing	\$1,208,000	\$1,586,000	\$1,286,000	\$335,000	\$362,000	\$378,000
Other						
TOTAL	\$1,208,000	\$1,586,000	\$1,286,000	\$335,000	\$362,000	\$378,000

WATER MAINS REPLACE REHAB IMPROVE – PIPE LINING

Program Description

This program improves the quality and useful lives of existing pipes in the water network at a lower cost than complete replacement.

	2021	2022	2023	2024	2025	2026
Borrowing	\$1,110,000	\$983,000	\$1,111,000	\$1,036,000	\$1,077,000	\$1,419,000
Other						
TOTAL	\$1,110,000	\$983,000	\$1,111,000	\$1,036,000	\$1,077,000	\$1,419,000

Program Priority - 3

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

2021 Planned Projects

MWU Bypass Service System – Phase 2

Pontiac Trail/Rosewood Circle

Undistributed Citywide replacement of deteriorated mains

WATER MAINS REPLACE REHAB IMPROVE – NEW

Program Description

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.

	2021	2022	2023	2024	2025	2026
Borrowing	\$152,000	\$159,000	\$166,000	\$1,429,000	\$178,000	\$185,000
Other						
TOTAL	\$152,000	\$159,000	\$166,000	\$1,429,000	\$178,000	\$185,000

Program Priority - 4

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

2021 Planned Projects

Facility Pipeline Improvements and various unallocated system improvements.

WATER METER AND FIXED NETWORK SYSTEM PROGRAM

Program Description

- § This program funds the water meter and fixed network advanced metering infrastructure (AMI) improvements. The program identifies projects via the State Public Service Commission (PSC) requirement for a prescribed schedule of meter replacement and testing program.

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	\$500,000	\$513,000	\$526,000	\$539,000	\$552,000	\$566,000
TOTAL	\$500,000	\$513,000	\$526,000	\$539,000	\$552,000	\$566,000

Program Priority - 5

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

2021 Planned Projects

Replace/Set/Change all sizes of meters within our AMI system citywide based on our schedules.

WATER UTILITY VEHICLES AND EQUIPMENT PROGRAM

Program Description

This program funds the annual vehicle and equipment replacements as well as new vehicle and equipment purchases. Replacement is based on age and mileage of the vehicles and equipment.

Program Priority - 6

- § Citywide Element: Green and Resilient
- § Strategy: Increase the use and accessibility of energy efficiency upgrades and renewable energy.

2021 Planned Projects

- Replace W-33 and W-47
- Purchase new F250 for Lawn Crew
- Purchase used bucket truck from Traffic Engineering
- Upgrade Mapping and Survey Equipment
- Purchase new towable lift
- RP Valve, Speed Shore Replacement Box and Various large tools

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	\$344,000	\$521,000	\$246,000	\$539,000	\$256,000	\$557,000
TOTAL	\$344,000	\$521,000	\$246,000	\$539,000	\$256,000	\$557,000

WATER HYDRANT PROGRAM

Program Description

This program is for the annual raising, replacing and moving of water hydrants and maintaining reliable service for fire suppression.

Program Priority - 7

- § Citywide Element: Neighborhoods and Housing
- § Strategy: Create complete neighborhoods across the city where residents have access to transportation options and resources needed for daily living.

2021 Planned Projects

- § Replace hydrants citywide as identified.

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000
TOTAL	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000

UNIT WELL REHABILITATION PROGRAM

Program Description

This program funds the DNR suggested 10 year rotational unit well upgrade projects to ensure all unit wells are functioning at their highest efficiency level and reduce annual maintenance costs.

Program Priority - 8

§ Citywide Element: Green and Resilient

§ Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

2021 Planned Projects

Rehab UW #20

Rehab UW #24

Rehab UW #15

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	\$240,000	\$330,000	\$247,000	\$340,000	\$254,000	\$350,000
TOTAL	\$240,000	\$330,000	\$247,000	\$340,000	\$254,000	\$350,000

CHLORINATOR AND FLUORIDATOR PROGRAM

Program Description

This program rebuilds and replaces chlorinator and fluoridator equipment on a 10 year replacement cycle to reduce failures and interruptions in service for safe and reliable water.

Program Priority - 9

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

2021 Planned Projects

Replace/Upgrade chlorinators and fluoridators at MWU Unit Wells and Booster Pump Stations.

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	\$31,000	\$35,000	\$35,000	\$40,000	\$40,000	\$41,000
TOTAL	\$31,000	\$35,000	\$35,000	\$40,000	\$40,000	\$41,000

UNIT WELL #19 WATER QUALITY MITIGATION

Project Description

- This project is for a new iron, manganese, and radium treatment system at Well19 located on Lake Mendota Drive on the City's west side. The goal of this project is to improve water quality in the area. The project's scope includes a full system replacement that can meet water quality standards.

Total Budget

\$7,663,000

Prior Appropriation

\$966,000

	2021	2022	2023	2024	2025	2026
Borrowing		\$891,000	\$6,691,000	\$81,000		
Other						
TOTAL		\$891,000	\$6,691,000	\$81,000		

Project Priority - 10

- Citywide Element: Green and Resilient
- Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

UNIT WELL #15 PFAS MITIGATION

Project Description

This project is for evaluating options and identifying a cost-effective solution to address the east-side water supply issue caused by per- and polyfluoroalkyl substances (PFAS) at Unit Well #15. The goal of the project is to prepare the City to address an emerging water contaminate of public health concern and provide an adequate water supply that achieves water quality objectives

Total Budget

\$122,000

Prior Appropriation

\$0

	2021	2022	2023	2024	2025	2026
Borrowing	\$122,000					
Other						
TOTAL	\$122,000					

Project Priority - 11

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

UNIT WELL #14 NA AND CL MITIGATION

Project Description

This project funds improvements to reduce chloride concentration levels at Well 14. 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

Project Priority - 12

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe clean drinking water.

Total Budget

\$82,000

Prior Appropriation

\$0

	2021	2022	2023	2024	2025	2026
Borrowing		\$82,000				
Other						
TOTAL		\$82,000				

LAKEVIEW BOOSTER PUMP STATION #213 RECONSTRUCTION

Project Description

The Lakeview Booster Pumping Station is necessary to meet fire fighting requirements in Zone 5 and to accommodate the expansion of Zone 5. Pump capacity will be increased from 1,000 to 1,200 gpm. A generator will be added to ensure reliability of the pumping station.

Total Budget

\$2,226,000

Prior Appropriation

\$0

	2021	2022	2023	2024	2025	2026
Borrowing				\$188,000	\$1,161,000	
Other						
TOTAL				\$188,000	\$1,161,000	

Project Priority - 13

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

WATER UTILITY FACILITY IMPROVEMENTS PROGRAM

Program Description

This program funds repairs and security upgrades at Water Utility facilities and maintains facilities for reliable services while reducing the need for emergency repairs.

Program Priority - 14

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

2021 Planned Projects

SCADA and Fiber Optic System Upgrades
 Control, MCC & Instrumentation
 Replacement/Upgrades
 Deep Well VFD Installs
 Miscellaneous Facility Upgrades

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	\$417,000	\$1,167,000	\$1,152,000	\$1,119,000	\$1,153,000	\$1,187,000
TOTAL	\$417,000	\$1,167,000	\$1,152,000	\$1,119,000	\$1,153,000	\$1,187,000

WATER VALVE CUT-IN PROGRAM

Program Description

This program is for installing new valve cut-ins to the existing water infrastructure to eliminate areas of the city where water availability for customers is impacted during water system maintenance and repair.

Program Priority - 15

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

2021 Planned Projects

Install new valve cut-ins citywide as necessary depending on street related repairs and maintenance.

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	\$16,000	\$16,000	\$17,000	\$18,000	\$19,000	\$20,000
TOTAL	\$16,000	\$16,000	\$17,000	\$18,000	\$19,000	\$20,000

UNIT WELL #8 RECONSTRUCTION

Project Description

Iron and manganese levels at Well 8 require filtration upgrades. Well 8 also provides the opportunity to be a three zone well making it a valuable facility operationally. Treatment will allow Well 8 to become a year around well.

Project Priority - 16

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

Total Budget

\$11,949,000

Prior Appropriation

\$0

	2021	2022	2023	2024	2025	2026
Borrowing	\$120,000			\$88,000	\$1,778,000	\$2,292,000
Other						
TOTAL	\$120,000			\$88,000	\$1,778,000	\$2,292,000

UNIT WELL #12 CONVERSION TO A 2 ZONE WELL

Project Description

This project funds rebuilding and expanding Well 12 located on South Whitney Way to provide water supply capacity to five existing pressure zones which represents the majority of the City's west side.

Project Priority - 17

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

Total Budget

\$4,058,000

Prior Appropriation

\$0

	2021	2022	2023	2024	2025	2026
Borrowing			\$263,000	\$3,754,000	\$41,000	
Other						
TOTAL			\$263,000	\$3,754,000	\$41,000	

UNIT WELL #23 ABANDONMENT

Project Description

UW#23 has been out of service since 2017. This well has high levels of iron and manganese and leads to a high volume of calls for discolored water when used. It has recently tested high for PFAS.

Project Priority - 18

- § Citywide Element: Green and Resilient
- § Strategy: Protect Madison's water supply and infrastructure to provide safe, clean drinking water.

Total Budget

\$50,000

Prior Appropriation

\$0

	2021	2022	2023	2024	2025	2026
Borrowing						
Other	\$50,000					
TOTAL	\$50,000					