

CITY OF
SUN PRAIRIE
Wisconsin

2020-2024 Capital Improvement Plan

CITY OF SUN PRAIRIE

Directory of Officials

2019 - 2020



Mayor
Paul T. Esser



Al Guyant
Aldermanic District 4



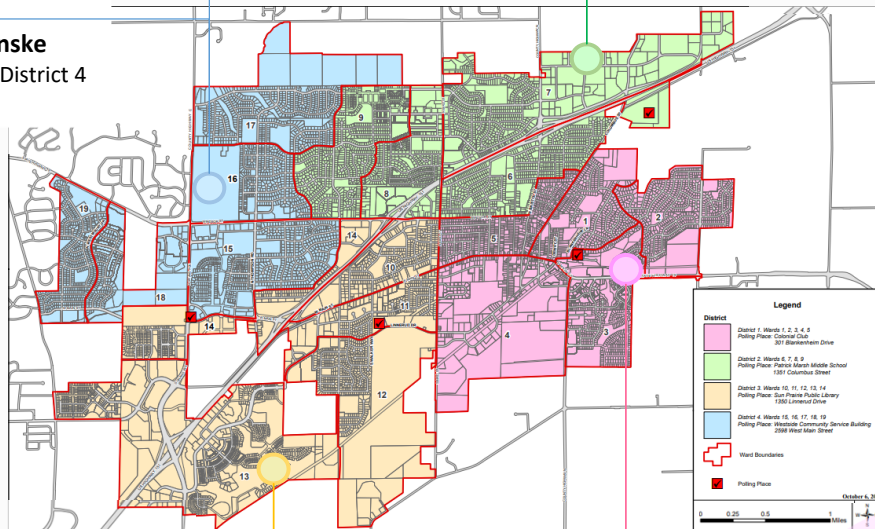
Mary Polenske
Aldermanic District 4



Bill Conners
Aldermanic District 2



Theresa Stevens
Aldermanic District 2



City Voting Districts, Wards, and Polling Places
Effective January 1, 2012



Maureen Crombie
Aldermanic District 3



Michael Jacobs
Aldermanic District 3



Emily Lindsey
Aldermanic District 1



Steve Stocker
Aldermanic District 1



CITY OF SUN PRAIRIE *Wisconsin*

Aaron Oppenheimer

City Administrator

Connie DeKemper

Director of Administrative Services

Kristin Vander Kooi

Finance Director

Andrew Pulvermacher

Budget Analyst

ADMINISTRATION

City Treasurer	Kristin Vander Kooi
City Assessor (contracted)	Tyler Technologies
City Clerk	Elena Hilby
Director of Public Services	Adam Schleicher
City Attorney	Mark Leonard
Director of Community Development	Scott Kugler
Sun Prairie Media Center Director	Jeffrey Robbins
Director of Building Inspection	Brian Flannery
Director of Public Works	Lee Igl
Director of Economic Development	Neil Stechschulte
EMS Chief	Brian Goff
Engineering Director	Tom Veith
Human Resources Director	Brenda Sukenik
Information Technology Director	Donald McDermott
Library Director	Svetha Hetzler
Parks & Recreation Director	Kristin Grissom
Planning Director	Tim Semmann, AICP
Police Chief (acting)	Brian Teasdale
Fire Chief	Christopher Garrison
WWTP Superintendent	Jeremy Cramer
Sun Prairie Utilities Manager	Rick Wicklund

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June 11, 2019

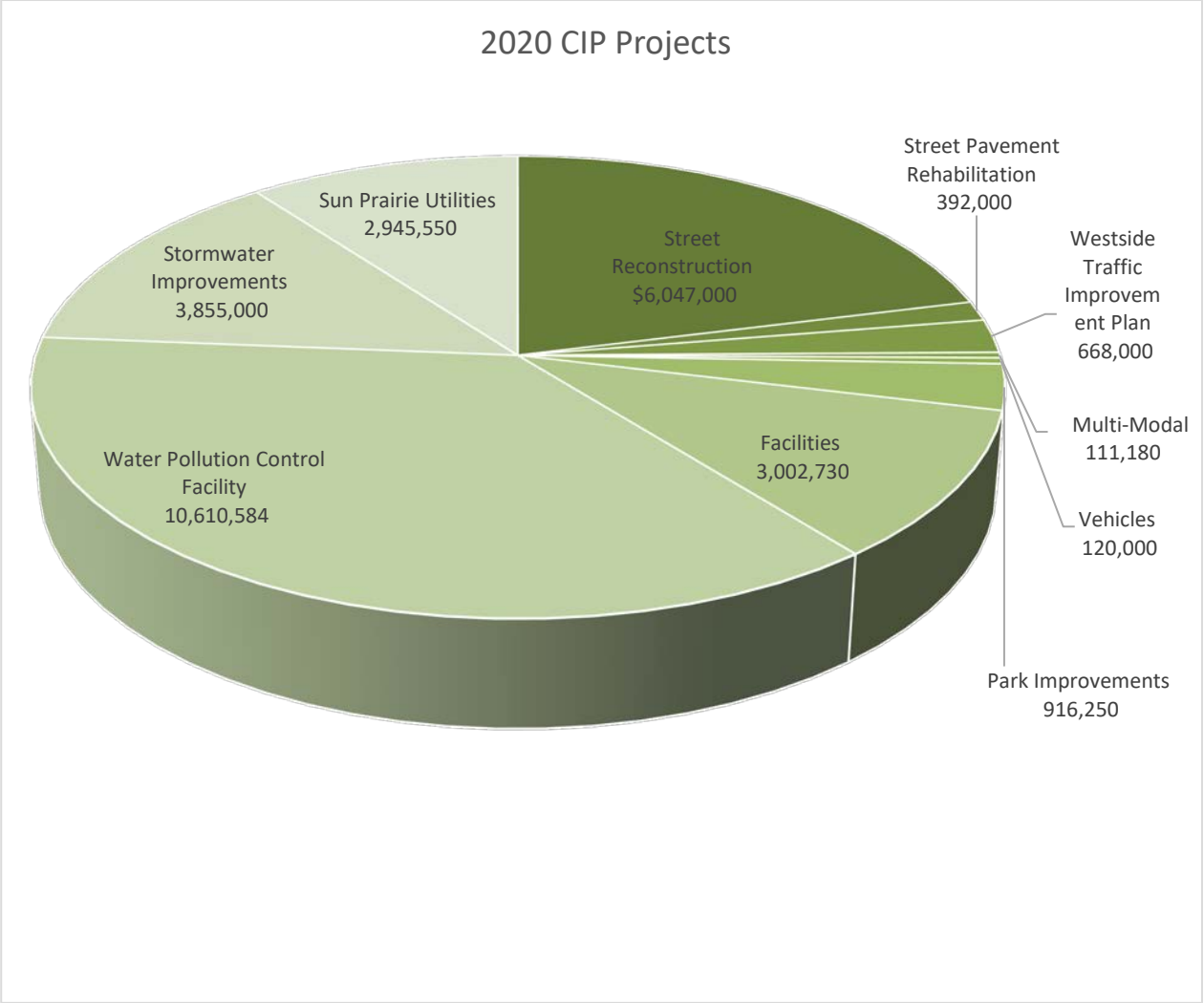
Honorable Mayor, Members of the City Council, and Citizens of Sun Prairie:

We are pleased to present to you the City of Sun Prairie's Five-Year Capital Improvement Plan for fiscal years 2020-2024 (CIP). This document identifies the strategic investments necessary to meet the City's goals. It is also intended to stimulate discussion to determine how the City can best allocate its limited resources to fund capital projects that will meet residents' needs and city standards.

Capital investments are critical in preserving our City's physical infrastructure, as well as deliver to our citizens the facilities and services they need. Capital investments provide safe neighborhoods, acceptable transportation corridors, sufficient wastewater treatment capacity, adequate parks, and quality recreation facilities.

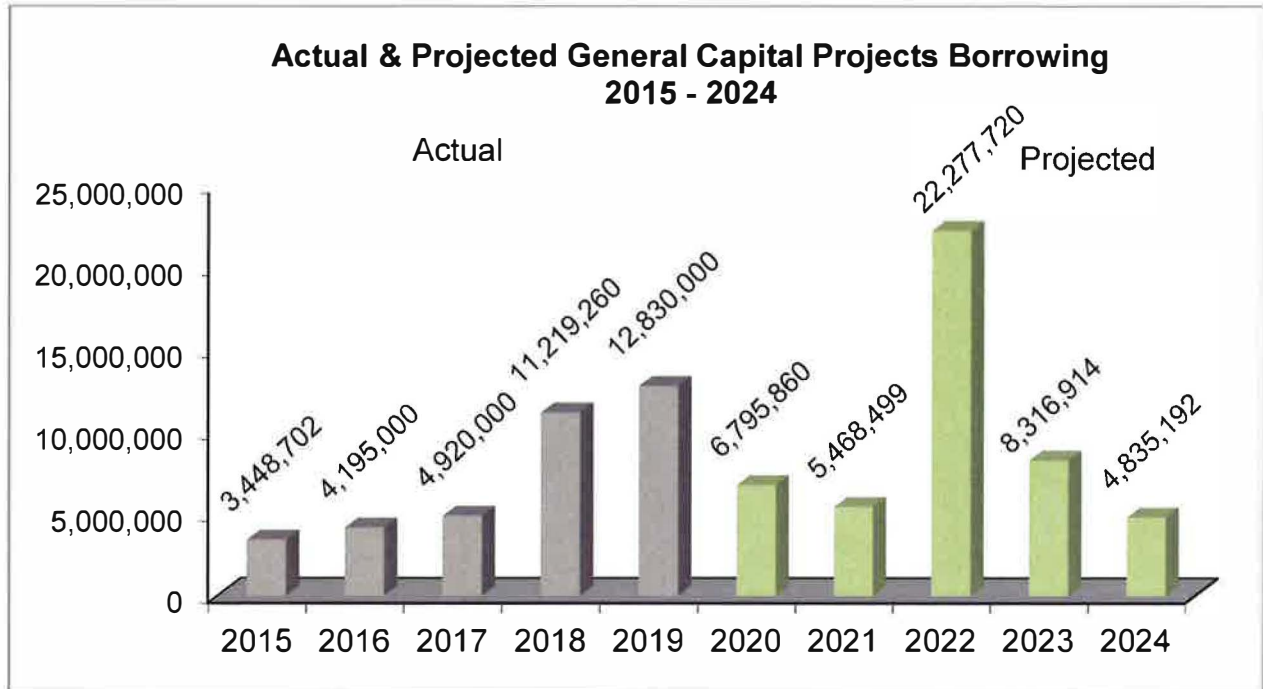
Throughout the planning process, a focus on financial integrity was maintained, as well as the preservation, maintenance, and improvements of the community's investment in buildings, vehicles, roads, utilities, parks, and equipment. Project priorities were assigned based upon need and funding sources. For example:

- Roadway initiatives for existing city streets comprise a significant portion of this plan. These initiatives range from total street reconstruction involving stormwater, waste water, and water main updates, to pavement rehabilitation projects involving new surface overlay to extend the life of the street.
- Parks and recreation initiatives that build, expand, and renovate existing community parks. Proposed initiatives will provide quality park lands and facilities for residents to enjoy their favorite sports and outdoor activities here in Sun Prairie.
- Building maintenance initiatives to update city facilities and make them more energy efficient. The plan includes initiatives to convert the Westside Community Building light fixtures to LED as well as install energy efficient equipment and fixtures when updating the City Hall bathrooms and constructing the Library Expansion.



This document reflects the continuation of an ongoing effort to align the CIP process with best practices and includes refinements in the CIP policy, procedures, and format. These efforts aim to ensure consistency and fairness in the planning process, and reaffirm the city’s commitment to long-term sustainability of our current assets as well as new improvements that accommodate growth.

The plan meets the city’s debt management policy (excluding the Library Expansion project). The metrics of the debt policy limits the total annual levy borrowing to \$5.5 million to not “exceed the total tax levy used for payment of abated general obligation debt above the 2017 budgeted debt service levy”, which is \$6.6 million.



The City coordinates the development of the annual CIP with the development of the operating budget. The inclusion of a project within the first year of the CIP (2019) shows a strong intent to include that project in the annual budget for that year. Inclusion of projects in the remaining four years also shows intent, but these projects are subject to annual review and modification in subsequent years.

This document was developed by the Finance Department with the assistance of all city departments. We want to thank all those involved in the development of the Capital Improvement Plan for their hard work and dedication.

Sincerely,

Aaron Oppenheimer, ICMA-CM
City Administrator

Kristin Vander Kooi
Finance Director

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CITY OF
SUN PRAIRIE
Wisconsin

Introduction

The City of Sun Prairie is committed to providing an annual Capital Improvement Plan (CIP) to aid in the decision making process for the annual budget and ensure the adequate acquisition, construction, maintenance, and improvements of capital assets. This document serves as a tool for determining the schedule of capital improvements and related financing. The CIP document outlines the City's intentions for improvements for the next five years to be used as a resource for residents, developers, intergovernmental partners and the business community. The CIP is a short and long-range plan for infrastructure development and investment in the City of Sun Prairie.

Goals of the CIP

The annual CIP is prepared with the guidance of the following goals:

- 1) Ensure that the City's annual capital budget and five-year capital improvement program is affordable and finances only necessary capital projects.
- 2) Enable informed capital investment decisions according to a fair, open, and objective process.
- 3) Emphasize the requirement for long-term planning.
- 4) Enhance the linkage between the capital and operating budgets.

City of Sun Prairie Mission Statement

To provide valuable, responsive, and cost-effective services that enable residents to enjoy a high quality of life.

City of Sun Prairie Vision Statement

We want to coordinate the development of a modern community that understands and has pride in its roots to the past. We want to help develop "homes" for the residents that live here, through the creation and maintenance of neighborhoods. Each neighborhood will be equal in importance but separate in its identity. Our school system will play a major factor in the development of the neighborhoods and will service as the community center. We want to help create harmony amongst all residents, where race and socio economic differences play no factor. We want everyone to feel that their personal safety is not at risk, whether they are at home or walking down the street.

- 5) Increase accountability by publishing a document that will identify individual projects to be funded during the capital-planning horizon.
- 6) Limit debt use to long-term capital improvements. Decrease reliance on debt in order to increase flexibility in difficult economic times.
- 7) Prioritize capital projects that have a high return on investment (ROI).
- 8) Prioritize capital projects that can be executed in a timely manner.

Relationship of the CIP to the Operating Budget

The City coordinates development of the annual CIP with the development of the operating budget. The inclusion of a project within the first year of the CIP shows a strong intent to include that project in the budget for that year. Inclusion of projects in the remaining four years also shows intent, but these projects are subject to annual review and modification in subsequent years. Funding for projects in the first year of the annual capital improvement budget is appropriated during the annual operating budget process. Future operating costs associated with new capital improvements or major equipment purchases are also projected and included in the operating budget as necessary.

CIP Development Process

The City Administrator and Director of Administrative Services initiate the CIP development process annually. Each Department manager maintains a schedule of current assets and develops the annual capital improvement budget for his or her respective department. Department managers are expected to base their requests on a long-term strategic plan that articulates the mission of their department and Department managers must update the plan annually. The Capital Improvement Plan Committee evaluates and scores capital projects to assist the Finance Department in preparation of the draft CIP to the Committee of the Whole. City policy requires the Committee of the Whole to act on the CIP by August 1st each year. When the final review of the annual CIP and budget is complete, the City Council approves the CIP.

Definition of Capital Expenditure

A capital improvement expenditure is defined as a planned activity that creates, improves, maintains, repairs or replaces a fixed asset; results in a permanent addition to the City's asset inventory valued at \$25,000 or greater; and has a useful life of more than 10 years. Project expenditures include all costs related to a project including, but not limited to, planning, engineering, legal, construction, inspection, and land acquisition expenses. Expenditures not meeting these criteria, or which have a useful life of less than the payback period of the funds to be borrowed, shall be included in the City's annual operating budget or equipment replacement program as applicable.

Departments and Project Worksheets

The CIP includes projects for the following departments/utilities:

Engineering	Parks	Fleet In-service
Public Works	Library	Wastewater Utility
Planning	Building Maintenance	Storm Water Utility
Public Safety	Information Technology	Sun Prairie Utilities

A project detail worksheet is provided for each initiative in the CIP. Each worksheet includes the name of the project, department, project number, brief description, justification, prioritization, project costs and funding sources and any other supporting photos or maps as necessary.

Project Prioritization

Capital project requests and needs typically exceed available financing, and therefore have to be prioritized. The Capital Improvement Plan Committee met to review and prioritize the capital projects through a prioritization matrix with criteria outlined in the City's CIP Policy. Once the individual projects were prioritized, the projects were grouped into the following categories based upon the overall CIP Committee scores.

- **Mandatory (1):** Project is mandated by Federal or State law, regulation, court order, municipal agreement, or contract or is an immediate health and safety issue that must be addressed.
- **High Priority (2):** Project is a likely health and safety issue or may significantly affect operations or services that the City must address, at a minimum, within the next two to three years. A City plan, policy, or code must also identify the project as a requirement.
- **Average Priority (3):** Project is highly desired, but is likely not a health or safety issue. The City should address this project at least within the next five years. A City plan, policy, or code may identify the project as a priority.
- **Fairy Low Priority (4):** Project is more desirable than necessary and could be deferred several years before becoming an average or high priority. A City plan, policy, or code does not identify the project.
- **Future Consideration (5):** Project is clearly a long-term request, which is not necessary within the six-year planning period. Project is included for illustrative purposes only.

Other factors may come into consideration when prioritizing projects. For example, there may be a specific funding source that can be used only for a particular type of project within a specific timeframe. One project may be an integral part of another project that needs to be completed. A project may result in more economical or efficient delivery of services therefore saving money in the future. Finally, a project may take advantage of opportunities that exist currently that may not be available in the future.

Estimates of available debt capacity define the boundaries for the total capital budget. The Capital Projects plan estimates needs for five years into the future. Debt capacity for new capital projects is affected by several factors such as the amount of outstanding bonds, new bonds that must be sold to finance existing projects during the budget year, projected cash flow and interest rates. The Finance Department, in coordination with the CIP Committee, reviewed all initiatives and determined whether they could be funded per the City's approved Debt Management Policy.

Capital Improvement Plan Financing

The financing of capital projects includes a variety of funding sources. The use of the following revenue sources are evaluated as part of the CIP process:

- Property Tax Levy
- User Fees and Charges
- Donations
- Fund Balance or Reserves
- Tax Incremental Financing
- Intergovernmental Funding
(County, neighboring jurisdiction)
- Impact Fees
- Special Assessments
- Retained Earnings
- Debt Issuance
- Grants

Fund Balances

While the majority of projects within the CIP identify the use of general obligation debt for project financing, some projects utilize other existing funds. For example, the City has an established Park Fund, Westside Traffic Impact Fee Fund, TIF Funds, and other supporting funds. These resources use various funding mechanisms and are evaluated during the development of the CIP.

City of Sun Prairie, Wisconsin

**RESOLUTION APPROVING
THE 2020-2024 CITY OF
SUN PRAIRIE FIVE YEAR
CAPITAL IMPROVEMENT PLAN**

Presented: October 1, 2019

Adopted: October 1, 2019

Resolution No.: 19/182

RESOLUTION

WHEREAS, on Tuesday, September 17, 2019 the Committee of the Whole met to consider the 2020-2024 City of Sun Prairie Five Year Capital Improvement Plan; and

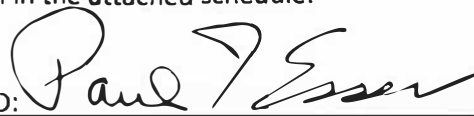
WHEREAS, the Committee has carefully examined the same and various items therein and found them to be true and correct and to properly represent the 2020-2024 capital improvement projects anticipated; and

WHEREAS, the City of Sun Prairie Capital Improvement Policy indicates that the adoption of the plan constitutes the primary basis upon which the annual capital budget is formulated. Adoption of the annual budget will authorize appropriation of the capital improvement projects; and

WHEREAS, after careful review and discussion, on September 17, 2019, the Committee of the Whole moved to recommend that the City Council adopt a resolution approving the City of Sun Prairie Five Year Capital Improvement Plan for the years 2020-2024 as set forth in the attached schedule.

NOW THEREFORE BE IT RESOLVED, by the Common Council of the City of Sun Prairie, Dane County, Wisconsin, hereby approves the City of Sun Prairie, Dane County, Wisconsin Five Year Capital Improvement Plan for the years 2020-2024 as set forth in the attached schedule.

APPROVED:



Paul T. Esser, Mayor

Date Approved: October 1, 2019

Date Signed: October 4, 2019

This is to certify that the foregoing resolution was approved by the Common Council of the City of Sun Prairie at a meeting held on the 1st day of October 2019, and submitted for signatures on the 3rd day of October, 2019.



Elena Hilby, City Clerk

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CAPITAL IMPROVEMENT PLAN
SUMMARY OF 2020-2024 CAPITAL PROJECT PLANS

	2020	2021	2022	2023	2024	Total
Funding Sources						
General Obligation Debt						
City ¹	\$ 7,163,380	\$ 5,059,499	\$ 15,729,320	\$ 2,256,914	\$ 4,835,192	\$ 35,044,305
TIF District	1,104,700	1,130,892	112,900	-	-	2,348,492
Fleet Inservice Fund	65,600	622,200	1,225,000	816,000	102,000	2,830,800
Water Pollution Control Facility	181,800	1,233,200	-	1,542,200	-	2,957,200
Stormwater	-	628,300	-	693,600	-	1,321,900
Sun Prairie Utility	765,000	2,035,900	484,500	742,600	-	4,028,000
State Trust Fund Loan	-	-	-	3,000,000	-	3,000,000
Clean Water Fund Loan(Revenue)	9,087,584	4,712,838	22,458	-	-	13,822,880
Grants & Donations	207,907	-	-	-	-	207,907
Traffic Impact Fee	110,093	63,049	802,980	150,286	239,902	1,366,310
Park Fund Fees	765,000	404,900	405,000	295,000	75,000	1,944,900
Retained Earnings ²	10,792,750	5,816,216	5,324,638	2,462,868	5,547,856	29,944,328
Debt Proceeds Available	-	-	-	-	-	-
Total Funding Sources	\$ 30,243,814	\$ 21,706,994	\$ 24,106,796	\$ 11,959,468	\$ 10,799,950	\$ 98,817,022
Proposed Capital Projects						
Public Works						
Street Reconstruction	\$ 6,250,000	\$ 3,696,000	\$ 6,234,000	\$ 3,995,000	\$ 5,199,000	\$ 25,374,000
Street Pavement Rehabilitation	392,000	1,685,000	876,000	2,535,000	804,000	6,292,000
Westside Traffic Improvement Plan	668,000	106,000	1,350,000	328,350	372,114	2,824,464
Multi-Modal	382,000	197,640	-	250,000	306,980	1,136,620
Vehicles	119,500	610,000	1,303,650	800,000	-	2,833,150
Park Improvements	916,250	491,700	603,500	222,750	181,200	2,415,400
Facilities	3,139,730	610,600	10,260,000	200,000	100,000	14,310,330
Water Pollution Control Facility	10,685,584	9,526,838	1,342,458	1,284,000	1,785,000	24,623,880
Stormwater Improvements	4,580,000	1,300,000	200,000	200,000	415,000	6,695,000
Sun Prairie Utilities	2,750,550	3,273,216	1,592,988	1,966,868	1,539,856	11,123,478
Debt Issuance Costs	361,200	210,000	344,200	177,500	96,800	1,189,700
Total Capital Projects	\$ 30,243,814	\$ 21,706,994	\$ 24,106,796	\$ 11,959,468	\$ 10,799,950	\$ 98,817,022

¹Includes State Trust Fund Loan

²Includes Clean Water Fund Loan in Years 2021 and 2022

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CAPITAL IMPROVEMENT PLAN
PROJECT COSTS 2020

			2020 PROJECT ESTIMATE	PROJECT COSTS					FUNDING SOURCES				2020 Borrowing	BORROWING	
Committee				City Allocation	TIF District	Fleet Replace Fund	Water Pollution Control Fund	Storm- Water Fund	Sun Prairie Utilities	Traffic Impact Fees	Park Fund	Grant/ Donation Fees		Retained Earnings	Levy Funded
Proj #	Priority	Project Name													
Street Reconstruction															
206055	3	Buena Vista, Beech & Conrad Alley Reconstruction	2,018,000	1,156,000	-	-	94,000	100,000	668,000	-	-	-	862,000	1,156,000	1,156,000
206063	3	Crossing Ridge & Grandview Reconstruction	2,875,000	1,811,000	-	-	17,000	523,000	524,000	-	-	-	1,064,000	1,811,000	1,811,000
206058	3	Borings for 2021 Street Reconstruction Design	20,000	20,000	-	-	-	-	-	-	-	-	-	20,000	20,000
206064	3	Jerico Lane Reconstruction	1,337,000	1,063,000	-	-	2,000	270,000	2,000	-	-	-	274,000	1,063,000	1,063,000
Street Pavement Rehab															
176018	3	Concrete Road Repair - Various	35,000	35,000	-	-	-	-	-	-	-	-	-	35,000	35,000
206024	3	Old Indian Mound Trail, Sumter Pavement Rehab	357,000	329,000	-	-	14,000	6,000	8,000	-	-	-	28,000	329,000	329,000
Westside Traffic Improvement Plan															
206061	3	S. Thompson Road Reconstruction	668,000	300,000	-	-	5,000	183,000	180,000	110,093	-	189,907	368,000	-	-
Multi-Modal															
206052	3	N. Bristol Street Multi-use Path Replacement	100,000	100,000	-	-	-	-	-	-	-	-	-	100,000	100,000
204008	2	Trail Connection Design	42,000	42,000	-	-	-	-	-	-	-	-	-	42,000	42,000
206060	3	HAWK Pedestrian Crossing	240,000	240,000	-	-	-	-	-	-	-	-	-	240,000	240,000
Vehicles															
207302	3	Hot Box Trailer	35,000	-	-	35,000	-	-	-	-	-	-	-	35,000	-
207403	3	Lawn Sweeper	35,000	-	-	23,300	-	11,700	-	-	-	-	11,700	23,300	-
207512	3	Assistant Chief of Police Vehicle	49,500	49,500	-	-	-	-	-	-	-	-	-	49,500	49,500
Park Improvements															
164001	3	Skate Park Additions	205,000	205,000	-	-	-	-	-	-	205,000	-	-	-	-
191707	3	Splash Pad & Restrooms	525,000	525,000	-	-	-	-	-	-	525,000	-	-	-	-
202009	3	Vandenburg Heights Park Playground Replacement	56,750	56,750	-	-	-	-	-	-	-	-	-	56,750	56,750
204007	3	Sunny Valley Park Playground Replacement	31,000	31,000	-	-	-	-	-	-	-	-	-	31,000	31,000
204011	2	West Prairie Village Playground	35,000	35,000	-	-	-	-	-	-	35,000	-	-	-	-
204012	3	Sheehan East Park upper parking lot replacement	63,500	63,500	-	-	-	-	-	-	-	-	-	63,500	63,500
Facilities															
171102	3	City Hall Bathroom Updates	110,000	110,000	-	-	-	-	-	-	-	-	-	110,000	110,000
191305	3	Public Works Campus	585,000	585,000	-	-	-	-	-	-	-	-	-	585,000	585,000
201012	2	Municipal Parking Lot Construction	1,083,000	-	1,083,000	-	-	-	-	-	-	-	-	1,083,000	-
201104	2	Network Cabling Replacement Project	200,000	187,500	-	6,000	6,000	500	-	-	-	-	6,500	193,500	187,500
201114	2	City Hall Breakroom Renovation	37,000	37,000	-	-	-	-	-	-	-	-	-	37,000	37,000
201508	2	Library Expansion	992,000	992,000	-	-	-	-	-	-	-	-	-	992,000	992,000
201509	3	Teen Space Update	50,730	50,730	-	-	-	-	-	-	-	18,000	-	32,730	32,730
202001	1	Record Management System	82,000	82,000	-	-	-	-	-	-	-	-	-	82,000	82,000
Water Pollution Control Facility ¹															
168101	2	Clearwater Reduction From Sewer System	200,000	-	-	-	200,000	-	-	-	-	-	200,000	-	-
208104	3	Koshkonong Creek Dredging	500,000	-	-	-	75,000	425,000	-	-	-	-	500,000	-	-
168102	1	Phosphorous Treatment and Plant Capacity Upgrades	9,087,584	-	-	-	9,087,584	-	-	-	-	-	-	9,087,584	-
208101	3	Sewer TV Inspection Equipment & Software	300,000	-	-	-	300,000	-	-	-	-	-	300,000	-	-
208102	3	Sewer Lateral Lining	672,000	-	-	-	672,000	-	-	-	-	-	672,000	-	-
208103	2	Sewer Main Lining	351,000	-	-	-	351,000	-	-	-	-	-	351,000	-	-



CAPITAL IMPROVEMENT PLAN
PROJECT COSTS 2020

			2020 PROJECT ESTIMATE	PROJECT COSTS					FUNDING SOURCES				2020 Borrowing	BORROWING	
Committee				City Allocation	TIF District	Fleet Replace Fund	Water Pollution Control Fund	Storm- Water Fund	Sun Prairie Utilities	Traffic Impact Fees	Park Fund	Grant/ Donation Fees		Retained Earnings	Levy Funded
Proj #	Priority	Project Name													
Stormwater Utility															
208531	3	Skid Steer Loader	55,000	-	-	-	-	55,000	-	-	-	-	55,000	-	
208533	3	TMDL - Water Quality Projects	200,000	-	-	-	-	200,000	-	-	-	-	200,000	-	
208534	3	Smith's Crossing - Pond Construction	300,000	-	-	-	-	300,000	-	-	-	-	300,000	-	
168530	3	NW Koshkonong Facility	3,100,000	-	-	-	-	3,100,000	-	-	-	-	3,100,000	-	
208530	3	S Koshkonong Facility	500,000	-	-	-	-	500,000	-	-	-	-	500,000	-	
Sun Prairie Utility															
185001	1	Automatic Meter Reading System	500,000	-	-	-	-	-	500,000	-	-	-	500,000	-	
195004	2	LED System Street Lighting Upgrades	30,000	-	-	-	-	-	30,000	-	-	-	30,000	-	
195007	2	Construct Well #10	750,000	-	-	-	-	-	750,000	-	-	-	-	750,000	
205001	2	SCADA System Upgrades	100,000	-	-	-	-	-	100,000	-	-	-	100,000	-	
205003	3	Electric Outage Management System	144,000	-	-	-	-	-	144,000	-	-	-	144,000	-	
205004	3	Skidsteer Loader w/Tracks	65,000	-	-	-	-	-	65,000	-	-	-	65,000	-	
205005	3	Ford F350 Replacement-Vehicle 33	60,000	-	-	-	-	-	60,000	-	-	-	60,000	-	
205006	3	Ford Ranger Replacement - Vehicle 34	35,000	-	-	-	-	-	35,000	-	-	-	35,000	-	
205007	1	Electric-System Additions	1,066,550	-	-	-	-	-	1,066,550	-	-	-	1,066,550	-	
DEBT		Debt Issuance Costs	361,200	140,400	21,700	2,300	181,800	-	15,000	-	-	-	-	361,200	
TOTAL CAPITAL IMPROVEMENT PLAN			\$ 30,243,814	\$ 8,246,380	\$ 1,104,700	\$ 65,600	\$ 11,005,384	\$ 5,674,200	\$ 4,147,550	\$ 110,093	\$ 765,000	\$ 207,907	\$ 10,792,750	18,368,064	\$ 7,163,380

¹Please see the [WPCF Equipment Replacement Plan](#) in the [WPCF Budget](#) for a full listing of equipment replacement



CAPITAL IMPROVEMENT PLAN
PROJECT COSTS 2021

			2021 PROJECT ESTIMATE	PROJECT COSTS					FUNDING SOURCES				2021 Borrowing	BORROWING	
Committee				City Allocation	TIF District	Fleet Replace Fund	Water Pollution Control Fund	Storm- Water Fund	Sun Prairie Utilities	Traffic Impact Fees	Park Fund	Grant/ Donation Fees		Retained Earnings	Levy Funded
Proj #	Priority	Project Name													
Street Reconstruction															
206057	3	Miller Street and Trapp Street Reconstruction	1,226,000	940,000	-	-	7,000	130,000	149,000	-	-	-	149,000	1,077,000	940,000
216056	3	Bristol St & Lane St Road Improvements	1,600,000	1,181,000	-	-	102,000	16,000	301,000	-	-	-	301,000	1,299,000	1,181,000
216057	3	Juniper Street Reconstruction	870,000	442,000	-	-	26,000	127,000	275,000	-	-	-	275,000	595,000	442,000
Street Pavement Rehab															
216037	3	Castle/Fountain/Sapphire/Rustic/Oconto Rehab	640,000	603,000	-	-	22,000	4,000	11,000	-	-	-	15,000	625,000	603,000
216058	3	Dewey, Chase & Blankenheim Pavement Rehabilitation	1,010,000	830,000	-	-	34,000	143,000	3,000	-	-	-	3,000	1,007,000	830,000
176018	3	Concrete Road Repair - Various	35,000	35,000	-	-	-	-	-	-	-	-	-	35,000	35,000
Westside Traffic Improvement Plan															
206070	1	Grand-Hoepker Intersection Expansion	106,000	97,308	8,692	-	-	-	-	63,049	-	-	-	42,951	34,259
Multi-Modal															
214009	3	Uplands-Carriage Hill Estates Park Trail Link	87,000	87,000	-	-	-	-	-	-	-	-	-	87,000	87,000
216051	3	Commercial Avenue Multi-use Path Replacement	110,640	110,640	-	-	-	-	-	-	-	-	-	110,640	110,640
Vehicles															
217301	3	Motor Grader	300,000	-	-	300,000	-	-	-	-	-	-	-	300,000	-
217302	3	Wheeled End Loader	255,000	-	-	255,000	-	-	-	-	-	-	-	255,000	-
217303	3	Flatbed Dump Truck with Plow	55,000	-	-	55,000	-	-	-	-	-	-	-	55,000	-
Park Improvements															
214003	3	Reserve Plat Dog Park Fencing	40,000	40,000	-	-	-	-	-	-	40,000	-	-	-	-
214005	3	Grandview Park Playground Replacement	32,000	32,000	-	-	-	-	-	-	-	-	-	32,000	32,000
214008	3	Reserve Subdivision Playground	35,000	35,000	-	-	-	-	-	-	35,000	-	-	-	-
214011	3	Wetmore Park Shelter	250,000	250,000	-	-	-	-	-	-	250,000	-	-	-	-
214012	3	West Prairie Village Shelter	45,000	45,000	-	-	-	-	-	-	45,000	-	-	-	-
214013	3	Birkinbine Playground Replacement	28,000	28,000	-	-	-	-	-	-	-	-	-	28,000	28,000
214015	3	Smith's Crossing (McCoy Addition) Playground	35,000	35,000	-	-	-	-	-	-	35,000	-	-	-	-
224005	3	Pheasant Run Park Playground Replacement	26,700	26,700	-	-	-	-	-	-	-	-	-	26,700	26,700
Facilities															
211104	3	City Hall Elevator Modernization	80,000	80,000	-	-	-	-	-	-	-	-	-	80,000	80,000
211106	3	2nd Floor Cubical Reconfiguration	172,000	172,000	-	-	-	-	-	-	-	-	-	172,000	172,000
211203	3	WSCS Building LED Conversion	150,000	150,000	-	-	-	-	-	-	-	-	-	150,000	150,000
212002	3	EnerGov Software	101,000	101,000	-	-	-	-	-	-	-	-	-	101,000	101,000
212001	3	Automated Sorter Replacement	107,600	107,600	-	-	-	-	-	-	-	-	-	107,600	107,600



CAPITAL IMPROVEMENT PLAN
PROJECT COSTS 2021

			2021 PROJECT ESTIMATE	PROJECT COSTS					FUNDING SOURCES				2021 Borrowing	BORROWING	
				City	TIF	Fleet	Water	Storm-	Sun	Traffic	Park	Grant/		Retained	Levy
Proj #	Priority	Project Name		Allocation	District	Replace	Pollution	Water	Prairie	Impact	Fund	Donation		Earnings	Funded
					Fund	Control Fund	Fund	Utilities	Fees		Fees				
Water Pollution Control Facility ¹															
168101	2	Clearwater Reduction From Sewer System	200,000	-	-	-	200,000	-	-	-	-	-	200,000	-	-
168102	1	Phosphorous Treatment and Plant Capacity Upgrades	7,412,838	-	-	-	7,412,838	-	-	-	-	-	7,412,838	-	-
217704	3	Replace Flat Bed Truck and Hoist	38,000	-	-	-	38,000	-	-	-	-	-	38,000	-	-
218113	1	Replace W3 Pump Controls	70,000	-	-	-	70,000	-	-	-	-	-	70,000	-	-
218117	1	Replace Biosolids Conveyor	58,000	-	-	-	58,000	-	-	-	-	-	58,000	-	-
218118	1	Replace SCADA System Wiring & PLCs	75,000	-	-	-	75,000	-	-	-	-	-	75,000	-	-
218119	3	Replace New Holland Tractor	25,000	-	-	-	25,000	-	-	-	-	-	25,000	-	-
218121	3	Replace Wheeled End Loader	220,000	-	-	-	220,000	-	-	-	-	-	220,000	-	-
218124	1	Replace #4 Raw Wastewater Pump	90,000	-	-	-	90,000	-	-	-	-	-	90,000	-	-
218126	1	Replace Primary Tank Collectors	100,000	-	-	-	100,000	-	-	-	-	-	100,000	-	-
218135	3	Upgrade Shonas Lift Station	90,000	-	-	-	90,000	-	-	-	-	-	90,000	-	-
208103	2	Sewer Main Lining	400,000	-	-	-	400,000	-	-	-	-	-	-	400,000	-
218136	3	Sewer Lateral Lining	618,000	-	-	-	618,000	-	-	-	-	-	-	618,000	-
228106	1	Replace Filter Building Heat/Venting System	50,000	-	-	-	50,000	-	-	-	-	-	50,000	-	-
238102	1	Replace Heating/Venting System w/ Controls	80,000	-	-	-	80,000	-	-	-	-	-	80,000	-	-
Stormwater Utility															
198533	3	TID 12 Regional Stormwater Facility	1,100,000	-	1,100,000	-	-	-	-	-	-	-	-	1,100,000	-
208533	3	TMDL - Water Quality Projects	200,000	-	-	-	-	200,000	-	-	-	-	-	200,000	-
Sun Prairie Utility															
185002	3	Business Park Substation Expansion	2,106,000	-	-	-	-	-	2,106,000	-	-	-	110,000	1,996,000	-
195004	2	LED System Street Lighting Upgrades	30,000	-	-	-	-	-	30,000	-	-	-	30,000	-	-
205007	1	Electric-System Additions	1,077,216	-	-	-	-	-	1,077,216	-	-	-	1,077,216	-	-
215001	3	Ford F350 Replacement - Vehicle 35	60,000	-	-	-	-	-	60,000	-	-	-	60,000	-	-
DEBT		Debt Issuance Costs	210,000	99,300	22,200	12,200	24,200	12,300	39,900	-	(100)	-	-	210,000	99,300
TOTAL CAPITAL IMPROVEMENT PLAN			\$ 21,706,994	\$ 5,527,548	\$ 1,130,892	\$ 622,200	\$ 9,742,038	\$ 632,300	\$ 4,052,116	\$ 63,049	\$ 404,900	\$ -	\$ 10,529,054	10,709,891	\$ 5,059,499

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CAPITAL IMPROVEMENT PLAN
PROJECT COSTS 2022

			2022 PROJECT ESTIMATE	PROJECT COSTS					FUNDING SOURCES				2022 Borrowing	BORROWING	
Committee				City Allocation	TIF District	Fleet Replace Fund	Water Pollution Control Fund	Storm- Water Fund	Sun Prairie Utilities	Traffic Impact Fees	Park Fund	Grant/ Donation Fees		Retained Earnings	Levy Funded
Proj #	Priority	Project Name													
Street Reconstruction															
226013	3	Summit, Maynard, Robert & William Rd Improvements	3,261,000	1,936,000	-	-	113,000	418,000	794,000	-	-	-	1,325,000	1,936,000	1,936,000
246001	3	Lincoln/Maynard/Paul/Woodland Street Recon	2,973,000	1,752,000	-	-	112,000	327,000	782,000	-	-	-	1,221,000	1,752,000	1,752,000
Street Pavement Rehab															
216039	3	Effingham/Insbrooke/Broadway Rehab	696,000	663,000	-	-	21,000	5,000	7,000	-	-	-	33,000	663,000	663,000
226031	3	Craftsman Way Pavement Rehabilitation	180,000	175,000	-	-	3,000	1,000	1,000	-	-	-	5,000	175,000	175,000
Westside Traffic Improvement Plan															
206070	3	Grand-Hoepker Intersection Expansion	1,350,000	1,239,300	110,700	-	-	-	-	802,980	-	-	-	547,020	436,320
Vehicles															
227301	3	Wheeled End Loader with plow and wing	262,650	-	-	160,000	-	102,650	-	-	-	-	102,650	160,000	-
227302	3	Patrol Truck	241,000	-	-	241,000	-	-	-	-	-	-	-	241,000	-
227606	3	Ladder Truck Replacement	800,000	-	-	800,000	-	-	-	-	-	-	-	800,000	-
Park Improvements															
214006	3	Royal Oaks Park Playground Replacement	40,000	40,000	-	-	-	-	-	-	-	-	-	40,000	40,000
204003	3	Reserve Plat Park Parking Lot	120,000	120,000	-	-	-	-	-	-	-	-	-	120,000	120,000
224001	3	Reserve Plat Park Shelter	325,000	325,000	-	-	-	-	-	-	325,000	-	-	-	-
224014	2	Habitat for Humanity Playground	35,000	35,000	-	-	-	-	-	-	35,000	-	-	-	-
224015	3	Smith's Crossing (McCoy Addition) Shelter	45,000	45,000	-	-	-	-	-	-	45,000	-	-	-	-
224016	3	Stonehaven Park Playground Replacement	38,500	38,500	-	-	-	-	-	-	-	-	-	38,500	38,500
Facilities															
201508	3	Library Expansion	10,000,000	10,000,000	-	-	-	-	-	-	-	-	-	10,000,000	10,000,000
212002	3	EnerGov Software	80,000	80,000	-	-	-	-	-	-	-	-	-	80,000	80,000
221602	3	Fire/EMS East Roof Replacement	180,000	180,000	-	-	-	-	-	-	-	-	-	180,000	180,000
Water Pollution Control Facility ¹															
168101	2	Clearwater Reduction From Sewer System	200,000	-	-	-	200,000	-	-	-	-	-	200,000	-	-
168102	1	Phosphorous Treatment and Plant Capacity Upgrades	22,458	-	-	-	22,458	-	-	-	-	-	22,458	-	-
218101	3	Upgrade Hickory Grove Lift Station	90,000	-	-	-	90,000	-	-	-	-	-	90,000	-	-
208103	2	Sewer Main Lining	400,000	-	-	-	400,000	-	-	-	-	-	400,000	-	-
228107	3	Sewer Lateral Lining	630,000	-	-	-	630,000	-	-	-	-	-	630,000	-	-
Stormwater Utility															
208533	3	TMDL - Water Quality Projects	200,000	-	-	-	-	200,000	-	-	-	-	200,000	-	-
Sun Prairie Utility															
195004	2	LED System Street Lighting Upgrades	30,000	-	-	-	-	-	30,000	-	-	-	30,000	-	-
205007	1	Electric-System Additions	1,087,988	-	-	-	-	-	1,087,988	-	-	-	1,087,988	-	-
225001	3	Construct Pressure Relief Valve #2	475,000	-	-	-	-	-	475,000	-	-	-	-	475,000	-
DEBT		Debt Issuance Costs	344,200	308,500	2,200	24,000	-	-	9,500	-	-	-	-	344,200	308,500
TOTAL CAPITAL IMPROVEMENT PLAN			\$ 24,106,796	\$ 13,249,300	\$ 112,900	\$ 1,225,000	\$ 1,366,458	\$ 308,650	\$ 1,610,488	\$ 802,980	\$ 405,000	\$ -	\$ 5,347,096	17,551,720	\$ 15,729,320

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CAPITAL IMPROVEMENT PLAN
PROJECT COSTS 2023

			2023 PROJECT ESTIMATE	PROJECT COSTS					FUNDING SOURCES				2023 Borrowing	BORROWING	
Proj #	Committee Priority	Project Name		City Allocation	TIF District	Fleet Replace Fund	Water Pollution Control Fund	Storm- Water Fund	Sun Prairie Utilities	Traffic Impact Fees	Park Fund	Grant/ Donation Fees		Retained Earnings	Levy Funded
Street Reconstruction															
236003	3	Colorado Avenue & Walmar Drive Reconstruction	2,191,000	1,206,000	-	-	15,000	184,000	786,000	-	-	-	786,000	1,405,000	1,206,000
216035	3	Emerald, Coral, Ivory & Diamond Road Improvements	1,804,000	981,000	-	-	127,000	290,000	406,000	-	-	-	406,000	1,398,000	981,000
Street Pavement Rehab															
226023	3	O'Keeffe & Linnerud Pavement Rehab & Clarmar SW	648,000	636,000	-	-	4,000	4,000	4,000	-	-	-	4,000	644,000	636,000
226029	3	Stonehaven/Boulder/Kuhle/Terrace/Pebblebrook Rehab	760,000	729,000	-	-	21,000	1,000	9,000	-	-	-	9,000	751,000	729,000
236008	3	N. Bird Street Pavement Rehabilitation	669,000	606,000	-	-	61,000	1,000	1,000	-	-	-	1,000	668,000	606,000
236012	3	St. Albert the Great & Stonehaven Drive Pave Rehab	458,000	440,000	-	-	10,000	3,000	5,000	-	-	-	18,000	440,000	440,000
Westside Traffic Improvement Plan															
236020	2	Rattman-Main Traffic Signals	328,350	328,350	-	-	-	-	-	150,286	-	-	-	178,064	178,064
Multi-Modal															
234003	3	Sheehan Park - Scenic Point Trail Link	250,000	250,000	-	-	-	-	-	-	250,000	-	-	-	-
Vehicles															
227606	3	Ladder Truck Replacement	800,000	-	-	800,000	-	-	-	-	-	-	-	800,000	-
Park Improvements															
224006	3	Cardinal Crest Park Playground Replacement	33,500	33,500	-	-	-	-	-	-	-	-	-	33,500	33,500
232001	3	Memorial Park Playground Replacement	31,750	31,750	-	-	-	-	-	-	-	-	-	31,750	31,750
232002	3	Glacier Crossing Playground Replacement	25,000	25,000	-	-	-	-	-	-	-	-	-	25,000	25,000
234004	3	Habitat for Humanity Shelter	45,000	45,000	-	-	-	-	-	-	45,000	-	-	-	-
234005	3	Sheehan East Park lower parking lot rehabilitation	87,500	87,500	-	-	-	-	-	-	-	-	-	87,500	87,500
Facilities															
201508	2	Library Expansion	-	-	-	-	-	-	-	-	-	-	-	-	-
232003	2	Cardiac Monitors	160,000	160,000	-	-	-	-	-	-	-	-	-	160,000	160,000
231202	3	WSCS Building Flooring Replacement	40,000	40,000	-	-	-	-	-	-	-	-	-	40,000	40,000
Water Pollution Control Facility ¹															
238101	3	Upgrade Business Park Lift Station	60,000	-	-	-	60,000	-	-	-	-	-	-	60,000	-
208103	2	Sewer Main Lining	400,000	-	-	-	400,000	-	-	-	-	-	-	400,000	-
168101	2	Clearwater Reduction From Sewer System	200,000	-	-	-	200,000	-	-	-	-	-	-	200,000	-
238104	3	Sewer Lateral Lining	624,000	-	-	-	624,000	-	-	-	-	-	-	624,000	-
Stormwater Utility															
208533	3	TMDL - Water Quality Projects	200,000	-	-	-	-	200,000	-	-	-	-	-	200,000	-
Sun Prairie Utility															
185002	3	Business Park Substation Expansion	728,000	-	-	-	-	-	728,000	-	-	-	-	728,000	-
195004	2	LED System Street Lighting Upgrades	30,000	-	-	-	-	-	30,000	-	-	-	30,000	-	-
205007	1	Electric-System Addtions	1,098,868	-	-	-	-	-	1,098,868	-	-	-	1,098,868	-	-
235001	3	John Deere 310 SJ Backhoe Loader Replacement-Veh21	110,000	-	-	-	-	-	110,000	-	-	-	110,000	-	-
DEBT		Debt Issuance Costs	177,500	103,100	-	16,000	30,200	13,600	14,600	-	-	-	-	177,500	103,100
TOTAL CAPITAL IMPROVEMENT PLAN			\$ 11,959,468	\$ 5,702,200	\$ -	\$ 816,000	\$ 1,552,200	\$ 696,600	\$ 3,192,468	\$ 150,286	\$ 295,000	\$ -	\$ 2,462,868	9,051,314	\$ 5,256,914

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CAPITAL IMPROVEMENT PLAN
PROJECT COSTS 2024

			2024 PROJECT ESTIMATE	PROJECT COSTS					FUNDING SOURCES				2024 Borrowing	BORROWING	
Department Proj #	Priority	Project Name		City Allocation	TIF District	Fleet Replace Fund	Water Pollution Control Fund	Storm- Water Fund	Sun Prairie Utilities	Traffic Impact Fees	Park Fund	Grant/ Donation Fees		Retained Earnings	Levy Funded
Street Reconstruction															
216036	2	Jeanne Ct & Barbara St Road Improvements	821,000	484,000	-	-	35,000	61,000	241,000	-	-	-	337,000	484,000	484,000
226036	2	Broome/Scenic Ridge/Athletic/Fitness/Tower Rd Impr	1,851,000	1,184,000	-	-	14,000	288,000	365,000	-	-	-	667,000	1,184,000	1,184,000
226037	2	Wyoming Ave Reconstruction	883,000	860,000	-	-	10,000	11,000	2,000	-	-	-	23,000	860,000	860,000
226035	2	Emerald Terrace Reconstruction	1,644,000	903,000	-	-	57,000	274,000	410,000	-	-	-	741,000	903,000	903,000
Street Pavement Rehab															
206028	2	Steven Street & Courts Pavement Rehabilitation	319,000	304,000	-	-	9,000	1,000	5,000	-	-	-	15,000	304,000	304,000
216008	2	Carrington/Essex/Chalfont/Eddington Pavement Rehab	485,000	460,000	-	-	15,000	5,000	5,000	-	-	-	25,000	460,000	460,000
Westside Traffic Improvement Plan															
246020	3	O'Keeffe-Leopold Traffic Signals	372,114	372,114	-	-	-	-	-	239,902	-	-	-	132,212	132,212
Multi-Modal															
216052	3	Grove Street Multi-Use Path Replacement	190,980	190,980	-	-	-	-	-	-	-	-	-	190,980	190,980
226053	2	Sunny Valley Park Multi-Use Path Replacement	30,000	30,000	-	-	-	-	-	-	-	-	-	30,000	30,000
224013	3	Willowbrook Park Trail Link	86,000	86,000	-	-	-	-	-	-	-	-	-	86,000	86,000
Park Improvements															
224008	3	Fox Point Multi-Use Court	75,000	75,000	-	-	-	-	-	-	75,000	-	-	-	-
242003	4	Evergreen Park Playground Replacement	43,500	43,500	-	-	-	-	-	-	-	-	-	43,500	43,500
242004	4	Misty Meadow Park Playground Replacement	25,000	25,000	-	-	-	-	-	-	-	-	-	25,000	25,000
244005	3	Carriage Hills Park Parking lot rehabilitation	37,700	37,700	-	-	-	-	-	-	-	-	-	37,700	37,700
Facilities															
242001	2	Power Load Systems	100,000	-	-	100,000	-	-	-	-	-	-	-	100,000	-
Water Pollution Control Facility ¹															
168101	1	Clearwater Reduction From Sewer System	200,000	-	-	-	200,000	-	-	-	-	-	200,000	-	-
218129	2	Replace Aeration Channel Blowers(3)	75,000	-	-	-	75,000	-	-	-	-	-	75,000	-	-
218134	2	Replace 80 Kw Portable Generator	35,000	-	-	-	35,000	-	-	-	-	-	35,000	-	-
248101	2	Upgrade Meadows Lift Station	90,000	-	-	-	90,000	-	-	-	-	-	90,000	-	-
248102	2	Replacement of Sewer Jet/Vac Machine	310,000	-	-	-	310,000	-	-	-	-	-	310,000	-	-
248103	3	Replacement of Truck w/ Topper	25,000	-	-	-	25,000	-	-	-	-	-	25,000	-	-
208103	3	Sewer Main Lining	400,000	-	-	-	400,000	-	-	-	-	-	400,000	-	-
248104	2	Sewer Lateral Lining	650,000	-	-	-	650,000	-	-	-	-	-	650,000	-	-
Stormwater Utility															
208533	3	TMDL - Water Quality Projects	200,000	-	-	-	-	200,000	-	-	-	-	200,000	-	-
248501	2	Tractor	215,000	-	-	-	-	215,000	-	-	-	-	215,000	-	-
Sun Prairie Utility															
205007	3	Electric-System Addtions	1,109,856	-	-	-	-	-	1,109,856	-	-	-	1,109,856	-	-
245001	2	Ford F750 Bucket Truck Replacement	270,000	-	-	-	-	-	270,000	-	-	-	270,000	-	-
245002	3	Ford F550 Operations Bucket Truck Replacement	160,000	-	-	-	-	-	160,000	-	-	-	160,000	-	-
DEBT		Debt Issuance Costs	96,800	94,800	-	2,000	-	-	-	-	-	-	-	96,800	94,800
TOTAL CAPITAL IMPROVEMENT PLAN			\$ 10,799,950	\$ 5,150,094	\$ -	\$ 102,000	\$ 1,925,000	\$ 1,055,000	\$ 2,567,856	\$ 239,902	\$ 75,000	\$ -	\$ 5,547,856	4,937,192	\$ 4,835,192

¹Please see the [WPCF Equipment Replacement Plan](#) in the [WPCF Budget](#) for a full listing of equipment replacement

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NEW/UPGRADED PROJECTS

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CAPITAL IMPROVEMENT PLAN NEW AND REPLACE / UPGRADE PROJECTS

		ESTIMATED YEAR	PROJECT ESTIMATE	2020	2021	2022	2023	2024
New Projects								
204011	West Prairie Village Playground	2020	\$ 35,000	\$ 35,000	\$ -	\$ -	\$ -	\$ -
191707	Splash Pad & Restrooms	2020	525,000	525,000	-	-	-	-
191305	Public Works Campus	2020	585,000	585,000	-	-	-	-
201012	Municipal Parking Lot Construction	2020	1,083,000	1,083,000	-	-	-	-
208101	Sewer TV Inspection Equipment & Software	2020	300,000	300,000	-	-	-	-
208530	S Koshkonong Facility	2020	500,000	500,000	-	-	-	-
195007	Construct Well #10	2020	750,000	750,000	-	-	-	-
185001	Automatic Meter Reading System	2020	500,000	500,000	-	-	-	-
205003	Electric Outage Management System	2020	144,000	144,000	-	-	-	-
201508	Library Expansion	2020	10,992,000	992,000	10,000,000	-	-	-
206058	Borings for 2021 Street Reconstruction Design	2020	20,000	20,000	-	-	-	-
208104	Koshkonong Creek Dredging	2020	500,000	500,000	-	-	-	-
208534	Smith's Crossing - Pond Construction	2020	300,000	300,000	-	-	-	-
206060	HAWK Pedestrian Crossing	2020	240,000	240,000	-	-	-	-
207512	Assistant Chief of Police Vehicle	2020	49,500	49,500	-	-	-	-
205007	Electric-System Additions	2020	5,440,478	1,066,550	1,077,216	1,087,988	1,098,868	1,109,856
204003	Reserve Plat Park Parking Lot	2022	120,000	-	-	120,000	-	-
214003	Reserve Plat Dog Park Fencing	2021	40,000	-	40,000	-	-	-
214008	Reserve Subdivision Playground	2021	35,000	-	35,000	-	-	-
214011	Wetmore Park Shelter	2021	250,000	-	250,000	-	-	-
214012	West Prairie Village Shelter	2021	45,000	-	45,000	-	-	-
214015	Smith's Crossing (McCoy Addition) Playground	2021	35,000	-	35,000	-	-	-
168530	NW Koshkonong Facility	2020	3,100,000	3,100,000	-	-	-	-
234003	Sheehan Park - Scenic Point Trail Link	2023	250,000	-	-	-	250,000	-
211106	2nd Floor Cubical Reconfiguration	2021	172,000	-	172,000	-	-	-
212002	EnerGov Software	2022	181,000	-	101,000	80,000	-	-
198533	TID 12 Regional Stormwater Facility	2021	1,100,000	-	1,100,000	-	-	-
185002	Business Park Substation Expansion	2021	2,834,000	-	2,106,000	-	728,000	-
227301	Wheeled End Loader with plow and wing	2022	262,650	-	-	262,650	-	-
224001	Reserve Plat Park Shelter	2022	325,000	-	-	325,000	-	-
224014	Habitat for Humanity Playground	2022	35,000	-	-	35,000	-	-
224015	Smith's Crossing (McCoy Addition) Shelter	2022	45,000	-	-	45,000	-	-
225001	Construct Pressure Relief Valve #2	2022	475,000	-	-	475,000	-	-
236020	Rattman-Main Traffic Signals	2023	328,350	-	-	-	328,350	-
234004	Habitat for Humanity Shelter	2023	45,000	-	-	-	45,000	-
232003	Cardiac Monitors	2023	160,000	-	-	-	160,000	-
246020	O'Keeffe-Leopold Traffic Signals	2024	372,114	-	-	-	-	372,114
224008	Fox Point Multi-Use Court	2024	75,000	-	-	-	-	75,000
Sub-Total New Projects			\$ 32,249,092	\$ 10,690,050	\$ 4,961,216	\$ 12,430,638	\$ 2,610,218	\$ 1,556,970
Replace / Upgrade Projects								
211203	WSCS Building LED Conversion	2021	\$ 150,000	\$ -	\$ 150,000	\$ -	\$ -	\$ -
217303	Flatbed Dump Truck with Plow	2021	55,000	-	55,000	-	-	-
195004	LED System Street Lighting Upgrades	2021	120,000	30,000	30,000	30,000	30,000	-
231202	WSCS Building Flooring Replacement	2023	40,000	-	-	-	40,000	-
Sub-Total Replace / Upgrade Projects			\$ 365,000	\$ 80,000	\$ 235,000	\$ 30,000	\$ 70,000	\$ -
TOTAL NEW AND REPLACE / UPGRADE PROJECTS			\$ 32,614,092	\$ 10,770,050	\$ 5,196,216	\$ 12,460,638	\$ 2,680,218	\$ 1,556,970

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Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 204011
Project Name West Prairie Village Playground

Type New
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Purchase and install a playground in West Prairie Village.

Justification

The residents and developers of West Prairie Village subdivision have been contributing to the park impact fee fund through their building permits. Park impact funds would be used to install a playground at this park site.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	35,000					35,000
Total	35,000					35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund	35,000					35,000
Total	35,000					35,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance				4,000		4,000
Total				4,000		4,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 191707
Project Name Splash Pad & Restrooms

Type New
Useful Life 20 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 2 High



Description

Design in 2019 and construction in 2020 of a medium-sized Splash Pad and restroom facility at Wetmore Park.

Justification

The Parks and Open Space Plan identified community interest and support for a splash pad. Additionally, in January 2019, the Parks, Recreation and Forestry Commission recommended building three Splash Pads in Sun Prairie as funding becomes available. The first is recommended to be located at Wetmore Park and is a small to medium-sized splash pad.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	525,000					525,000
Total	525,000					525,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund	525,000					525,000
Total	525,000					525,000

Budget Impact/Other

This project would have operating budget impacts related to increased staffing and water usage. The staff would be an LTE estimated at \$15,000 annually and water usage would be an estimated \$15,000 per year. The water usage estimate may vary as the design is finalized. The restroom utilities costs are estimated at \$7,600 annually.

Budget Items	2020	2021	2022	2023	2024	Total
Other (Insurance, Utilities)	22,600	22,600	22,600	22,600	22,600	113,000
Staff Cost	15,075	15,075	15,075	15,075	15,075	75,375
Total	37,675	37,675	37,675	37,675	37,675	188,375

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 191305
Project Name Public Works Campus

Type Unfunded
Useful Life 40 years
Category Buildings

Department Public Works
Contact Public Works Director
Priority 2 High



Description

Complete site analysis, concept design, and 60% preliminary design plans for the new public works, engineering, and sun prairie utilities campus. A 2018 budget initiative approved a space need analysis; architectural design is the next step in the process.

The concept design and 60% preliminary design plans will include site and building lay out; cost estimates, evaluation plans, architectural floor plans, structural plans, utility and storm water plans, project schedule, Green alternatives, and alternative layouts.

Justification

The current Public Work's facility was built in 1997. The facility's size no longer meets departmental needs and facility maintenance costs are increasing as the building ages.

The City Service Center no longer meets the needs of the Department's staff, material storage, or vehicle parking.

The heating and air conditioning has been averaging three service calls per year. Roof repairs in the past year cost \$18,000. We continue to have water leaks from the windows, which has led to cost for mold remediation.

Public works staff shuttle vehicles to other locations at the end of the day to store vehicles inside, due to insufficient space in the existing location. On a regular basis, staff spend a half hour re-arranging vehicles and materials in cold storage facilities to get to the vehicle or materials needed that day. Vehicles are parked down the center of the building in the evenings, creating a hazard if an emergency occurs necessitating quick removal of vehicles.

Meetings with contractors, vendors, and alders are held in the break room or staff commute to City Hall because the current facility lacks a conference and training room.

In the summer when all the seasonal, LTE, part time, and full time staff are working, there is insufficient parking, lunch room, locker, and bathroom facilities.

The property is becoming an eye sore in an ever improving development area of the city, as we are having to store more equipment and materials outside.

Expenditures	2020	2021	2022	2023	2024	Total
Design	585,000					585,000
Construction						
Total	585,000					585,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	390,000					390,000
SPU GO Borrowing	195,000					195,000
Total	585,000					585,000

Budget Impact/Other

Design plans will not impact operating expenses.

Construction of campus will have higher operating cost vs our current Public Works campus, due to the larger facility and increased number of departments within the campus.

Capital Improvement Plan

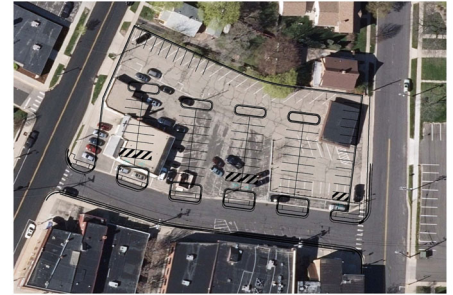
City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 201012
Project Name Municipal Parking Lot Construction

Type New
Useful Life 25 years
Category Street Construction
Department Planning
Contact Community Development Direct
Priority 3 Average



Description

The city has entered into an agreement to purchase property at 117 Columbus Street for the purpose of expanding municipal parking. That acquisition should occur in 2019. In 2020 it is intended that the city would work with the Bank of Sun Prairie to demolish the building on the site and reconfigure the existing parking lots (and possibly Angell Street) to maximize efficiency and expand public parking opportunities to the north of Main Street. Staff is also recommending that utility lines be buried along the north side of the downtown as well, from the City Hall parking lot west to beyond N. Bristol Street.

Justification

Demand for parking downtown is increasing as new development occurs and existing businesses thrive. In addition, parking at City Hall has become more challenging. A reconfigured and expanded parking lot on the block north of Angell Street between Columbus Street and Church Street could help to ease both concerns. Burying the utility lines while this block is redeveloped would be the most efficient time to do so.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	600,000					600,000
Other	483,000					483,000
Total	1,083,000					1,083,000

Funding Sources	2020	2021	2022	2023	2024	Total
TIF Borrowing	1,083,000					1,083,000
Total	1,083,000					1,083,000

Budget Impact/Other

Expanding municipal parking will result in a small increase on the demands for snow plowing, striping, and minor maintenance for Public Works, as well as increased time for monitoring parking by the CSOs. These additional costs are anticipated to be absorbed in the current operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208101
Project Name Sewer TV Inspection Equipment & Software

Type New
Useful Life 12 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

Purchase of a TV inspection unit for televising sewer mains and laterals along with software and monitoring equipment for evaluating sewers. The information gathered will be used to identify problem sewer mains and laterals that need to be addressed as part of the city's ongoing CIP plan for repairing/replacing defective sewer mains and laterals I/I reduction project.

Justification

The information gathered will be used to identify defective sewer mains and laterals, and locate infiltration of clearwater into the sewer system. Options for repairing or replacing these defects will then be addressed in the CIP plan.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	300,000					300,000
Total	300,000					300,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund	300,000					300,000
Total	300,000					300,000

Budget Impact/Other

When we add annual fuel usage, LTE staffing, maintenance and unit depreciation, our annual costs are \$42,000. In 2019, we projected that the city will be paying contractors \$73,000 for television inspection of sewer mains and laterals associated with street reconstruction projects and sewer lateral lining projects. With the city owning the television inspection equipment, we are projecting an annual savings of \$31,000 per year.

Budget Items	2020	2021	2022	2023	2024	Total
Fuel	1,500	1,500	1,500	1,500	1,500	7,500
Maintenance	500	500	500	500	500	2,500
Staff Cost	15,000	15,000	15,000	15,000	15,000	75,000
Total	17,000	17,000	17,000	17,000	17,000	85,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208530
Project Name S Koshkonong Facility

Type New
Useful Life 50 years
Category Storm Sewer/Drainage

Department Stormwater
Contact City Engineer
Priority 3 Average



Description

Design and construct a stormwater facility on city owned land. When completed, the facility will include components to address both stormwater quality and quantity issues. The project is expected to be designed in 2019 and constructed in 2020. The existing site has environmental issues that could cause delays in the design and construction schedule.

Justification

This project's priority increases as the city strives to meet TMDL requirements for total suspended solids and total phosphorous reductions.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	500,000					500,000
Total	500,000					500,000

Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund	500,000					500,000
Total	500,000					500,000

Budget Impact/Other

This project will have a minor budget impact. Additional funding will be requested through a budget initiative addressing citywide stormwater needs.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 195007
Project Name Construct Well #10

Type New
Useful Life 75 years
Category SPU: Water

Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 2 High



Description

Design and construct a new well and well control house to be located within the city's low-pressure system.

Justification

The city is currently served by two pressure systems, as low and high-pressure systems are separated generally by Main Street. The low-pressure system is growing with the likes of Smith's Crossing, Meadow Crossing and a number of apartments and businesses. This system is currently served by the city's oldest Well #3(1955 vintage) on Cliff St and Well #8 in Smith's Crossing, whereas the high-pressure system has 5 wells. The low-pressure wells are currently operating fine, but there is a need to bolster the reliability by constructing another to serve this area, as identified in the long-range plan. The goal is to find a property in 2018, construct a test well and based on successful draw from this well. Construct the well and its house in 2019/2020.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	750,000					750,000
Total	750,000					750,000

Funding Sources	2020	2021	2022	2023	2024	Total
SPU GO Borrowing	750,000					750,000
Total	750,000					750,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 185001
Project Name Automatic Meter Reading System

Type New
Useful Life 30 years
Category SPU: Electric
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Purchase and install a two-way communication metering and associated data collection system, reporting software, and billing integration. Upon completion, SPU will be able to utilize WPPI Energy's Meter Data Management System for valuable reporting features and best utilization of collected data.

SPU plans to spend \$500,000/year over a 4-year period on this project (2017-2020).

A construction authorization and Non-Standard Meter Tariff (Opt-Out Tariff) have been filed with the Public Service Commission of Wisconsin. The Non-Standard Meter Tariff would allow a customer to have a non-standard meter and be charged a monthly fee for manual processing.

Justification

An advanced metering infrastructure will provide increased distribution system monitoring, customer self-monitoring and usage control, improved customer service, and more accurate meter readings for billing. The system will have the ability to read all meters on the first of the month to best align with WPPI Energy wholesale metering reads, allowing SPU to accurately bill customers for the usage and consumption SPU is billed for by WPPI. With the likelihood of future time-of-use rates, customers will have greater ability to monitor and control personal consumption for peak savings.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	500,000					500,000
Total	500,000					500,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	500,000					500,000
Total	500,000					500,000

Budget Impact/Other

Capital Improvement Plan

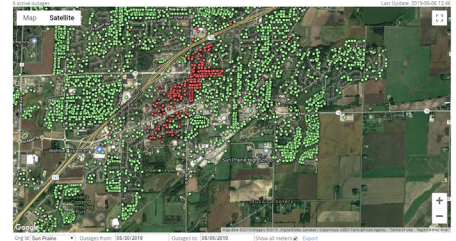
City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 205003
Project Name Electric Outage Management System

Type New
Useful Life 10 years
Category SPU: Electric
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Technology advancement - In conjunction with the Advanced Metering Implementation and our new Electric SCADA System, SPU would like provide its customers with even greater reliability by implementing an outage management system.

Justification

WPPI assisted its members by taking on an initiative to evaluate various recommended outage management systems. Dave Euclide participated in a task force responsible for evaluating vendors and determining the best solution(s) for its 51 members. This evaluation has provided the best pricing and the possibility of hosting a solution, as well as connecting it to its existing meter data management and billing systems to provide the greatest possible value. The goal is to utilize existing automated meters, GIS mapping, and billing data to provide field operations with predictable failure devices and communicate with customers concerning outage data and estimated restoration times.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	144,000					144,000
Total	144,000					144,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	144,000					144,000
Total	144,000					144,000

Budget Impact/Other

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance		31,000	31,000	31,000	31,000	124,000
Total		31,000	31,000	31,000	31,000	124,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 201508
Project Name Library Expansion

Type New
Useful Life 20 years
Category Buildings

Department Library
Contact Library Director
Priority 2 High



Description

An expansion of the current library to meet the collection and programming space needs.

Justification

In 2018, the Sun Prairie Public Library completed an architectural analysis. The analysis revealed the need for the library to expand in order to meet standards established by the State of Wisconsin and the Dane County Library Service. The analysis also determined the need and desire to expand our current level of services and spaces to include: additional meeting rooms and study rooms, a larger storytime room and youth services area, a dedicated teen space, a maker space with innovative technology and equipment, enhanced lighting, more seating, more parking, and enhanced work space for staff. The photo assigned shows stacks at maximum capacity. Additional shelving is not an option as this would reduce space necessary for wheelchair access. Construction costs include contractual fees associated with an owner's agent. An owner's agent would act as the project manager, which would be crucial to the success of such a large scale project.

Expenditures	2020	2021	2022	2023	2024	Total
Design	992,000					992,000
Construction			10,000,000			10,000,000
Total	992,000		10,000,000			10,992,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	992,000		10,000,000			10,992,000
Total	992,000		10,000,000			10,992,000

Budget Impact/Other

The expansion at our current location will require an increase in operational expenditures in all areas including: personnel and administrative costs, library collection, facility maintenance, and technology. The increase will allow the Sun Prairie Public Library to offer a wide range of enhanced services including additional programming, access to state of the art technology, access to a larger physical and digital collection and increased hours of service. The greatest increase would be during the first five years as we grow staff and resources to meet the needs of our growing community.

Budget Items	2020	2021	2022	2023	2024	Total
Fuel					2,150	2,150
Maintenance					132,644	132,644
Other (Insurance, Utilities)					58,000	58,000
Professional Services					32,125	32,125
Staff Cost					87,418	87,418
Supplies/Materials					45,470	45,470
Total					357,807	357,807

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 206058
Project Name Boring for 2021 Street Projects

Type Replacement **Department** Engineering
Useful Life 25 years **Contact** City Engineer
Category Street Reconstruction **Priority** 2 High



Description **Total Project Cost:** \$20,000

Borings for the 2020 Street reconstruction project design – City Engineering Staff will be working on designing the 2021 projects in 2020 at an approximate cost of \$20,000. This will allow for better estimates of costs and project scope as the City moves into the 2021 budget period.

Justification

Street Reconstruction projects require engineering design to determine proper road replacement. Staff utilizes existing subsoil information to determine proper road build. This work is contracted out to firms specializing in performing borings.

Expenditures	2020	2021	2022	2023	2024	Total
Professional Services	20,000					20,000
Total	20,000					20,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	20,000					20,000
Total	20,000					20,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208104
Project Name Koshkonong Creek Dredging

Type Improvement
Useful Life 25 years
Category Storm Sewer/Drainage
Department Engineering
Contact City Engineer
Priority 1 Mandatory



Description **Total Project Cost:** \$500,000

Cost Share with the Drainage District on dredging of Koshkonong Creek – This project falls under the agreement approved by the Council to assist in the cost of the Drainage District Projects. The additional amount to be funded is \$500,000. The Storm water fund and the Wastewater Treatment Plant fund will fund the project

Justification

The ability to clean out ditches downstream of the City provides multiple benefits including but not limited to increased stormwater capacity, reduction in occurrences of street flooding and removal of legacy phosphorous in our stream system.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	500,000					500,000
Total	500,000					500,000

Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund	400,000					400,000
Wastewater Fund	100,000					100,000
Total	500,000					500,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208534
Project Name Smith's Xing Pond Construction

Type New
Useful Life 25 years
Category Storm Sewer/Drainage
Department Engineering
Contact City Engineer
Priority 2 High



Description **Total Project Cost:** \$300,000

Staff is requesting this project be added to the Storm Water Improvements for 2020 at a cost of \$300,000. This pond is to address City TMDL requirements.

Justification

This project's priority increases as the city strives to meet TMDL requirements for total suspended solids and total phosphorous reductions. This project was identified in our master stormwater plan.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	300,000					300,000
Total	300,000					300,000

Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund	300,000					300,000
Total	300,000					300,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

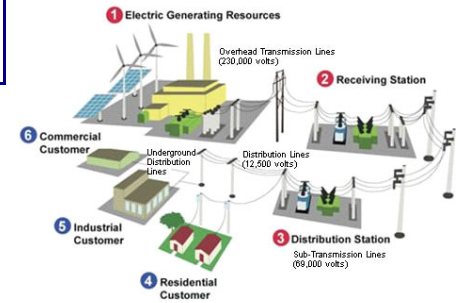
2020 *thru* 2024



Project # 205007
Project Name Electric-System Additions

Type New
Useful Life 30 years
Category SPU: Electric

Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Annually, SPU's Electric Department creates and installs facilities for many work orders which get categorized into the Distribution System Additions initiative. The budget for this item is difficult to determine, as is heavily based on City growth and expansion. The budget for this is taken from historic 3-Year average expenditures (1% inflation increase annually) and includes most everything outside of Long-Range Planning Initiatives.

Justification

Sun Prairie has the obligation to reliably design and install electric service to all new customers in Sun Prairie, as well as upgrading and bolstering service to any existing areas needing improved reliability. Our Operations Department focuses on providing the most robust, reliable service in the most economical manner possible.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	1,066,550	1,077,216	1,087,988	1,098,868	1,109,856	5,440,478
Total	1,066,550	1,077,216	1,087,988	1,098,868	1,109,856	5,440,478

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	1,066,550	1,077,216	1,087,988	1,098,868	1,109,856	5,440,478
Total	1,066,550	1,077,216	1,087,988	1,098,868	1,109,856	5,440,478

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 204003
Project Name Reserve Plat Park Parking Lot

Type New
Useful Life 25 years
Category Park Land
Department Parks
Contact Public Works Director
Priority 3 Average



Description

A Parks Master Plan to parking lot layout, shelter. Playground, dog park and location of parks buildings and park amenities and engineer the parking lot, grading, stormwater, and utilities.
 Install a parking lot serving the Reserve Plat park land and dog park and shelter.

Justification

With the addition of the Reserve Plat in Sun Prairie, the city acquired an eight acre park at the north end of Thompson Road. The initial park design is to include a dog park, shelter with nature education facilities and bathrooms, parking lot, trails, and a playground. The city expects to start improvements to the park in 2020.

As development occurs, park impact fees are collected for the purpose of park creation and amenities.

Amenities to the park land will be added in the following order: (years will depend on the development rate of the sub-division)

1) Parking lot 2) Dog park fencing 3) Playground 4) Shelter with nature educational learning center and restrooms

Expenditures	2020	2021	2022	2023	2024	Total
Design			20,000			20,000
Construction			100,000			100,000
Total			120,000			120,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing			120,000			120,000
Total			120,000			120,000

Budget Impact/Other

This project will not have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214003
Project Name Reserve Plat Dog Park Fencing

Type New
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Install a fence around a portion of the Reserve plat park land to create a dog park. The dog park will be approximately three acres and will include a small dog area.

Justification

With the addition of the Reserve Plat in Sun Prairie, the city acquired eight acres at the north end of Thompson Road. The initial park design is to include a dog park, shelter with nature education facilities and bathrooms, parking lot, trails, and a playground. The city expects to start improvements to the park in 2020.

As development occurs, park impact fees will be collected to develop new parks with desired amenities.

Amenities to the park land will be added in the following order: (years will depend on the development rate of the sub-division)

1) Parking lot 2) Dog park fencing 3) Playground 4) Shelter with nature educational learning center and restrooms

Expenditures	2020	2021	2022	2023	2024	Total
Construction		40,000				40,000
Total		40,000				40,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund		40,000				40,000
Total		40,000				40,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214008
Project Name Reserve Subdivision Playground

Type New
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Purchase and install a playground at the new Reserve Subdivision park.

Justification

With the addition of the Reserve Subdivision in Sun Prairie, the city acquired eight acres at the north end of Thompson Road. The initial park design is to include a dog park, shelter with nature education facilities and bathrooms, parking lot, trails, and a playground. The city expects to start improvements to the park in 2020.

As development occurs, park impact fees will be collected to develop new parks with desired amenities.

Amenities to the park land will be added in the following order: (years will depend on the development rate of the sub-division)

1) Parking lot 2) Dog park fencing 3) Playground 4) Shelter with nature educational learning center and restrooms

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		35,000				35,000
Total		35,000				35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund		35,000				35,000
Total		35,000				35,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance					4,000	4,000
Total					4,000	4,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214011
Project Name Wetmore Park Shelter

Type New
Useful Life 50 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

As part of a larger vision for Wetmore Park to become a community destination with year round recreational amenities, this project is for a multi-purpose shelter to serve as an amphitheater in warm weather months and a warming house and observation area over the ice skating rink during cold weather months.

Justification

This project is part of a long-term vision for Wetmore Park, making it a community destination with year round recreation amenities. Wetmore Park currently hosts the Parks and Recreation Department's Movies and Concerts in the Park series in summer months and is home to a hockey rink and pleasure ice rink in winter months.

As the 2017 - 2022 Parks and Open Space Plan indicates, there is a need and recommendation for an outdoor performance venue in Sun Prairie. The Movies and Concerts in the Park series has grown since its inception and has potential for more growth, adding to the quality of life to residents of Sun Prairie.

The proposed shelter not only increases quality of life for residents, but has the potential to create a more professional look and feel to the Movies and Concerts in the Park series. It also has potential for an alternative revenue source as this facility could be available for private rentals. Additionally, the shelter will serve as a warming house in winter months with an opportunity to build space for ice skate and snow shoe rentals.

Without this project, the movies and concerts series will continue as programmed, but expansion for programs, services, and events will be challenging without an appropriate venue. Additionally, without this shelter, the vision for Wetmore Park will not be complete as this is a key component to that vision.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		250,000				250,000
Total		250,000				250,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund		250,000				250,000
Total		250,000				250,000

Budget Impact/Other

The new park shelter will require additional staff time to maintain shelter cleanliness and perform any necessary repairs. The operating budget impact will include utility costs. Some of this expense will be offset by alternative revenue streams that this venue will provide.

Budget Items	2020	2021	2022	2023	2024	Total
Other (Insurance, Utilities)			6,000	6,000	6,000	18,000
Total			6,000	6,000	6,000	18,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214012
Project Name West Prairie Village Shelter

Type New
Useful Life 50 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Design and construction of a shelter in the dedicated park land at West Prairie Village.

Justification

The residents and developers of the West Prairie Village subdivision have been contributing to the park impact fee fund through their building permits. Park impact funds would be used for the design and construction of a shelter in West Prairie Village.

Expenditures	2020	2021	2022	2023	2024	Total
Design		5,000				5,000
Construction		40,000				40,000
Total		45,000				45,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund		45,000				45,000
Total		45,000				45,000

Budget Impact/Other

The project will have minimal operating budget impacts.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214015
Project Name Smith's Crossing (McCoy Addition) Playground

Type New
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Purchase and install a playground at the new McCoy addition's dedicated park in Smith's Crossing.

Justification

The residents and developers of Smith's Crossing subdivisions have been contributing to the park impact fee fund through their building permits. Park impact funds would be used for the purchase and installation of a playground structure at the McCoy addition of the Smith's Crossing.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		35,000				35,000
Total		35,000				35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund		35,000				35,000
Total		35,000				35,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance					4,000	4,000
Total					4,000	4,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 168530
Project Name NW Koshkonong Facility

Type New
Useful Life 50 years
Category Storm Sewer/Drainage
Department Stormwater
Contact City Engineer
Priority 2 High



Description

The City has agreements in place to acquire land in 2018 and will construct a NW Koshkonong stormwater facility in 2019. This facility is expected to be able to address stormwater quantity and quality needs for up to 110 acres.

Along with the Koshkonong facility, storm sewer upgrades will be needed under Thompson Road to convey water from W. Main Street to this facility. This item is included separately in the CIP (Project 196060).

Justification

The construction of this basin is to offset an anticipated increase in discharge rates from the upper portion of the watershed following completion of an outlet structure improvement project at Batz Pond north of STH 19. The location of this basin offers the possibility to provide post-development stormwater management for approximately 110 acres of land to the west and south of the basin location which are currently untreated. This becomes more of a priority as the City is being required to meet state Total Maximum Daily Load requirements for Total Suspended Solids and Total Phosphorous reductions.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	3,100,000					3,100,000
Total	3,100,000					3,100,000

Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund	3,100,000					3,100,000
Total	3,100,000					3,100,000

Budget Impact/Other

This project will require Public Works maintenance.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

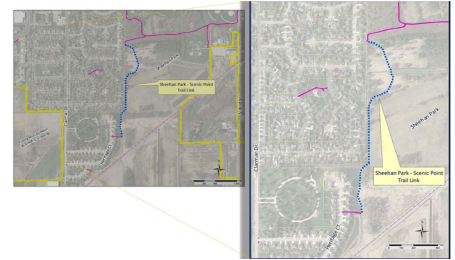
2020 *thru* 2024



Project # 234003
Project Name Sheehan Park - Scenic Point Trail Link

Type Improvement
Useful Life 25 years
Category Multimodal

Department Planning
Contact Community Development Direct
Priority 3 Average



Description

This multi-use path would connect the Scenic Point neighborhood to the trail system in Sheehan Park. This path would likely experience a high degree of use once the McCoy addition to Smith's Crossing neighborhood gets developed. Together with the network of off-street paths planned for the Smith's Crossing/McCoy addition, this link would be part of an off-street system that would link the downtown area to Reiner Road, and to beyond to both Sun Prairie's westside and Madison. The cost estimate provided for this project includes fill needed to construct the path adjacent to existing wetlands, as well as permitting costs associated with possibly filling in a portion of wetlands on the far SW side of Sheehan Park.

Justification

One of the strongest themes to come out of the public engagement efforts associated with the comprehensive plan project is the community's desire for expanded off-road bicycle facilities and a better connected system of such facilities. This project would close a gap of about 2,400' and help provide a more continuous path across the south side of the city, addressing these community desires.

Expenditures	2020	2021	2022	2023	2024	Total
Construction				250,000		250,000
Total				250,000		250,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund				250,000		250,000
Total				250,000		250,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 211106
Project Name 2nd Floor Cubical Reconfiguration

Type Replacement
Useful Life 15 years
Category Buildings

Department Comm Dev: Building Maint
Contact Community Development Direct
Priority 3 Average



Description

This project would replace the outdated cubicle equipment and furniture in the staff area on the second floor of City Hall, in a similar manner to the improvements recently made to the clerk's office.

Justification

As part of the ongoing effort to improve the work environment at City Hall, this project would reconfigure the work spaces on the 2nd floor with a more modern and more flexible system. Replacement panels to reconfigure spaces with the current system are no longer available, compromising options when staff changes occur and spaces need to be created or modified.

Expenditures	2020	2021	2022	2023	2024	Total
Furniture		172,000				172,000
Total		172,000				172,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		172,000				172,000
Total		172,000				172,000

Budget Impact/Other

This project is not expected to have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

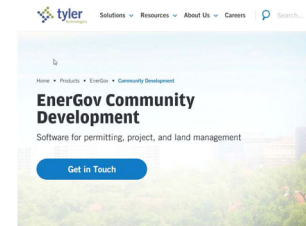
2020 *thru* 2024



Project # 212002
Project Name EnerGov Software

Type Replace/Upgrade
Useful Life 10 years
Category Equipment: Computers

Department Planning
Contact Community Development Direct
Priority 2 High



Description

Tyler Technologies' EnerGov community development software automates governmental operations in land use planning, permitting, enforcement case management, and inspections. Its multi-dimensional permitting software allows for planning, review, and enforcement to be performed in a more effective and efficient manner than the city's current permitting software. Its mobility functionality streamlines the process and benefits stakeholders, citizens, agencies, and the municipality's bottom line. It will permit mobile utilization of our permitting software for inspections in a manner that is much more effective than Munis, our current system.

Justification

With the development of the EnerGov product, Tyler Technologies has discontinued making major enhancements to the Munis Permit module, which is the module currently utilized solely by the city's Building Inspection Division for issuing permits, documenting code enforcement service requests, scheduling inspections, and documenting inspection results. Over the years the limitations of the Munis module has become more evident, especially compounded with the face-paced growth of the city and its large increase in building projects. Since EnerGov is a Tyler Technologies product, it will work seamlessly with our Munis financial software. The mobile capabilities, very limited in Munis, should be greatly enhanced.

Expenditures	2020	2021	2022	2023	2024	Total
Professional Services			80,000			80,000
Equipment		7,000				7,000
Other		94,000				94,000
Total		101,000	80,000			181,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		101,000	80,000			181,000
Total		101,000	80,000			181,000

Budget Impact/Other

There is an annual \$23,880 cost for licensing that would begin in 2021.

Budget Items	2020	2021	2022	2023	2024	Total
Other (Insurance, Utilities)			23,880	23,880	23,880	71,640
Total			23,880	23,880	23,880	71,640

Capital Improvement Plan

City of Sun Prairie, Wisconsin

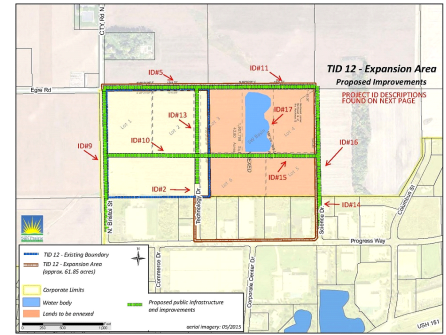
2020 *thru* 2024



Project # 198533
Project Name TID 12 Regional Stormwater Facility

Type New
Useful Life 25 years
Category Storm Sewer/Drainage

Department Stormwater
Contact City Engineer
Priority 2 High



Description

This facility is part of the TIF #12 public infrastructure improvements.

Justification

In anticipation of additional development, the city established a timeline for infrastructure improvements within TID #12. With the large area for expansion, the city has deemed that a regional stormwater facility is the best option for future development. Without knowing exactly when development will occur, the Economic Development Department along with the Engineering Department agreed to phase-in the stormwater construction. Overall design will begin in 2019 and construction will occur later in 2021. Having the design completed in 2019 allows the city to present this future plan to prospective businesses and would be an advantage over other greenfield sites.

Expenditures	2020	2021	2022	2023	2024	Total
Design		100,000				100,000
Construction		1,000,000				1,000,000
Total		1,100,000				1,100,000

Funding Sources	2020	2021	2022	2023	2024	Total
TIF District		1,100,000				1,100,000
Total		1,100,000				1,100,000

Budget Impact/Other

The addition of a new stormwater facility will result in additional operating costs, which can be identified and monetized as plans are finalized. It is likely that the operating cost increase will be incremental; Public Works will continue to monitor workloads department-wide as the city grows.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 185002
Project Name Business Park Substation Expansion

Type New
Useful Life 50 years
Category SPU: Electric
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 2 High



Description

Sun Prairie Utilities' most recent Long-Range System Study identified the need to expand the Business Park substation. This is a high priority project starting in 2018 and continuing to 2023. In addition to expanding to proactively meet the needs of the growing Business Park, it also addresses the need for transformer upgrades due to age and size.

Justification

By upgrading the Business Park substation, its operating expected reliability is improved and it allows ATC to upgrade its aging infrastructure. Most importantly, it eliminates the need to construct a sixth substation on the east side of the city. Both the Business Park and south substations currently have transformers that are serving well beyond their expected reliable life. Depending on aesthetic and security needs of a new substation, the estimated cost avoidance would range from \$3 to \$4 million.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		700,000		728,000		1,428,000
Professional Services		251,000				251,000
Equipment		1,155,000				1,155,000
Total		2,106,000		728,000		2,834,000

Funding Sources	2020	2021	2022	2023	2024	Total
SPU GO Borrowing		1,996,000		728,000		2,724,000
Sun Prairie Utilities		110,000				110,000
Total		2,106,000		728,000		2,834,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 227301
Project Name Wheeled End Loader with Plow and Wing

Type New
Useful Life 15 years
Category Vehicles
Department Public Works : Fleet
Contact Fleet Supervisor
Priority 5 Future Consideration



Description

Purchase an additional Wheeled End Loader with a snow plow, wing and grapple bucket.

Justification

The purchase of a wheeled end loader with a snow plow and wing is needed to accommodate the addition of over 30 lane miles of streets in the last five years. The addition of the end loader will allow Public Works to add an additional route to the plowing operation and reduce the amount of time for plowing completion.
The wheeled end loader will also help storm water with installation of pipes and excation of storm water facilities.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			262,650			262,650
Total			262,650			262,650

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet Inservice Fund			160,000			160,000
Stormwater GO Borrowing			102,650			102,650
Total			262,650			262,650

Budget Impact/Other

This new piece of equipment will increase maintenance expenses in the operating budget.

The Department of Public Works is monitoring plowing routes and staffing needs as the City's street miles grow, to ensure consistent and timely snow and ice operations. Any operating needs related to staffing will be addressed in a budget initiative not related to a specific piece of equipment.

Budget Items	2020	2021	2022	2023	2024	Total
Fuel			2,000	2,000		4,000
Maintenance			1,500	1,500		3,000
Total			3,500	3,500		7,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224001
Project Name Reserve Plat Park Shelter

Type New
Useful Life 25 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Install a park shelter with restrooms, nature learning center, picnic tables, benches, security cameras, and drinking fountains. The shelter will also include storage for supplies for both the shelter and the dog park.

Justification

With the addition of the Reserve Plat in Sun Prairie, the city acquired eight acres at the north end of Thompson Road. The initial park design is to include a dog park, shelter with nature education facilities and bathrooms, parking lot, trails, and a playground. The city expects to start improvements to the park in 2020.

As development occurs, Park Impact Fees will be collected to develop new parks with desired amenities.

Amenities to the park land will be added in the following order: (years will depend on the development rate of the sub-division)

1) Parking lot 2) Dog park fencing 3) Playground 4) Shelter with nature educational learning center and restrooms

Expenditures	2020	2021	2022	2023	2024	Total
Construction			325,000			325,000
Total			325,000			325,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund			325,000			325,000
Total			325,000			325,000

Budget Impact/Other

The new park shelter will require additional staff time to maintain shelter cleanliness and perform any necessary repairs. The operating budget impact includes utility costs. Some of this expense will be offset by new rental fees.

Budget Items	2020	2021	2022	2023	2024	Total
Other (Insurance, Utilities)				6,000	6,000	12,000
Total				6,000	6,000	12,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224014
Project Name Habitat for Humanity Playground

Type New
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 4 Fairly Low



Description

Purchase and install a playground at the proposed Habitat for Humanity subdivision.

Justification

The residents and developers of this subdivision will contribute to the park impact fee fund through their building permits. Park impact funds would be used for the purchase and installation of a playground structure.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			35,000			35,000
Total			35,000			35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund			35,000			35,000
Total			35,000			35,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224015
Project Name Smith's Crossing (McCoy Addition) Shelter

Type New
Useful Life 50 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Design and construction of a shelter at the McCoy addition's park land in Smith's Crossing.

Justification

The residents and developers of Smith's Crossing subdivisions have been contributing to the park impact fee fund through their building permits. Park impact funds would be used for the design and construction of a shelter at the McCoy addition's park land in Smith's Crossing.

Expenditures	2020	2021	2022	2023	2024	Total
Design			5,000			5,000
Construction			40,000			40,000
Total			45,000			45,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund			45,000			45,000
Total			45,000			45,000

Budget Impact/Other

The project will not have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 225001
Project Name Construct Pressure Relief Valve #2

Type New
Useful Life 50 years
Category SPU: Water
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

The Utility installed a pressure relief valve to connect high and low-pressure zones in 2018. A second valve will be installed in 2021. Per the long-range plan, this will be the second of potentially three to be installed in the future.

This device will continuously monitor pressures in the low pressure zone, opening automatically at lower pressure levels for feed and assistance from the more robust high-pressure zone.

Justification

Per the long-range plan and the Wisconsin DNR Annual Survey, there are currently no system deficiencies. However, there is a recommendation to investigate and address the needs of the current Low-Pressure Zone (LPZ). With the LPZ served by two wells (one of which is the oldest on the system) and one tower, there is a need to bolster reliability in case SPU experiences problems to existing assets. The most cost-effective way to accomplish this is to install a pressure relief valve which engages the much larger and robust high-pressure zone infrastructure. The valve will continuously monitor pressures on the low-pressure zone, opening and closing as necessary to feed the LPZ with water from the HPZ.

Expenditures	2020	2021	2022	2023	2024	Total
Design			20,000			20,000
Equipment			455,000			455,000
Total			475,000			475,000

Funding Sources	2020	2021	2022	2023	2024	Total
SPU GO Borrowing			475,000			475,000
Total			475,000			475,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 236020
Project Name Rattman-Main Traffic Signals

Type New
Useful Life 20 years
Category Traffic Signal

Department Planning
Contact Planning Director
Priority 3 Average



Description

Install traffic signals at the intersection of Rattman Road and West Main Street, located at the western terminus of Main Street in the city. This intersection should be studied periodically to determine when signals are warranted.

Justification

This is an impact fee project that the city is collecting fees to complete, and must be completed within a reasonable timeframe as part of the impact fee program. It is anticipated that signals may be warranted here by 2023, and installation may correspond with the reconstruction of Rattman Road (also an impact fee project).

Expenditures	2020	2021	2022	2023	2024	Total
Construction				328,350		328,350
Total				328,350		328,350

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				178,064		178,064
Traffic Impact Fee Fund				150,286		150,286
Total				328,350		328,350

Budget Impact/Other

This project is not expected to affect operating budget expenditures.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 234004
Project Name Habitat for Humanity Shelter

Type New
Useful Life 50 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 4 Fairly Low



Description

Design and construction of a shelter at the proposed Habitat for Humanity neighborhood.

Justification

The residents and developers of this new subdivision will be contributing to the park impact fee fund through their building permits. Park impact funds would be used for the design and construction of a shelter at the designated park land in this neighborhood.

Expenditures	2020	2021	2022	2023	2024	Total
Design				5,000		5,000
Construction				40,000		40,000
Total				45,000		45,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund				45,000		45,000
Total				45,000		45,000

Budget Impact/Other

This project is not expected to have an impact on the annual operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 232003
Project Name Cardiac Monitors

Type New
Useful Life 12 years
Category Equipment: Miscellaneous
Department EMS
Contact EMS Chief
Priority 2 High



Description

Purchase 4 cardiac monitors. (4 in FY23 to maintain current industry standards)

State statutes require a cardiac monitor in all ambulances, and prudence requires use of current equipment capable of providing treatments that are up-to-date with current clinical standards. The monitor is used to observe a patient's heart rhythm and detect changes that could be life-threatening. It detects heart attacks and is a vital tool in cardiac arrest resuscitation attempts. It serves to measure blood gases such as oxygenation saturations as well as carbon monoxide toxicity.

Justification

The manufacturer's recommended lifespan of the other cardiac monitors (Lifepak 15) ends in 2018, and useful life expires approximately 2022. Replacement devices are required to maintain compliance with current medical treatment standards, and the manufacturer's next model is expected to debut to market around this time. Purchase 4 new cardiac monitors in FY23, and retain the monitor that was acquired in FY20 as a backup unit.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment				160,000		160,000
Total				160,000		160,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				160,000		160,000
Total				160,000		160,000

Budget Impact/Other

This item requires a service contract. The estimated contract cost, adjusted for inflation, is approximately \$1550 per year.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance				6,200	6,200	12,400
Total				6,200	6,200	12,400

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 246020
Project Name O'Keeffe-Leopold Traffic Signals

Type New
Useful Life 20 years
Category Traffic Signal
Department Planning
Contact Community Development Direct
Priority 3 Average



Description

Install traffic signals at the O'Keeffe Avenue - Leopold Way intersection within the Smith's Crossing neighborhood.

Justification

This is an impact fee project that the city has been collecting fees to complete. The signals should be installed within a reasonable timeframe under the impact fee program. O'Keeffe is an arterial street that is expected to experience increased traffic as additional development occurs in the area. Leopold is a collector street that has recently been extended and will connect with Clarmar Drive in the coming years as the McCoy Addition builds out, which will result in a significant increase in traffic volumes along this street as well.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					372,114	372,114
Total					372,114	372,114

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					132,212	132,212
Traffic Impact Fee Fund					239,902	239,902
Total					372,114	372,114

Budget Impact/Other

This project is not expected to affect operating budget expenditures.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224008
Project Name Fox Point Multi-Use Court

Type New
Useful Life 20 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Install a multi-use court at Fox Point Park. The court could be used for pickleball, tennis, and basketball.

Justification

The Parks and Open Space Plan recommends the installation of more multi-use courts at various locations throughout the city. The courts could be used for basketball, pickleball, and tennis.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					75,000	75,000
Total					75,000	75,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund					75,000	75,000
Total					75,000	75,000

Budget Impact/Other

Replace the nets every three to four years at an estimated cost of \$200.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 211203
Project Name WSCS Building LED Conversion

Type Replace/Upgrade
Useful Life 20 years
Category Buildings

Department Comm Dev: Building Maint
Contact Maintenance Supervisor
Priority 3 Average



Description

Replace all light fixtures in the Westside Community Service building with LED fixtures to provide more energy efficient and lower maintenance lighting.

Justification

The current fluorescent lighting throughout the WSCS building provides a quality work environment, but is high maintenance and demands a lot of staff time with relatively high replacement needs. Some LED replacement has been initiated at the Public Library with success. LED bulbs use less energy and last much longer than the current bulbs. It is estimated that this project will pay for itself in seven to eight years. If the city is able to obtain rebates or grant funding for this initiative, the energy savings will pay for the cost of the project in a shorter timeframe.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		150,000				150,000
Total		150,000				150,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		150,000				150,000
Total		150,000				150,000

Budget Impact/Other

The conversion to LED lights will result in an estimated annual energy savings of \$7,000 to \$10,000. First year savings would be lower due to installation timeframes.

Budget Items	2020	2021	2022	2023	2024	Total
Other (Insurance, Utilities)		-3,750	-7,000	-7,000	-7,000	-24,750
Total		-3,750	-7,000	-7,000	-7,000	-24,750

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 217303
Project Name Flatbed Dump Truck with Plow

Type Replace/Upgrade
Useful Life 10 years
Category Vehicles
Department Public Works : Fleet
Contact Fleet Supervisor
Priority 3 Average



Description

Replace a one-ton truck with a dump body and snow plow. This unit will replace a 2011 Chevy 3500 with a dump box (vehicle 181).

Justification

This truck is used to haul materials such as dirt, gravel, yard waste, and brush. It is also used to tow trailers and pieces of trailer mounted equipment. Operating in these conditions and performing these duties adds to the wear and tear put upon the vehicle.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		55,000				55,000
Total		55,000				55,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet GO Borrowing		55,000				55,000
Total		55,000				55,000

Budget Impact/Other

This vehicle replaces a similar vehicle currently in the city's fleet. The replacement is not expected to have a significant impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 195004
Project Name LED System Street Lighting Upgrades

Type Replacement
Useful Life 30 years
Category SPU: Electric
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Upgrade street lighting to LED standards by replacing high pressure sodium light fixtures with LED fixtures on all city street construction projects, including partial reconstruction.

Justification

This is an energy conservation initiative, implemented in conjunction with all new construction installations. The goal is to convert the entire city in a timely fashion. Without this initiative, only new areas of the city will experience the lighting upgrade.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	30,000	30,000	30,000	30,000		120,000
Total	30,000	30,000	30,000	30,000		120,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	30,000	30,000	30,000	30,000		120,000
Total	30,000	30,000	30,000	30,000		120,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 231202
Project Name WSCS Building Flooring Replacement

Type Improvement
Useful Life 15 years
Category Buildings

Department Comm Dev: Building Maint
Contact Community Development Direct
Priority 3 Average



Description

The WSCS building community room is currently floored with both vinyl plank flooring and carpet. The room is seeing a higher level of active use than originally envisioned, with several recreation department programs occurring there every week. Carpeted areas are beginning to show signs of wear and tear as a result. Staff believes that by 2023 replacement will be needed, and is recommending that the carpeted areas be replaced with the more durable vinyl plank flooring. Due to acoustic challenges in the room, the city may want to pair this with the addition of soft surface materials elsewhere in the room to absorb sound.

Justification

By 2023 the current flooring will be beyond the manufacturers recommended useful life. Rather than replace a less than ideal situation at that time, it makes sense to switch to a more durable material given the nature of the use of the facility. Including some sound deafening materials is advisable if we are increasing the hard floor surface area, which is built into the cost estimate.

Expenditures	2020	2021	2022	2023	2024	Total
Maintenance				40,000		40,000
Total				40,000		40,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				40,000		40,000
Total				40,000		40,000

Budget Impact/Other

This project is not anticipated to have an annual impact on the operating budget.

STREETS PROJECTS

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Description	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
STREET RECONSTRUCTION - Location					
Crossing Ridge & Grandview Reconstruction	\$ 2,875,000	\$ -	\$ -	\$ -	\$ -
Buena Vista, Beech & Conrad Alley Reconstruction	2,018,000	-	-	-	-
Jerico Lane Reconstruction	1,337,000	-	-	-	-
Borings for 2021 Street Reconstruction Design*	20,000	-	-	-	-
Bristol St & Lane St Road Improvements	-	1,600,000	-	-	-
Miller Street and Trapp Street Reconstruction	-	1,226,000	-	-	-
Juniper Street Reconstruction	-	870,000	-	-	-
Summit, Maynard, Robert & William Rd Improvements	-	-	3,261,000	-	-
Lincoln/Maynard/Paul/Woodland Street Recon	-	-	2,973,000	-	-
Colorado Avenue & Walmar Drive Reconstruction	-	-	-	2,191,000	-
Emerald, Coral, Ivory & Diamond Road Improvements	-	-	-	1,804,000	-
Broome/Scenic Ridge/Athletic/Fitness/Tower Rd Impr	-	-	-	-	1,851,000
Emerald Terrace Reconstruction	-	-	-	-	1,644,000
Wyoming Ave Reconstruction	-	-	-	-	883,000
Jeanne Ct & Barbara St Road Improvements	-	-	-	-	821,000
Total Reconstruction Cost	\$ 6,250,000	\$ 3,696,000	\$ 6,234,000	\$ 3,995,000	\$ 5,199,000

Description	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
STREET PAVEMENT REHAB - Location					
Old Indian Mound Trail, Sumter Pavement Rehab	\$ 357,000	\$ -	\$ -	\$ -	\$ -
Concrete Road Repair - Various	35,000	35,000	-	-	-
Dewey, Chase & Blankenheim Pavement Rehabilitation	-	1,010,000	-	-	-
Castle/Fountain/Sapphire/Rustic/Oconto Rehab	-	640,000	-	-	-
Effingham/Insbrooke/Broadway Rehab	-	-	696,000	-	-
Craftsman Way Pavement Rehabilitation	-	-	180,000	-	-
Stonehaven/Boulder/Kuhle/Terrace/Pebblebrook Rehab	-	-	-	760,000	-
N. Bird Street Pavement Rehabilitation	-	-	-	669,000	-
O'Keeffe & Linnerud Pavement Rehab & Clarmar SW	-	-	-	648,000	-
St. Albert the Great & Stonehaven Drive Pave Rehab	-	-	-	458,000	-
Carrington/Essex/Chalfont/Eddington Pavement Rehab	-	-	-	-	485,000
Steven Street & Courts Pavement Rehabilitation	-	-	-	-	319,000
Total Rehab Cost	\$ 392,000	\$ 1,685,000	\$ 876,000	\$ 2,535,000	\$ 804,000

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Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 206063
Project Name Crossing Ridge & Grandview Reconstruction

Type Replacement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:

Grandview Drive - Fitness to Tower [TR]
 Grandview Court - Grandview to End [PR]
 Crossing Ridge Trail - Tower to Grandview +150' [TR]
 Crossing Ridge Court - Crossing Ridge to End [PR]

Sidewalk will be added to Grandview Court and Crossing Ridge Court.

The typical total reconstruction project involves construction that extends from right-of-way to right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate basecourse. New sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction method of street reconstruction.

This project's limits are Tower to Grandview.

Justification

Streets proposed as part of the total reconstruction program are typically older streets; generally more than 35 years past the date of their original construction. These streets typically require extensive upgrades to existing underground utilities. Due to these factors, the streets are no longer candidates for the less expensive and less disruptive pavement rehabilitation form of construction.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	2,875,000					2,875,000
Total	2,875,000					2,875,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	1,811,000					1,811,000
Stormwater Fund	523,000					523,000
Sun Prairie Utilities	524,000					524,000
Wastewater Fund	17,000					17,000
Total	2,875,000					2,875,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 206055
Project Name Buena Vista, Beech & Conrad Alley Reconstruction

Type Replacement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Beech Court - Davison to end
 Buena Vista Drive - Ruby to N. Bird
 Conrad Alley - Buena Vista to Buena Vista

The typical total reconstruction project involves construction contained within the right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate base course. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction projects.

Justification

Streets proposed as a total reconstruction are typically older streets; generally more than 30 years past the date of their original construction. These streets typically require extensive upgrades to existing underground utilities. Due to these factors the streets are no longer candidates for the less expensive and less disruptive pavement rehabilitation form of construction.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	2,018,000					2,018,000
Total	2,018,000					2,018,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	1,156,000					1,156,000
Stormwater Fund	100,000					100,000
Sun Prairie Utilities	668,000					668,000
Wastewater Fund	94,000					94,000
Total	2,018,000					2,018,000

Budget Impact/Other

This project is not expected to have an operational budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 206064
Project Name Jerico Lane Reconstruction

Type Replacement
Useful Life 25 years
Category Street Reconstruction

Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
Jerico Lane - Steven to Renstone Plat

The typical total reconstruction project involves construction contained within the right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate base course. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction projects.

Justification

Streets proposed as a total reconstruction are typically older streets; generally more than 30 years past the date of their original construction. These streets typically require extensive upgrades to existing underground utilities. Due to these factors the streets are no longer candidates for the less expensive and less disruptive pavement rehabilitation form of construction.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	1,337,000					1,337,000
Total	1,337,000					1,337,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	1,063,000					1,063,000
Stormwater Fund	270,000					270,000
Sun Prairie Utilities	2,000					2,000
Wastewater Fund	2,000					2,000
Total	1,337,000					1,337,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 206058
Project Name Boring for 2021 Street Projects

Type Replacement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description **Total Project Cost:** \$20,000

Borings for the 2020 Street reconstruction project design – City Engineering Staff will be working on designing the 2021 projects in 2020 at an approximate cost of \$20,000. This will allow for better estimates of costs and project scope as the City moves into the 2021 budget period.

Justification

Street Reconstruction projects require engineering design to determine proper road replacement. Staff utilizes existing subsoil information to determine proper road build. This work is contracted out to firms specializing in performing borings.

Expenditures	2020	2021	2022	2023	2024	Total
Professional Services	20,000					20,000
Total	20,000					20,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	20,000					20,000
Total	20,000					20,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 216056
Project Name Bristol St & Lane St Road Improvements

Type Improvement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:

N. Bristol Street - Main to Klubertanz [PR]
 N. Bristol Street - Tower to Progress [PR]
 S. Bristol Street - Linnerud to Main [PR]
 W. Lane Street - South to S. Bristol [TR]

The portions of Bristol Street are scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

West Lane Street will be reconstructed. The typical total reconstruction project involves construction contained within the right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate base course. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction projects.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Streets proposed as a total reconstruction are typically older streets; generally more than 30 years past the date of their original construction. These streets typically require extensive upgrades to existing underground utilities. Due to these factors the streets are no longer candidates for the less expensive and less disruptive pavement rehabilitation form of construction.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		1,600,000				1,600,000
Total		1,600,000				1,600,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		1,181,000				1,181,000
Stormwater Fund		16,000				16,000
Sun Prairie Utilities		301,000				301,000
Wastewater Fund		102,000				102,000
Total		1,600,000				1,600,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 206057
Project Name Miller Street and Trapp Street Reconstruction

Type Replacement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Miller Street - Davis to Knorr
 Trapp Street - Davis to Wagner Ct.

The typical total reconstruction project involves construction contained within the right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate base course. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction projects.

Justification

Streets proposed as a total reconstruction are typically older streets; generally more than 30 years past the date of their original construction. These streets typically require extensive upgrades to existing underground utilities. Due to these factors the streets are no longer candidates for the less expensive and less disruptive pavement rehabilitation form of construction.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		1,226,000				1,226,000
Total		1,226,000				1,226,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		940,000				940,000
Stormwater Fund		130,000				130,000
Sun Prairie Utilities		149,000				149,000
Wastewater Fund		7,000				7,000
Total		1,226,000				1,226,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 216057
Project Name Juniper Street Reconstruction

Type Replacement
Useful Life 25 years
Category Street Reconstruction

Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Juniper Street - Aspen to Vandenburg

The typical total reconstruction project involves construction contained within the right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate base course. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction projects.

Justification

Streets proposed as a total reconstruction are typically older streets; generally more than 30 years past the date of their original construction. These streets typically require extensive upgrades to existing underground utilities. Due to these factors the streets are no longer candidates for the less expensive and less disruptive pavement rehabilitation form of construction.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		870,000				870,000
Total		870,000				870,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		442,000				442,000
Stormwater Fund		127,000				127,000
Sun Prairie Utilities		275,000				275,000
Wastewater Fund		26,000				26,000
Total		870,000				870,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 226013
Project Name Summit, Maynard, Robert & William Rd Improvements

Type Replacement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
Summit Avenue - Bird to Klubertanz [TR]
Maynard Drive - Rober to Summit [PR]
Robert Drive - Maynard to Maynard [TR]
William Drive - Summit to Robert [TR]

Maynard Drive is scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

The typical total reconstruction project involves construction contained within the right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate base course. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction projects.

Justification

Streets considered for the pavement rehabilitation form of construction were originally constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Streets proposed as a total reconstruction are typically older streets; generally more than 30 years past the date of their original construction. These streets typically require extensive upgrades to existing underground utilities. Due to these factors the streets are no longer candidates for the less expensive and less disruptive pavement rehabilitation form of construction.

Expenditures	2020	2021	2022	2023	2024	Total
Construction			3,261,000			3,261,000
Total			3,261,000			3,261,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing			1,936,000			1,936,000
Stormwater Fund			418,000			418,000
Sun Prairie Utilities			794,000			794,000
Wastewater Fund			113,000			113,000
Total			3,261,000			3,261,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 246001
Project Name Lincoln/Maynard/Paul/Woodland Street Recon

Type Improvement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:

Lincoln Drive - N. Bird to Paul
 Maynard Drive - Paul to Union
 Paul Street - Windsor to Woodland
 Woodland Drive - Lincoln to Summit

Sidewalk added to E. side of Union and Maynard Dr.

The typical total reconstruction project involves construction contained within the right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate base course. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is also replaced. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction projects.

Justification

Streets proposed as a total reconstruction are typically older streets; generally more than 30 years past the date of their original construction. These streets require extensive upgrades to existing underground utilities. Due to these factors the streets are no longer candidates for the less expensive and less disruptive pavement rehabilitation form of construction.

Expenditures	2020	2021	2022	2023	2024	Total
Construction			2,973,000			2,973,000
Total			2,973,000			2,973,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing			1,752,000			1,752,000
Stormwater Fund			327,000			327,000
Sun Prairie Utilities			782,000			782,000
Wastewater Fund			112,000			112,000
Total			2,973,000			2,973,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 236003
Project Name Colorado Avenue & Walmar Drive Reconstruction

Type Improvement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Colorado Avenue - Thompson to Broadway
 Walmar Drive - Wyoming to Michigan

This street is scheduled for total reconstruction. The typical reconstruction project involves construction contained within the right-of-way. All curb and gutter, bituminous asphalt pavement, and crushed aggregate base course are replaced. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced as well. Sanitary sewer upgrades or repairs are considered as well.

Justification

Streets proposed for total reconstruction are typically older streets; generally more than 30 years past the original construction date. During the total reconstruction process, storm sewer inlets and pipes and active sump pumps are added or replaced.

Expenditures	2020	2021	2022	2023	2024	Total
Construction				2,191,000		2,191,000
Total				2,191,000		2,191,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				1,206,000		1,206,000
Stormwater Fund				184,000		184,000
Sun Prairie Utilities				786,000		786,000
Wastewater Fund				15,000		15,000
Total				2,191,000		2,191,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 216035
Project Name Emerald, Coral, Ivory & Diamond Road Improvements

Type Replacement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:

Coral Drive - Ivory to Beech [PR]

Diamond Court - Emerald to end [PR]

Emerald Terrace - Crystal to Coral [TR]

Ivory Drive - Rickel to Coral [TR]

Emerald Terrace and Ivory Drive are scheduled for total reconstruction. The typical total reconstruction project involves construction contained within the right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate base course. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction projects.

Coral Drive and Diamond Court are scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

Justification

Streets proposed as a total reconstruction are typically older streets; generally more than 30 years past the date of their original construction. These streets require extensive upgrades to existing underground utilities. Due to these factors the streets are no longer candidates for the less expensive and less disruptive pavement rehabilitation form of construction.

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction				1,804,000		1,804,000
Total				1,804,000		1,804,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				981,000		981,000
Stormwater Fund				290,000		290,000
Sun Prairie Utilities				406,000		406,000
Wastewater Fund				127,000		127,000
Total				1,804,000		1,804,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 226036
Project Name Broome/Scenic Ridge/Athletic/Fitness/Tower Rd Impr

Type Replacement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:

Broome Street - Grandview to Tower (TR)
 Scenic Ridge Pass - Tower to Grandview (TR)
 Scenic Court - Scenic Ridge Pass to End (PR)
 Athletic Way - Fitness to Athletic Way(private) (PR)
 Fitness Run - Athletic to Grandview (PR)
 Tower Drive - Fitness to 450' east (PR)

These streets are scheduled for Pavement Rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb & gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

The typical Total Reconstruction project involves construction that extends from right-of-way to right-of-way. The reconstruction will typically involve the removal and replacement of all curb & gutter; replacement of the bituminous asphalt pavement; and replacement of the crushed aggregate basecourse. New sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the Total Reconstruction method of street reconstruction.

Justification

Streets considered for the Pavement Rehabilitation form of construction were typically originally constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction; requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Streets proposed as part of the Total Reconstruction program are typically older streets; generally more than 35 years past the date of their original construction. These streets typically require extensive upgrades to existing underground utilities. Due to these factors, the streets are no longer candidates for the less expensive and less disruptive Pavement Rehabilitation form of construction.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					1,851,000	1,851,000
Total					1,851,000	1,851,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					1,184,000	1,184,000
Stormwater Fund					288,000	288,000
Sun Prairie Utilities					365,000	365,000
Wastewater Fund					14,000	14,000
Total					1,851,000	1,851,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 226035
Project Name Emerald Terrace Reconstruction

Type Replacement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Emerald Terrace - Coral to Davison

The typical total reconstruction project involves construction contained within the right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate base course. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction projects.

Justification

Streets proposed as a total reconstruction are typically older streets; generally more than 30 years past the date of their original construction. These streets typically require extensive upgrades to existing underground utilities. Due to these factors the streets are no longer candidates for the less expensive and less disruptive pavement rehabilitation form of construction.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					1,644,000	1,644,000
Total					1,644,000	1,644,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					903,000	903,000
Stormwater Fund					274,000	274,000
Sun Prairie Utilities					410,000	410,000
Wastewater Fund					57,000	57,000
Total					1,644,000	1,644,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 226037
Project Name Wyoming Ave Reconstruction

Type Improvement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Wyoming Avenue - N Thompson to Broadway

The typical total reconstruction project involves construction contained within the right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate base course. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction projects.

Justification

Streets proposed as a total reconstruction are typically older streets; generally more than 30 years past the date of their original construction. These streets typically require extensive upgrades to existing underground utilities. Due to these factors the streets are no longer candidates for the less expensive and less disruptive pavement rehabilitation form of construction.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					883,000	883,000
Total					883,000	883,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					860,000	860,000
Stormwater Fund					11,000	11,000
Sun Prairie Utilities					2,000	2,000
Wastewater Fund					10,000	10,000
Total					883,000	883,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 216036
Project Name Jeanne Ct & Barbara St Road Improvements

Type Replacement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Barbara Street - Clara to Laura [TR]
 Jeanne Court - Barbara to end [PR]

These streets are scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					821,000	821,000
Total					821,000	821,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					484,000	484,000
Stormwater Fund					61,000	61,000
Sun Prairie Utilities					241,000	241,000
Wastewater Fund					35,000	35,000
Total					821,000	821,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 206024
Project Name Old Indian Mound Trail, Sumter Pavement Rehab

Type Improvement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Arrowhead Circle - Thomas to end
 Glenview Lane - Hanley to Thomas
 Old Indian Mound Tr. - Harvest to Woodview
 Sumter Circle - Pilgrim to end
 Sunnyview Lane - Thomas to Thomas
 Thunderbird Lane - Thomas to Thomas
 Walbridge Circle - Pilgrim to Pilgrim
 Westover Circle - Thomas to end

These streets are scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	357,000					357,000
Total	357,000					357,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	329,000					329,000
Stormwater Fund	6,000					6,000
Sun Prairie Utilities	8,000					8,000
Wastewater Fund	14,000					14,000
Total	357,000					357,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 176018
Project Name Concrete Road Repair - Various

Type Improvement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Public Works
Contact Public Works Director
Priority 3 Average



Description

Repair sections of concrete on Grand Ave, Windsor Street, Main Street, and Linnerud Drive. Each street has sections of lateral and horizontal cracking, buckling, voids enter the concrete and crumbling of the material. These are large dollar repairs that need to be completed by contractors.

Justification

These repairs can be completed over a period of time, but some need to start within a year to avoid emergency repairs when the road fails and is impassable.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	35,000	35,000				70,000
Total	35,000	35,000				70,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	35,000	35,000				70,000
Total	35,000	35,000				70,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 216058
Project Name Dewey, Chase & Blankenheim Pavement Rehabilitation

Type Replacement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:

Blankenheim Lane - Chase to Thomas

Chase Boulevard - Dewey to Blankenheim

Dewey Street - Main to End

These streets are scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

A sidewalk will be added to Blankenheim from Chase Boulevard to Thomas; this sidewalk section is along Blankenheim Park.

A sidewalk will be added on Chase Boulevard from Dewey to Blankenheim.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

This project includes adding sidewalk along Blankenheim Park, as requested by the Public Works Committee at the April 24, 2018, meeting. Committee members indicated residents have expressed safety concerns about traveling to Blankenheim Park and the park playground without a sidewalk.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		1,010,000				1,010,000
Total		1,010,000				1,010,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		830,000				830,000
Stormwater Fund		143,000				143,000
Sun Prairie Utilities		3,000				3,000
Wastewater Fund		34,000				34,000
Total		1,010,000				1,010,000

Budget Impact/Other

This streets portion of this project is not expected to have an operating budget impact.

The addition of sidewalk will require city personnel to clear snow from the sidewalk where the sidewalk is adjacent to city property. The operating budget impact will be marginal and can be absorbed in the current budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 216037
Project Name Castle/Fountain/Sapphire/Rustic/Oconto Rehab

Type Improvement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Fireside Court - Fountain to end
 Fountain Drive - Sapphire to Andaman
 Oconto Drive - Clarmar to Fountain
 Rustic Drive - Clarmar to Fountain
 Sapphire Way - Clarmar to Castle
 Villa Circle - Castle to end
 Castle Drive - Sapphire to Andaman
 Walker Court - Andaman to end

These streets are scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		640,000				640,000
Total		640,000				640,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		603,000				603,000
Stormwater Fund		4,000				4,000
Sun Prairie Utilities		11,000				11,000
Wastewater Fund		22,000				22,000
Total		640,000				640,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 216039
Project Name Effingham/Innsbrooke/Broadway Rehab

Type Improvement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Broadway Drive - St Albert to Stonehaven
 Effingham Way - N Thompson to Innsbrooke
 Innsbrooke Drive - Thompson to Eddington
 New Haven Circle - Broadway to end
 Summerton Court - Innsbrooke to end

These streets are scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction			696,000			696,000
Total			696,000			696,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing			663,000			663,000
Stormwater Fund			5,000			5,000
Sun Prairie Utilities			7,000			7,000
Wastewater Fund			21,000			21,000
Total			696,000			696,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 226031
Project Name Craftsman Way Pavement Rehabilitation

Type Replacement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Craftsman Way - S. Bird to Linnerud

This street is scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction			180,000			180,000
Total			180,000			180,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing			175,000			175,000
Stormwater Fund			1,000			1,000
Sun Prairie Utilities			1,000			1,000
Wastewater Fund			3,000			3,000
Total			180,000			180,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 226029
Project Name Stonehaven/Boulder/Kuhle/Terrace/Pebblebrook Rehab

Type Improvement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:

Boulder Way - Stonehaven to Terrace Chase
 Kuhle Drive - Broome to Terrace Chase
 Pebblebrook Trail - Stonehaven Terrace Limits
 Sandridge Trail - Kuhle to 580' west
 Stonehaven Drive - Boulder Way +/- to Bristol
 Terrace Chase - Pebblebrook to Bristol

These street are scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

This project includes sidewalk installation on both sides of Terrace Chase to connect an existing sidewalk gap, as well as sidewalk on one side of Stonewood Crossing.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the basecourse beneath the bituminous asphalt pavement.

The sidewalk segment will connect the asphalt path through Stoneridge Park and the asphalt path adjacent to N. Bristol Street with a 5' sidewalk through various single family homes.

Expenditures	2020	2021	2022	2023	2024	Total
Construction				760,000		760,000
Total				760,000		760,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				729,000		729,000
Stormwater Fund				1,000		1,000
Sun Prairie Utilities				9,000		9,000
Wastewater Fund				21,000		21,000
Total				760,000		760,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 236008
Project Name N. Bird Street Pavement Rehabilitation

Type Replacement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:

N. Bird Street - Buena Vista to Windsor

North Bird Street is scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction				669,000		669,000
Total				669,000		669,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				606,000		606,000
Stormwater Fund				1,000		1,000
Sun Prairie Utilities				1,000		1,000
Wastewater Fund				61,000		61,000
Total				669,000		669,000

Budget Impact/Other

This project will not have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 226023
Project Name O'Keeffe & Linnerud Pavement Rehab & Clarmar SW

Type Improvement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 3 Average



Description

Streets Included:

O'Keeffe Avenue - Plat Line to Sunfield

Linnerud Drive - O'Keeffe to Clarmar

Includes a sidewalk addition on Clarmar from Echo to Linnerud

This street is scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction				648,000		648,000
Total				648,000		648,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				636,000		636,000
Stormwater Fund				4,000		4,000
Sun Prairie Utilities				4,000		4,000
Wastewater Fund				4,000		4,000
Total				648,000		648,000

Budget Impact/Other

This project will not have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 236012
Project Name St. Albert the Great & Stonehaven Drive Pave Rehab

Type Improvement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 3 Average



Description

Streets Included:
 St. Albert the Great - CTH C to N. Thompson
 Stonehaven Drive - CTH C to Dolan

These streets are scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

Justification

Streets considered for the pavement rehabilitation form of construction were typically originally constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction; requiring the replacement of all the curb and gutter and perhaps the replacement of the base course beneath the bituminous asphalt pavement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction				458,000		458,000
Total				458,000		458,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				440,000		440,000
Stormwater Fund				3,000		3,000
Sun Prairie Utilities				5,000		5,000
Wastewater Fund				10,000		10,000
Total				458,000		458,000

Budget Impact/Other

This project will not have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 216008
Project Name Carrington/Essex/Chalfont/Eddington Pavement Rehab

Type Improvement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Carrington Drive - Eddington to Chalfont
 Essex Drive - Eddington to Chalfont
 Chalfont Drive - Steven to St. Albert
 Eddington Drive - Steven to St. Albert

These streets are scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the basecourse beneath the bituminous asphalt pavement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					485,000	485,000
Total					485,000	485,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					460,000	460,000
Stormwater Fund					5,000	5,000
Sun Prairie Utilities					5,000	5,000
Wastewater Fund					15,000	15,000
Total					485,000	485,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 206028
Project Name Steven Street & Courts Pavement Rehabilitation

Type Replacement
Useful Life 25 years
Category Street Pavement Rehabilitation
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
 Cobblestone Court - Steven to End
 Huntwick Court - Steven to End
 Harwood Court - Steven to End
 Steven Street - Eddington to Blaser
 Windemere Court - Steven to End

This street is scheduled for pavement rehabilitation, which includes full depth pulverization of the bituminous asphalt pavement and spot repairs to the curb and gutter. This type of reconstruction can be expected approximately 25 years after the street is initially constructed.

Justification

Streets considered for the pavement rehabilitation form of construction were typically constructed 20 to 30 years ago. Streets that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause a street to fall into a much more expensive form of construction: requiring the replacement of all the curb and gutter and perhaps the replacement of the basecourse beneath the bituminous asphalt pavement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					319,000	319,000
Total					319,000	319,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					304,000	304,000
Stormwater Fund					1,000	1,000
Sun Prairie Utilities					5,000	5,000
Wastewater Fund					9,000	9,000
Total					319,000	319,000

Budget Impact/Other

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WEST SIDE TRAFFIC IMPACT FEE PROJECTS

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CITY OF
SUN PRAIRIE
Wisconsin

Capital Improvement Plan Westside Traffic Improvement Plan

Description	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
LOCATION -Traffic Impact Fees Fund					
S. Thompson Road Reconstruction (60.16% TI)	\$ 110,093	\$ -	\$ -	\$ -	\$ -
Grand-Hoepker Intersection Expansion (59.48% TI)	-	63,049	802,980	-	-
Rattman-Main Traffic Signals (45.77% TI)*	-	-	-	150,286	-
O'Keeffe-Leopold Traffic Signals (64.47% TI)*	-	-	-	-	239,902
Total Cost	\$ 110,093	\$ 63,049	\$ 802,980	\$ 150,286	\$ 239,902

*New construction detailed project descriptions are located in the section labeled "[New/Upgraded Capital Projects](#)".

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Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 206061
Project Name S. Thompson Road Reconstruction

Type Replacement
Useful Life 25 years
Category Street Reconstruction
Department Engineering
Contact City Engineer
Priority 2 High



Description

Streets Included:
N. Thompson Road - Main to 600' south

The typical total reconstruction project involves construction contained within the right-of-way. The reconstruction will typically involve the removal and replacement of all curb and gutter, replacement of the bituminous asphalt pavement, and replacement of the crushed aggregate base course. Sidewalks are typically installed on both sides of the street on these projects. New storm sewer will be added, and often times the existing water main is replaced at this time as well. Sanitary sewer upgrades or repairs will be considered along with the total reconstruction projects.

This project is a continuation of the 2018 reconstruction of S. Thompson Road south of this location.

Justification

Streets proposed as a total reconstruction are typically older streets; generally more than 30 years past the date of their original construction. These streets typically require extensive upgrades to existing underground utilities. Due to these factors the streets are no longer candidates for the less expensive and less disruptive Pavement Rehabilitation form of construction.

This street requires frequent public works maintenance activity to patch the road.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	668,000					668,000
Total	668,000					668,000

Funding Sources	2020	2021	2022	2023	2024	Total
Grants & Donations	189,907					189,907
Stormwater Fund	183,000					183,000
Sun Prairie Utilities	180,000					180,000
Traffic Impact Fee Fund	110,093					110,093
Wastewater Fund	5,000					5,000
Total	668,000					668,000

Budget Impact/Other

This project is not expected to have an operational budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

Data in Year 2020 and 2024



Project # 206070
Project Name Grand-Hoepker Intersection Expansion

Type Improvement
Useful Life 45 years
Category Street Construction
Department Planning
Contact Planning Director
Priority 3 Average



Description

Expand the capacity of the Grand-Hoepker intersection by adding additional turn lanes as necessary to accommodate anticipated traffic volumes and turning movements at this intersection.

Justification

As additional development, particularly commercial retail development, continues on the city's westside, the need for additional capacity at this intersection will increase. When the intersection was initially constructed, it was designed to accommodate anticipated traffic over the short run. Right of way exists to add turn lanes as needed when volumes and turning movements dictate that these improvements occur. This design allowed some costs to be deferred, and will extend the useful life of the improvements by deferring construction until such time that the improvements are needed. It is anticipated that these improvements will be needed by 2021. The city has been collecting fees for this project as part of the Westside Traffic Impact Fee program and must use the funds within the timeframe of that program.

Expenditures	2020	2021	2022	2023	2024	Total
Design		106,000				106,000
Construction			1,350,000			1,350,000
Total		106,000	1,350,000			1,456,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		34,259	436,320			470,579
TIF Borrowing		8,692	110,700			119,392
Traffic Impact Fee Fund		63,049	802,980			866,029
Total		106,000	1,350,000			1,456,000

Budget Impact/Other

The changes to this intersection are not expected to have a significant operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

Data in Year 2020 and 2024



Project # 236020
Project Name Rattman-Main Traffic Signals

Type New
Useful Life 20 years
Category Traffic Signal
Department Planning
Contact Planning Director
Priority 3 Average



Description

Install traffic signals at the intersection of Rattman Road and West Main Street, located at the western terminus of Main Street in the city. This intersection should be studied periodically to determine when signals are warranted.

Justification

This is an impact fee project that the city is collecting fees to complete, and must be completed within a reasonable timeframe as part of the impact fee program. It is anticipated that signals may be warranted here by 2023, and installation may correspond with the reconstruction of Rattman Road (also an impact fee project).

Expenditures	2020	2021	2022	2023	2024	Total
Construction				328,350		328,350
Total				328,350		328,350

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				178,064		178,064
Traffic Impact Fee Fund				150,286		150,286
Total				328,350		328,350

Budget Impact/Other

This project is not expected to affect operating budget expenditures.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

Data in Year 2020 and 2024



Project # 246020
Project Name O'Keeffe-Leopold Traffic Signals

Type New
Useful Life 20 years
Category Traffic Signal
Department Planning
Contact Community Development Director
Priority 3 Average



Description

Install traffic signals at the O'Keeffe Avenue - Leopold Way intersection within the Smith's Crossing neighborhood.

Justification

This is an impact fee project that the city has been collecting fees to complete. The signals should be installed within a reasonable timeframe under the impact fee program. O'Keeffe is an arterial street that is expected to experience increased traffic as additional development occurs in the area. Leopold is a collector street that has recently been extended and will connect with Clarmar Drive in the coming years as the McCoy Addition builds out, which will result in a significant increase in traffic volumes along this street as well.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					372,114	372,114
Total					372,114	372,114

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					132,212	132,212
Traffic Impact Fee Fund					239,902	239,902
Total					372,114	372,114

Budget Impact/Other

This project is not expected to affect operating budget expenditures.

MULTIMODAL PROJECTS

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CITY OF
SUN PRAIRIE
Wisconsin

Capital Improvement Plan Multimodal Projects

Location	LF	From	To	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected	Comments
SIDEWALK									
Crossing Ridge/Grandview Sidewalk	485	Grandview Dr.	Stonehaven Dr.	\$ 60,000	\$ -	\$ -	\$ -	\$ -	Pavmt. Rehab 2020
Union Street and Maynard Sidewalk	615	Union St.	Robert Dr.	-	-	80,000	-	-	Pavmt. Rehab 2022
Stonewood Crossing Sidewalk	830	550' West of Terrace Chase	300' East of Terrace Chase	-	-	-	70,000	-	Pavmt. Rehab 2023
Terrace Chase Sidewalk	725	Pebblebrook	Bristol	-	-	-	60,000	-	Pavmt. Rehab 2023
Clarmar Drive Sidewalk	935	South of Echo	Linnerud	-	-	-	55,000	-	Pavmt. Rehab 2023
Total Cost				\$ 60,000	\$ -	\$ 80,000	\$ 185,000	\$ -	

Location	LF	From	To	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected	Comments
MULTIMODAL									
N. Bristol Street Multi-use Path Replacement	665	West side from concrete / asphalt transition south of nb 151 off ramp	Sb 151 ramp	\$ 100,000	\$ -	\$ -	\$ -	\$ -	Pavement replacement
Trail Connection Design*	N/A	Design		42,000	-	-	-	-	For new trail links.
HAWK Pedestrian Crossing*				240,000	-	-	-	-	
Commercial Avenue Multi-use Path Replacement	1,874	South side Kroncke	Bird	-	110,640	-	-	-	Pavement replacement
Uplands-Carriage Hill Estates Park Trail Link*	850	Valley Ridge Dr	E. Main Street	-	87,000	-	-	-	For new trail links.
Sheehan Park - Scenic Point Trail Link*	2,400	Sheehan Park	Heritage Ct.	-	-	-	250,000	-	For new trail links.
Grove Street Multi-Use Path Replacement	1,246	East side Robin Drive	Around coner to Wood Violet Ln on Main St	-	-	-	-	190,980	Pavement replacement
Willowbrook Park Trail Link*	1,200	north side of Carriage Dr	Willowbrook Park	-	-	-	-	86,000	For new trail links.
Sunny Valley Park Multi-Use Path Replacement	406	Fountain Drive	Castle Drive	-	-	-	-	30,000	Replace at same time as playground replacement
Total Cost				\$ 382,000	\$ 197,640	\$ -	\$ 250,000	\$ 306,980	

*New construction detailed project descriptions are located in the section labeled "[New/Upgraded Capital Projects](#)".

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Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 206052
Project Name N. Bristol Street Multi-use Path Replacement

Type Replacement
Useful Life 25 years
Category Multimodal
Department Public Works
Contact Public Works Director
Priority 3 Average



Description

Mill and overlay the existing bike path on the east side of North Bristol Street from Wilburn Road to Klubertanz. Portions of the path are currently 8 feet wide while other sections are 10 feet wide. The bike paths will be replaced with a consistent 10 foot wide path.

Justification

The bike path on the east side of North Bristol Street, from Wilburn Road to Klubertanz is cracked and deteriorated and has out-lived its useful life.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	100,000					100,000
Total	100,000					100,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	100,000					100,000
Total	100,000					100,000

Budget Impact/Other

A new bike path will require less crack sealing and patching, producing small operating budget savings in the first years of the new path. The savings will be minor and therefore a dollar amount is not noted.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 204008
Project Name Trail Connection Design

Type Improvement
Useful Life 25 years
Category Multimodal

Department Planning
Contact Community Development Direct
Priority 3 Average



Description

This project would fund the design and permitting of several off-street bike-ped trail connections being proposed within the 2020 - 2024 CIP. Each connection would fill a gap in the existing trail network to improve continuity in the off-street network. This work will help refine the precise routes and permitting needs associated with each connection, as well as the estimated budgets for each project. Projects include the Carriage Hill Estates Park trail connection, the Willowbrook Park Trail Connection, and the Sheehan Park-Scenic Pointe trail connection.

Justification

Public engagement efforts during the 2018 comprehensive plan project revealed a strong preference for an enhanced off-street trail network by the community. In addition, concerns and dissatisfaction with the number of gaps and disconnected trails were expressed strongly by many focus groups that participated in the process. The preparation of an Active Transportation Plan that would identify and prioritize potential trail projects is a likely recommendation that will be included in the upcoming comprehensive plan. However, this project will allow the city to begin addressing this community preference priority by beginning to fill known gaps sooner, versus waiting for the adoption of such a plan.

Expenditures	2020	2021	2022	2023	2024	Total
Design	42,000					42,000
Total	42,000					42,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	42,000					42,000
Total	42,000					42,000

Budget Impact/Other

This project is not anticipated to have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 216051
Project Name Commercial Avenue Multi-use Path Replacement

Type Replacement
Useful Life 25 years
Category Multimodal
Department Public Works
Contact Public Works Director
Priority 3 Average



Description

Mill and overlay the existing bike path on the north side of Commercial Avenue from South Bird Street to Kroncke Drive. This is currently a 9 foot wide path which will be widened to a standard 10 foot path consistent with other city bike paths.

Justification

The bike path on the north side of Commercial Avenue, from South Bird Street to Kroncke Drive is cracked and deteriorated and has out-lived its useful life.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		110,640				110,640
Total		110,640				110,640

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		110,640				110,640
Total		110,640				110,640

Budget Impact/Other

A new bike path will require less crack sealing and patching, producing small operating budget savings in the first years of the new path. The savings will be minor and therefore a dollar amount is not noted.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

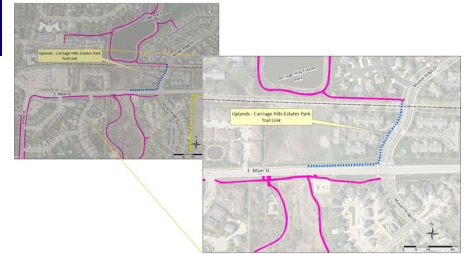
2020 *thru* 2024



Project # 214009
Project Name Uplands-Carriage Hill Estates Park Trail Link

Type Improvement
Useful Life 25 years
Category Multimodal

Department Planning
Contact Community Development Direct
Priority 3 Average



Description

This multi-use trail would close an existing gap between two existing trails, and connect neighborhoods on the north and south sides of East Main Street (STH 19). This trail section would provide a connection from the Uplands north to existing trails along the railroad tracks and leading to Carriage Hills Park. Cooperation will likely be needed from the railroad and the WisDOT due to proximity to the State Highway and rail corridor. The estimated cost includes \$30,000 for a HAWK-style pedestrian activated beacon for crossing East Main Street (STH 19).

Justification

One of the strongest themes to come out of the public engagement efforts associated with the comprehensive plan project is the community's desire for expanded off-road bicycle facilities and a better connected system of such facilities. This project would close a gap of about 850' on the city's eastside, connecting two existing trails, and provide a pedestrian/bike crossing of East Main Street.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		57,000				57,000
Equipment		30,000				30,000
Total		87,000				87,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		87,000				87,000
Total		87,000				87,000

Budget Impact/Other

Annual maintenance and snow removal will have an unspecified

Capital Improvement Plan

City of Sun Prairie, Wisconsin

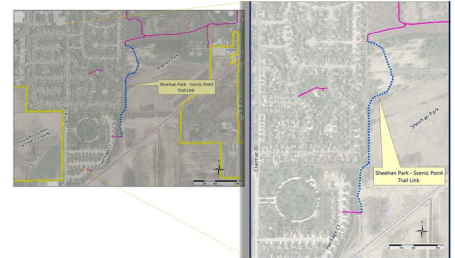
2020 *thru* 2024



Project # 234003
Project Name Sheehan Park - Scenic Point Trail Link

Type Improvement
Useful Life 25 years
Category Multimodal

Department Planning
Contact Community Development Direct
Priority 3 Average



Description

This multi-use path would connect the Scenic Point neighborhood to the trail system in Sheehan Park. This path would likely experience a high degree of use once the McCoy addition to Smith's Crossing neighborhood gets developed. Together with the network of off-street paths planned for the Smith's Crossing/McCoy addition, this link would be part of an off-street system that would link the downtown area to Reiner Road, and to beyond to both Sun Prairie's westside and Madison. The cost estimate provided for this project includes fill needed to construct the path adjacent to existing wetlands, as well as permitting costs associated with possibly filling in a portion of wetlands on the far SW side of Sheehan Park.

Justification

One of the strongest themes to come out of the public engagement efforts associated with the comprehensive plan project is the community's desire for expanded off-road bicycle facilities and a better connected system of such facilities. This project would close a gap of about 2,400' and help provide a more continuous path across the south side of the city, addressing these community desires.

Expenditures	2020	2021	2022	2023	2024	Total
Construction				250,000		250,000
Total				250,000		250,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund				250,000		250,000
Total				250,000		250,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 216052
Project Name Grove Street Multi-Use Path Replacement

Type Replacement
Useful Life 25 years
Category Multimodal
Department Public Works
Contact Public Works Director
Priority 3 Average



Description

Mill and overlay the existing bike path on Grove and Main Street; about 1/4 mile in length. This bike path is currently 8 feet wide in some areas and 10 feet wide in others. The path will be replaced with a consistent 10 foot wide path.

The project limits are:
 East side of Grove Street from Robin Drive to E. Main Street
 South side of East Main Street from Grove Street to South Musket Ridge Drive

Justification

The bike path on the east side of Grove Street, from Robin Drive to Main Street and the South side of East Main Street from Grove Street to South Musket Ridge is cracked and deteriorated and has out-lived its useful life.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					190,980	190,980
Total					190,980	190,980

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					190,980	190,980
Total					190,980	190,980

Budget Impact/Other

A new bike path will require less crack sealing and patching, producing small operating budget savings in the first years of the new path. The savings will be minor and therefore a dollar amount is not noted.

Capital Improvement Plan

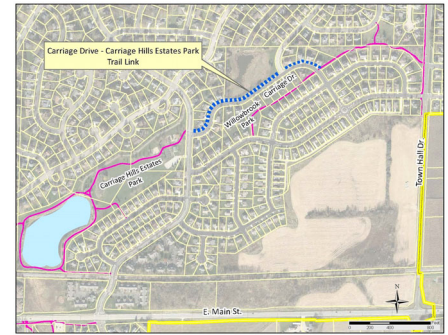
City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224013
Project Name Willowbrook Park Trail Link

Type Improvement
Useful Life 25 years
Category Multimodal
Department Planning
Contact Community Development Direct
Priority 3 Average



Description

This trail connection would close an existing gap between two existing trails on the east side of the city, and better connect residents east of Musket Ridge Drive to Carriage Hills Park. This link would add about 1,200' of trail along the north side of Carriage Drive. Limited right of way may be a challenge that needs to be overcome.

Justification

One of the strongest themes to come out of the public engagement efforts associated with the comprehensive plan project is the community's desire for expanded off-road bicycle facilities and a better connected system of such facilities. This project would close a gap of about 1,200' on the city's east side, and connect the Gardens at Willowbrook area, and potentially the upcoming Habitat development, to Carriage Hill Park and the downtown.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					86,000	86,000
Total					86,000	86,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					86,000	86,000
Total					86,000	86,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 226053
Project Name Sunny Valley Park Multi-Use Path Replacement

Type Replacement
Useful Life 25 years
Category Multimodal
Department Public Works
Contact Public Works Director
Priority 2 High



Description

Remove and raise a portion of the multi-use path that runs through Sunny Valley park. The path is 420 feet in length and 10 feet wide. There is a section of 180 feet of the path that needs to be removed and raised in elevation.

Justification

The path has a 180 foot section that is sunken and under water for a large portion of the year. The path needs to be removed, grading work completed, and the path raised approximately two feet.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					30,000	30,000
Total					30,000	30,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					30,000	30,000
Total					30,000	30,000

Budget Impact/Other

A new bike path will require less crack sealing and patching, producing small operating budget savings in the first years of the new path. The savings will be minor and therefore a dollar amount is not noted.

PARKS PROJECTS

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Description	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
CAPITAL ITEMS - Levy					
Vandenburg Heights Park Playground Replacement	\$ 56,750	\$ -	\$ -	\$ -	\$ -
Sunny Valley Park Playground Replacement	31,000	-	-	-	-
Sheehan East Park upper parking lot replacement	63,500	-	-	-	-
Reserve Plat Park Parking Lot*	-	-	120,000	-	-
Grandview Park Playground Replacement	-	32,000	-	-	-
Birkinbine Playground Replacement	-	28,000	-	-	-
Pheasant Run Park Playground Replacement	-	26,700	-	-	-
Royal Oaks Park Playground Replacement	-	-	40,000	-	-
Stonehaven Park Playground Replacement	-	-	38,500	-	-
Cardinal Crest Park Playground Replacement	-	-	-	33,500	-
Memorial Park Playground Replacement	-	-	-	31,750	-
Glacier Crossing Playground Replacement	-	-	-	25,000	-
Sheehan East Park lower parking lot rehabilitation	-	-	-	87,500	-
Evergreen Park Playground Replacement	-	-	-	-	43,500
Misty Meadow Park Playground Replacement	-	-	-	-	25,000
Carriage Hills Park Parking lot rehabilitation	-	-	-	-	37,700
Total Cost	\$ 151,250	\$ 86,700	\$ 198,500	\$ 177,750	\$ 106,200

Description	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
CAPITAL ITEMS - Park Fund					
Skate Park Additions	\$ 205,000	\$ -	\$ -	\$ -	\$ -
Splash Pad & Restrooms*	525,000	-	-	-	-
West Prairie Village Playground*	35,000	-	-	-	-
West Prairie Village Shelter*	-	45,000	-	-	-
Reserve Plat Dog Park Fencing*	-	40,000	-	-	-
Reserve Subdivision Playground*	-	35,000	-	-	-
Wetmore Park Shelter*	-	250,000	-	-	-
Smith's Crossing (McCoy Addition) Playground*	-	35,000	-	-	-
Smith's Crossing (McCoy Addition) Shelter	-	-	45,000	-	-
Reserve Plat Park Shelter*	-	-	325,000	-	-
Habitat for Humanity Playground*	-	-	35,000	-	-
Habitat for Humanity Shelter*	-	-	-	45,000	-
Sheehan Park - Scenic Point Trail Link*	-	-	-	250,000	-
Fox Point Multi-Use Court*	-	-	-	-	75,000
Total Cost	\$ 765,000	\$ 405,000	\$ 405,000	\$ 295,000	\$ 75,000

*New construction detailed project descriptions are located in the section labeled "[New/Upgraded Capital Projects](#)"

Beginning Balance	\$ 1,367,591	\$ 901,591	\$ 795,591	\$ 666,591	\$ 637,591
Annual Revenue	299,000	299,000	276,000	266,000	243,000
Expenditures	765,000	405,000	405,000	295,000	75,000
Projected Balance	<u>\$ 901,591</u>	<u>\$ 795,591</u>	<u>\$ 666,591</u>	<u>\$ 637,591</u>	<u>\$ 805,591</u>

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Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 202009
Project Name Vandenburg Heights Park Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 1 Mandatory



Description

The Vandenburg Heights Park playground was installed in 1992. The playground is divided into two user groups, a large modular playground for ages 5-12 and a smaller modular playground for ages 2-5. Swings, spring riders, and a sand box are also part of the playground. The playground is heavily used and many of the components are worn and need replacement. Beginning in 2012 the modular playground components in Vandenburg Park were no longer manufactured and parts are no longer available. The playground surface is sand and does not provide adequate safety surface and does not comply with CPSI standards.

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks changed to include new safety surfaces, larger use zones around play structures, and address accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. In 25 years time, the equipment must withstand the elements, wear and tear from everyday play, and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing, and other issues can present safety hazards if not corrected.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, code compliance, and availability of equipment to meet the needs of children from ages 2-12. Criteria include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to schedule two playgrounds per year, without duplicating replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up in each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	56,750					56,750
Total	56,750					56,750

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	56,750					56,750
Total	56,750					56,750

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance				4,000		4,000
Total				4,000		4,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 204007
Project Name Sunny Valley Park Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 1 Mandatory



Description

Sunny Valley Park playground was installed in 1988, with Lockville playground system components that were discontinued in 2005. Replacement parts needed to repair the playground are no longer available and retrofitting new components to the outdated system is not possible without sacrificing safety and altering the playground structure. The playground surfacing is sand, does not provide adequate safety surfacing, and needs to be replaced with a material that meets playground safety standards and provides ADA access to the playground activities.

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks were changed to include new safety surfaces, larger use zones around play structures, and address accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. That is 25 years of withstanding the elements, wear and tear from everyday play and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing, and other issues make some playgrounds a safety hazard.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, compliance with codes, and availability of equipment to meet the needs of children from ages 2-12. These renovations include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to distribute the replacement two (2) playgrounds per year to not duplicate the replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up with each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the Department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	31,000					31,000
Total	31,000					31,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	31,000					31,000
Total	31,000					31,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance				4,000		4,000
Total				4,000		4,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 204012
Project Name Sheehan East Park upper parking lot replacement

Type Replacement **Department** Public Works
Useful Life 25 years **Contact** Public Works Director
Category Street Pavement Rehabilitation **Priority** 2 High



Description

Parking lot replacement for Sheehan East Park upper parking lot. Base work required.

Justification

Parking lots considered for the pavement replacement form of construction were typically originally constructed 20 to 30 years ago. Parking lots that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. This parking lot will require some base replacement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	63,500					63,500
Total	63,500					63,500

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	63,500					63,500
Total	63,500					63,500

Budget Impact/Other

Crack filling will not have to be completed for about the first 3 to 4 years.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 204003
Project Name Reserve Plat Park Parking Lot

Type New
Useful Life 25 years
Category Park Land
Department Parks
Contact Public Works Director
Priority 3 Average



Description

A Parks Master Plan to parking lot layout, shelter. Playground, dog park and location of parks buildings and park amenities and engineer the parking lot, grading, stormwater, and utilities.
 Install a parking lot serving the Reserve Plat park land and dog park and shelter.

Justification

With the addition of the Reserve Plat in Sun Prairie, the city acquired an eight acre park at the north end of Thompson Road. The initial park design is to include a dog park, shelter with nature education facilities and bathrooms, parking lot, trails, and a playground. The city expects to start improvements to the park in 2020.

As development occurs, park impact fees are collected for the purpose of park creation and amenities.

Amenities to the park land will be added in the following order: (years will depend on the development rate of the sub-division)

1) Parking lot 2) Dog park fencing 3) Playground 4) Shelter with nature educational learning center and restrooms

Expenditures	2020	2021	2022	2023	2024	Total
Design			20,000			20,000
Construction			100,000			100,000
Total			120,000			120,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing			120,000			120,000
Total			120,000			120,000

Budget Impact/Other

This project will not have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214005
Project Name Grandview Park Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

The Grandview Park playground began with swings installed in 1976, freestanding equipment in 1993 and the addition of a small modular play structure in 2000. The playground components are worn from use. The safety surface used under the swings and preschool playground structure does not provide adequate safety surfacing. The surface needs to be replaced with a material that meets playground safety standards and provides ADA access to the playground activities.

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks changed to include new safety surfaces, larger use zones around play structures and address accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. In 25 years time, the equipment must withstand the elements, wear and tear from everyday play, and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing and other issues can present safety hazards if not corrected.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, code compliance, and availability of equipment to meet the needs of children from ages 2-12. Criteria include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to schedule two playgrounds per year, without duplicating replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up in each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the Department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		32,000				32,000
Total		32,000				32,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		32,000				32,000
Total		32,000				32,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance					4,000	4,000
Total					4,000	4,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214013
Project Name Birkinbine Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks were changed to include new safety surfaces, larger use zones around play structures, and addressed accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures that were installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. In 25 years time, the equipment must withstand the elements, wear and tear from everyday play, and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing, and other issues can present safety hazards if not corrected.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, code compliance, and availability of equipment to meet the needs of children from ages 2-12. Criteria include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to schedule two playgrounds per year, without duplicating replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up in each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the Department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		28,000				28,000
Total		28,000				28,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		28,000				28,000
Total		28,000				28,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance					4,000	4,000
Total					4,000	4,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224005
Project Name Pheasant Run Park Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

The Pheasant Run Park playground has a modular structure and freestanding components with ADA access, installed in 1993. The playground components are worn from use. The replacement will include updated safety surfacing and playground equipment with a focus on disability accessibility.

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks were changed to include new safety surfaces, larger use zones around play structures, and addressed accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. In 25 years time, the equipment must withstand the elements, wear and tear from everyday play, and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing, and other issues can present safety hazards if not corrected.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, code compliance, and availability of equipment to meet the needs of children from ages 2-12. Criteria include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to schedule two playgrounds per year, without duplicating replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up in each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the Department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		26,700				26,700
Total		26,700				26,700

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		26,700				26,700
Total		26,700				26,700

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance					4,000	4,000
Total					4,000	4,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214006
Project Name Royal Oaks Park Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

The Royal Oaks Park playground has a modular play structure that was installed in 1990 with retrofits in 2001. All the components are worn from use. The safety zones and surfacing need to be improved for an upgraded playground that offers activities to meet the needs of children from ages 2-12.

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks changed to include new safety surfaces, larger use zones around play structures, and address accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. In 25 years time, the equipment must withstand the elements, wear and tear from everyday play, and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing, and other issues can present safety hazards if not corrected.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, code compliance, and availability of equipment to meet the needs of children from ages 2-12. Criteria include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to schedule two playgrounds per year, without duplicating replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up in each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the Department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			40,000			40,000
Total			40,000			40,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing			40,000			40,000
Total			40,000			40,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224016
Project Name Stonehaven Park Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

The Stonehaven Park playground has a modular play structure and freestanding components that were installed in 1988, making it one of the oldest playgrounds in the city parks. The neighborhood population has changed and the need for new equipment has increased. The department will replace existing structures with structures that provide greater accessibility for individuals with disabilities and replace safety surface materials.

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks changed to include new safety surfaces, larger use zones around play structures, and addressed accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. In 25 years time, the equipment must withstand the elements, wear and tear from everyday play, and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing and other issues can present safety hazards if not corrected.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, code compliance, and availability of equipment to meet the needs of children from ages 2-12. Criteria include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to schedule two playgrounds per year, without duplicating replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up in each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the Department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			38,500			38,500
Total			38,500			38,500

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing			38,500			38,500
Total			38,500			38,500

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224006
Project Name Cardinal Crest Park Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Cardinal Crest Park playground consists of a modular structure and freestanding components with ADA access installed in 1994. All the components are worn from use. The improvement will include new equipment, and improvements to safety zones and surfacing. The upgraded playground will offer activities to meet the needs of children from ages 2-12.

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks were changed to include new safety surfaces, larger use zones around play structures, and addressed accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures were installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. In 25 years time, the equipment must withstand the elements, wear and tear from everyday play, and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing, and other issues can present safety hazards if not corrected.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, code compliance, and availability of equipment to meet the needs of children from ages 2-12. Criteria include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to schedule two playgrounds per year, without duplicating replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up in each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the Department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment				33,500		33,500
Total				33,500		33,500

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				33,500		33,500
Total				33,500		33,500

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 232001
Project Name Memorial Park Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

The Memorial Park playground was installed in 1993 and includes an ADA accessible modular play structure for school age children. Swings and freestanding play components have been installed for all age groups. The playground has medium to heavy levels of use and many of the components have worn and need replacement. New parts and replacement components would require significant modification that would decrease the structures' accessibility and could affect safety.

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks changed to include new safety surfaces, larger use zones around play structures, and address accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. In 25 years time, the equipment must withstand the elements, wear and tear from everyday play, and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing, and other issues can make some playgrounds a safety hazard.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, code compliance, and availability of equipment to meet the needs of children from ages 2-12. Criteria include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to schedule two playgrounds per year, without duplicating replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up in each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the Department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment				31,750		31,750
Total				31,750		31,750

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				31,750		31,750
Total				31,750		31,750

Budget Impact/Other

This project will not have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 232002
Project Name Glacier Crossing Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

The Glacier Crossing playground was installed in 1993 and includes an ADA accessible modular play structure for school age children. Swings and freestanding play components have been installed for all age groups. The playground has medium to heavy levels of use and many of the components have worn and need replacement. New parts and replacement components would require significant modification that would decrease the structures' accessibility and could affect safety.

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks changed to include new safety surfaces, larger use zones around play structures, and address accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. In 25 years time, the equipment must withstand the elements, wear and tear from everyday play, and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing, and other issues can present safety hazards if not corrected.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, code compliance, and availability of equipment to meet the needs of children from ages 2-12. Criteria include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to schedule two playgrounds per year, without duplicating replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up in each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the Department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment				25,000		25,000
Total				25,000		25,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				25,000		25,000
Total				25,000		25,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 234005
Project Name Sheehan East Park lower parking lot rehabilitation

Type Replacement **Department** Public Works
Useful Life 15 years **Contact** Public Works Director
Category Street Pavement Rehabilitation **Priority** 3 Average



Description

Parking lot rehabilitation for Sheehan Central Park parking lot. Mill and overlay.

Justification

Parking lots considered for the pavement rehabilitation form of construction were typically originally constructed 20 to 30 years ago. Parking lots that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause the parking lot to need a more expensive form of construction; requiring the replacement of the base course beneath the bituminous asphalt pavement

Expenditures	2020	2021	2022	2023	2024	Total
Construction				87,500		87,500
Total				87,500		87,500

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				87,500		87,500
Total				87,500		87,500

Budget Impact/Other

Crack filling will not have to be completed for about the first 3 to 4 years.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 242003
Project Name Evergreen Park Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 4 Fairly Low



Description

The Evergreen Park playground began with the installation of small playground components in 1987, a modular play structure, swings and freestanding play structures in 1995. The playground increased in size with the installation of more playground equipment in 2001. The playground surface is half sand and half wood chips separated by wood timber edging and does not provide adequate safety surface and does not comply with CPSI standards.

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks changed to include new safety surfaces, larger use zones around play structures, and address accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. In 25 years time, the equipment must withstand the elements, wear and tear from everyday play, and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing, and other issues can present safety hazards if not corrected.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, code compliance, and availability of equipment to meet the needs of children from ages 2-12. Criteria include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to schedule two playgrounds per year, without duplicating replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up in each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the Department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment					43,500	43,500
Total					43,500	43,500

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					43,500	43,500
Total					43,500	43,500

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 242004
Project Name Misty Meadow Park Playground Replacement

Type Replacement
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 4 Fairly Low



Description

The Misty Meadow Park playground began with the installation of swings in 1986 and a small modular play structure was added in 1996. The playground is worn from heavy use, and most of the components are not available for replacement. The playground surface is sand, does not provide adequate safety surface, and does not comply with CPSI standards.

Most of the 38 playgrounds in Sun Prairie parks are comprised of a combination of playground elements from various manufacturers. Playgrounds installed during the years of 1988-1996 received basic swings and freestanding play elements appropriate for all ages. Starting in 1995, playground safety standards and ADA regulations significantly changed playground design and construction. Beginning in 1995, many city parks changed to include new safety surfaces, larger use zones around play structures, and address accessibility issues. New playgrounds after the year 2000 introduced additional playground components and structures installed for preschool and school age groups. Over the years, many playgrounds have received upgrades and renovations to provide more playground opportunities.

Justification

An average playground has a useful life of 20-25 years. In 25 years time, the equipment must withstand the elements, wear and tear from everyday play, and unfortunately, vandalism. Outdated and inappropriate equipment, inadequate surfacing, and other issues can present safety hazards if not corrected.

The playground replacement plan prioritizes playground renovations determined by the Parks Department's playground safety inspectors based on the safety and condition of the playground, the level of use, code compliance, and availability of equipment to meet the needs of children from ages 2-12. Criteria include: playgrounds that have aged beyond the point where replacement parts can be ordered, equipment that has been removed because of vandalism or wear that could affect safety, or playgrounds in neighborhoods where the population has changed and the need for new equipment has increased. The playground priority attempts to schedule two playgrounds per year, without duplicating replacements in the same neighborhood or geographic area of the city. Once the priorities are established and funding is available, meetings are set up in each community to obtain their input for what they would like to see within their playground. A design is prepared based on those needs and the standards of the Department to assure delivery of a playground which the community helps to create and will enjoy for years to come.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment					25,000	25,000
Total					25,000	25,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					25,000	25,000
Total					25,000	25,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 244005
Project Name Carriage Hills Park Parking lot rehabilitation

Type Replacement **Department** Public Works
Useful Life 25 years **Contact** Public Works Director
Category Street Pavement Rehabilitation **Priority** 3 Average



Description

Parking lot rehabilitation for Carriage Hills Community Park parking lot. Mill and overlay.

Justification

Parking lots considered for the pavement rehabilitation form of construction were typically originally constructed 20 to 30 years ago. Parking lots that are reconstructed as part of this program are expected to provide another 25 years of service without major maintenance requirements. Delays in completing these projects could cause the parking lot to need a more expensive form of construction; requiring the replacement of the base course beneath the bituminous asphalt pavement

Expenditures	2020	2021	2022	2023	2024	Total
Construction					37,700	37,700
Total					37,700	37,700

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing					37,700	37,700
Total					37,700	37,700

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 164001
Project Name Skate Park Additions

Type Improvement
Useful Life 25 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

The city contracted with a skate park design consultant in 2016. The design will move into the construction phase of the designed addition.

Justification

The skate park started in 1997 and was updated in 2006, 2011, and 2013. The Sun Prairie Skate Park Association has been requesting and working towards the next addition for a couple years. A consultant collected information on the desired uses, determined what is feasible with space and soil constraints, and produced design plans and budget estimates to complete the project. The next phase will work toward completing the circle at the skate park. Currently users come off a jump and have to pull up or come to a complete stop in the grass. The completion of the planned design will address safety concerns and complete the project.

When reviewing the estimates provided by the design consultant, it was determined that not all costs were captured in the 2018-2022 CIP plan. The budget for this project was increased based upon review of the design plans.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	205,000					205,000
Total	205,000					205,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund	205,000					205,000
Total	205,000					205,000

Budget Impact/Other

This project will not have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 191707
Project Name Splash Pad & Restrooms

Type New
Useful Life 20 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 2 High



Description

Design in 2019 and construction in 2020 of a medium-sized Splash Pad and restroom facility at Wetmore Park.

Justification

The Parks and Open Space Plan identified community interest and support for a splash pad. Additionally, in January 2019, the Parks, Recreation and Forestry Commission recommended building three Splash Pads in Sun Prairie as funding becomes available. The first is recommended to be located at Wetmore Park and is a small to medium-sized splash pad.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	525,000					525,000
Total	525,000					525,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund	525,000					525,000
Total	525,000					525,000

Budget Impact/Other

This project would have operating budget impacts related to increased staffing and water usage. The staff would be an LTE estimated at \$15,000 annually and water usage would be an estimated \$15,000 per year. The water usage estimate may vary as the design is finalized. The restroom utilities costs are estimated at \$7,600 annually.

Budget Items	2020	2021	2022	2023	2024	Total
Other (Insurance, Utilities)	22,600	22,600	22,600	22,600	22,600	113,000
Staff Cost	15,075	15,075	15,075	15,075	15,075	75,375
Total	37,675	37,675	37,675	37,675	37,675	188,375

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 204011
Project Name West Prairie Village Playground

Type New
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Purchase and install a playground in West Prairie Village.

Justification

The residents and developers of West Prairie Village subdivision have been contributing to the park impact fee fund through their building permits. Park impact funds would be used to install a playground at this park site.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	35,000					35,000
Total	35,000					35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund	35,000					35,000
Total	35,000					35,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance				4,000		4,000
Total				4,000		4,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214003
Project Name Reserve Plat Dog Park Fencing

Type New
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Install a fence around a portion of the Reserve plat park land to create a dog park. The dog park will be approximately three acres and will include a small dog area.

Justification

With the addition of the Reserve Plat in Sun Prairie, the city acquired eight acres at the north end of Thompson Road. The initial park design is to include a dog park, shelter with nature education facilities and bathrooms, parking lot, trails, and a playground. The city expects to start improvements to the park in 2020.

As development occurs, park impact fees will be collected to develop new parks with desired amenities.

Amenities to the park land will be added in the following order: (years will depend on the development rate of the sub-division)

1) Parking lot 2) Dog park fencing 3) Playground 4) Shelter with nature educational learning center and restrooms

Expenditures	2020	2021	2022	2023	2024	Total
Construction		40,000				40,000
Total		40,000				40,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund		40,000				40,000
Total		40,000				40,000

Budget Impact/Other

This project is not expected to have an operating budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214008
Project Name Reserve Subdivision Playground

Type New
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Purchase and install a playground at the new Reserve Subdivision park.

Justification

With the addition of the Reserve Subdivision in Sun Prairie, the city acquired eight acres at the north end of Thompson Road. The initial park design is to include a dog park, shelter with nature education facilities and bathrooms, parking lot, trails, and a playground. The city expects to start improvements to the park in 2020.

As development occurs, park impact fees will be collected to develop new parks with desired amenities.

Amenities to the park land will be added in the following order: (years will depend on the development rate of the sub-division)

1) Parking lot 2) Dog park fencing 3) Playground 4) Shelter with nature educational learning center and restrooms

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		35,000				35,000
Total		35,000				35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund		35,000				35,000
Total		35,000				35,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance					4,000	4,000
Total					4,000	4,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214011
Project Name Wetmore Park Shelter

Type New
Useful Life 50 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

As part of a larger vision for Wetmore Park to become a community destination with year round recreational amenities, this project is for a multi-purpose shelter to serve as an amphitheater in warm weather months and a warming house and observation area over the ice skating rink during cold weather months.

Justification

This project is part of a long-term vision for Wetmore Park, making it a community destination with year round recreation amenities. Wetmore Park currently hosts the Parks and Recreation Department's Movies and Concerts in the Park series in summer months and is home to a hockey rink and pleasure ice rink in winter months.

As the 2017 - 2022 Parks and Open Space Plan indicates, there is a need and recommendation for an outdoor performance venue in Sun Prairie. The Movies and Concerts in the Park series has grown since its inception and has potential for more growth, adding to the quality of life to residents of Sun Prairie.

The proposed shelter not only increases quality of life for residents, but has the potential to create a more professional look and feel to the Movies and Concerts in the Park series. It also has potential for an alternative revenue source as this facility could be available for private rentals. Additionally, the shelter will serve as a warming house in winter months with an opportunity to build space for ice skate and snow shoe rentals.

Without this project, the movies and concerts series will continue as programmed, but expansion for programs, services, and events will be challenging without an appropriate venue. Additionally, without this shelter, the vision for Wetmore Park will not be complete as this is a key component to that vision.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		250,000				250,000
Total		250,000				250,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund		250,000				250,000
Total		250,000				250,000

Budget Impact/Other

The new park shelter will require additional staff time to maintain shelter cleanliness and perform any necessary repairs. The operating budget impact will include utility costs. Some of this expense will be offset by alternative revenue streams that this venue will provide.

Budget Items	2020	2021	2022	2023	2024	Total
Other (Insurance, Utilities)			6,000	6,000	6,000	18,000
Total			6,000	6,000	6,000	18,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214012
Project Name West Prairie Village Shelter

Type New
Useful Life 50 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Design and construction of a shelter in the dedicated park land at West Prairie Village.

Justification

The residents and developers of the West Prairie Village subdivision have been contributing to the park impact fee fund through their building permits. Park impact funds would be used for the design and construction of a shelter in West Prairie Village.

Expenditures	2020	2021	2022	2023	2024	Total
Design		5,000				5,000
Construction		40,000				40,000
Total		45,000				45,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund		45,000				45,000
Total		45,000				45,000

Budget Impact/Other

The project will have minimal operating budget impacts.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 214015
Project Name Smith's Crossing (McCoy Addition) Playground

Type New
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Purchase and install a playground at the new McCoy addition's dedicated park in Smith's Crossing.

Justification

The residents and developers of Smith's Crossing subdivisions have been contributing to the park impact fee fund through their building permits. Park impact funds would be used for the purchase and installation of a playground structure at the McCoy addition of the Smith's Crossing.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		35,000				35,000
Total		35,000				35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund		35,000				35,000
Total		35,000				35,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance					4,000	4,000
Total					4,000	4,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224015
Project Name Smith's Crossing (McCoy Addition) Shelter

Type New
Useful Life 50 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Design and construction of a shelter at the McCoy addition's park land in Smith's Crossing.

Justification

The residents and developers of Smith's Crossing subdivisions have been contributing to the park impact fee fund through their building permits. Park impact funds would be used for the design and construction of a shelter at the McCoy addition's park land in Smith's Crossing.

Expenditures	2020	2021	2022	2023	2024	Total
Design			5,000			5,000
Construction			40,000			40,000
Total			45,000			45,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund			45,000			45,000
Total			45,000			45,000

Budget Impact/Other

The project will not have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224001
Project Name Reserve Plat Park Shelter

Type New
Useful Life 25 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Install a park shelter with restrooms, nature learning center, picnic tables, benches, security cameras, and drinking fountains. The shelter will also include storage for supplies for both the shelter and the dog park.

Justification

With the addition of the Reserve Plat in Sun Prairie, the city acquired eight acres at the north end of Thompson Road. The initial park design is to include a dog park, shelter with nature education facilities and bathrooms, parking lot, trails, and a playground. The city expects to start improvements to the park in 2020.

As development occurs, Park Impact Fees will be collected to develop new parks with desired amenities.

Amenities to the park land will be added in the following order: (years will depend on the development rate of the sub-division)

1) Parking lot 2) Dog park fencing 3) Playground 4) Shelter with nature educational learning center and restrooms

Expenditures	2020	2021	2022	2023	2024	Total
Construction			325,000			325,000
Total			325,000			325,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund			325,000			325,000
Total			325,000			325,000

Budget Impact/Other

The new park shelter will require additional staff time to maintain shelter cleanliness and perform any necessary repairs. The operating budget impact includes utility costs. Some of this expense will be offset by new rental fees.

Budget Items	2020	2021	2022	2023	2024	Total
Other (Insurance, Utilities)				6,000	6,000	12,000
Total				6,000	6,000	12,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224014
Project Name Habitat for Humanity Playground

Type New
Useful Life 25 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 4 Fairly Low



Description

Purchase and install a playground at the proposed Habitat for Humanity subdivision.

Justification

The residents and developers of this subdivision will contribute to the park impact fee fund through their building permits. Park impact funds would be used for the purchase and installation of a playground structure.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			35,000			35,000
Total			35,000			35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund			35,000			35,000
Total			35,000			35,000

Budget Impact/Other

The playground will need wood chip replacement every three years at a cost of \$4,000.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 234004
Project Name Habitat for Humanity Shelter

Type New
Useful Life 50 years
Category Park Equipment
Department Parks
Contact Park & Recreation Director
Priority 4 Fairly Low



Description

Design and construction of a shelter at the proposed Habitat for Humanity neighborhood.

Justification

The residents and developers of this new subdivision will be contributing to the park impact fee fund through their building permits. Park impact funds would be used for the design and construction of a shelter at the designated park land in this neighborhood.

Expenditures	2020	2021	2022	2023	2024	Total
Design				5,000		5,000
Construction				40,000		40,000
Total				45,000		45,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund				45,000		45,000
Total				45,000		45,000

Budget Impact/Other

This project is not expected to have an impact on the annual operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

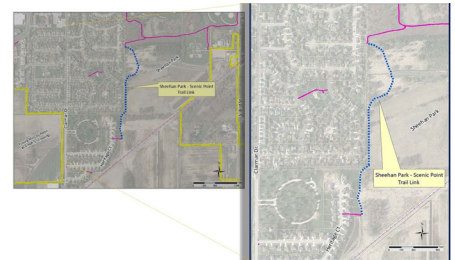
2020 *thru* 2024



Project # 234003
Project Name Sheehan Park - Scenic Point Trail Link

Type Improvement
Useful Life 25 years
Category Multimodal

Department Planning
Contact Community Development Direct
Priority 3 Average



Description

This multi-use path would connect the Scenic Point neighborhood to the trail system in Sheehan Park. This path would likely experience a high degree of use once the McCoy addition to Smith's Crossing neighborhood gets developed. Together with the network of off-street paths planned for the Smith's Crossing/McCoy addition, this link would be part of an off-street system that would link the downtown area to Reiner Road, and to beyond to both Sun Prairie's westside and Madison. The cost estimate provided for this project includes fill needed to construct the path adjacent to existing wetlands, as well as permitting costs associated with possibly filling in a portion of wetlands on the far SW side of Sheehan Park.

Justification

One of the strongest themes to come out of the public engagement efforts associated with the comprehensive plan project is the community's desire for expanded off-road bicycle facilities and a better connected system of such facilities. This project would close a gap of about 2,400' and help provide a more continuous path across the south side of the city, addressing these community desires.

Expenditures	2020	2021	2022	2023	2024	Total
Construction				250,000		250,000
Total				250,000		250,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund				250,000		250,000
Total				250,000		250,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 224008
Project Name Fox Point Multi-Use Court

Type New
Useful Life 20 years
Category Park Equipment

Department Parks
Contact Park & Recreation Director
Priority 3 Average



Description

Install a multi-use court at Fox Point Park. The court could be used for pickleball, tennis, and basketball.

Justification

The Parks and Open Space Plan recommends the installation of more multi-use courts at various locations throughout the city. The courts could be used for basketball, pickleball, and tennis.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					75,000	75,000
Total					75,000	75,000

Funding Sources	2020	2021	2022	2023	2024	Total
Park Fund					75,000	75,000
Total					75,000	75,000

Budget Impact/Other

Replace the nets every three to four years at an estimated cost of \$200.

FACILITIES PROJECTS

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Description	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
City Hall					
City Hall Bathroom Updates	\$ 110,000	\$ -	\$ -	\$ -	\$ -
Municipal Parking Lot Construction*	1,083,000	-	-	-	-
Network Cabling Replacement Project	200,000	-	-	-	-
City Hall Breakroom Renovation	37,000	-	-	-	-
Record Management System	82,000	-	-	-	-
City Hall Elevator Modernization	-	80,000	-	-	-
2nd Floor Cubical Reconfiguration*	-	172,000	-	-	-
EnerGov Software*	-	101,000	80,000	-	-
Sub-Total City Hall	1,512,000	353,000	80,000	-	-
Westside Community Building					
WCS Building LED Conversion*	-	150,000	-	-	-
WCS Building Flooring Replacement	-	-	-	40,000	-
Sub-Total Westside Community Building	-	150,000	-	40,000	-
Fire/EMS					
Fire/EMS East Roof Replacement	-	-	180,000	-	-
Cardiac Monitors	-	-	-	160,000	-
Power Load Systems	-	-	-	-	100,000
Sub-Total Fire/EMS	-	-	180,000	160,000	100,000
Public Works Campus					
Public Works Campus*	585,000	-	-	-	-
Sub-Total Public Works	585,000	-	-	-	-
Library					
Library Expansion*	992,000	-	10,000,000	-	-
Teen Space Update	50,730	-	-	-	-
Automated Sorter Replacement	-	107,600	-	-	-
Sub-Total Land Purchases	1,042,730	107,600	10,000,000	-	-
Total Cost	\$ 3,139,730	\$ 610,600	\$ 10,260,000	\$ 200,000	\$ 100,000

*New construction detailed project descriptions are located in the section labeled "[New/Upgraded Capital Projects](#)".



Building Maintenance Operations

Description	Replacement Fund	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
General						
Heat Pump Replacement	Yes	28,000	28,000	28,000	-	-
City Hall						
City Hall Ceiling Tile Replacement	Yes	15,000	10,000	-	-	-
Exhaust Fans Replacement	Yes	3,000	1,500	-	-	-
City Hall 1st Floor Lobby- Remove Paint	Yes	-	15,000	-	-	-
Carpet Replacement- PD Basement	Yes	-	12,000	-	-	-
City Hall 2nd Floor Lobby- Remove Paint	Yes	15,000	-	-	-	-
City Hall Community Room- Remove Paint	Yes	-	-	15,000	-	-
<i>Sub-total Project Costs</i>		61,000	66,500	43,000	-	-
Annual Contribution		45,000	45,000	45,000	45,000	45,000
Total Cost		\$ 106,000	\$ 111,500	\$ 88,000	\$ 45,000	\$ 45,000
Beginning Balance \$ 68,583 \$ 52,583 \$ 31,083 \$ 33,083 \$ 78,083						
Annual Allocation 45,000 45,000 45,000 45,000 45,000						
Expenditures 61,000 66,500 43,000 - -						
Projected Balance \$ 52,583 \$ 31,083 \$ 33,083 \$ 78,083 \$ 123,083						

Library Maintenance Operations

Description	Replacement Fund	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
General						
Technology & equipment	Yes	7,115	7,115	-	-	105,844
Furniture, signage, and shelving	Yes	10,000	10,000	10,000	12,036	105,844
<i>Sub-total Project Costs</i>		17,115	17,115	10,000	12,036	211,688
Annual Contribution		42,000	42,000	42,000	42,000	42,000
Total Cost		\$ 59,115	\$ 59,115	\$ 52,000	\$ 54,036	\$ 253,688
Beginning Balance \$ 312,955 \$ 337,840 \$ 362,725 \$ 394,725 \$ 424,689						
Annual Allocation 42,000 42,000 42,000 42,000 42,000						
Expenditures 17,115 17,115 10,000 12,036 211,688						
Projected Balance \$ 337,840 \$ 362,725 \$ 394,725 \$ 424,689 \$ 255,001						

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 171102
Project Name City Hall Bathroom Updates

Type Replacement
Useful Life 20 years
Category Buildings
Department Comm Dev: Building Maint
Contact Maintenance Supervisor
Priority 3 Average



Description

Remodel the restrooms at City Hall, which have not been updated since the building was constructed in 1993. This project will be undertaken in stages, with the 2nd floor restrooms in 2017, the 1st floor restrooms in 2018, the Police Department restrooms in 2019, and the Police locker rooms in 2020. The walls, counters, urinals and toilet bowls, lighting and flooring would be evaluated and upgraded/replaced as necessary. Staff will pursue options for energy and water conserving fixtures and determine whether grants or rebates are available.

Justification

Building maintenance staff has received an increasing number of concerns and complaints about the condition of restroom facilities in recent years. Many of the complaints relate to the age of the equipment and facilities. In order to provide a clean and healthy environment for visitors and staff, it is time to complete a significant upgrade to these facilities. A staged approach is being recommended to defray the impact on the budget and ensure facilities will remain available during construction/remodeling activities.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	110,000					110,000
Total	110,000					110,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	110,000					110,000
Total	110,000					110,000

Budget Impact/Other

This project is not expected to have an impact on the operating budget.

Capital Improvement Plan

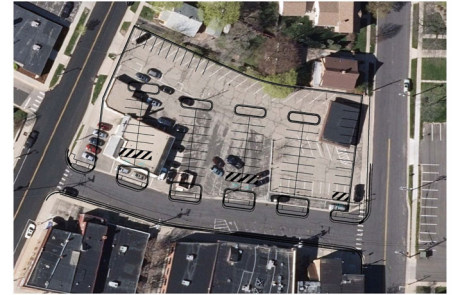
City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 201012
Project Name Municipal Parking Lot Construction

Type New
Useful Life 25 years
Category Street Construction
Department Planning
Contact Community Development Direct
Priority 3 Average



Description

The city has entered into an agreement to purchase property at 117 Columbus Street for the purpose of expanding municipal parking. That acquisition should occur in 2019. In 2020 it is intended that the city would work with the Bank of Sun Prairie to demolish the building on the site and reconfigure the existing parking lots (and possibly Angell Street) to maximize efficiency and expand public parking opportunities to the north of Main Street. Staff is also recommending that utility lines be buried along the north side of the downtown as well, from the City Hall parking lot west to beyond N. Bristol Street.

Justification

Demand for parking downtown is increasing as new development occurs and existing businesses thrive. In addition, parking at City Hall has become more challenging. A reconfigured and expanded parking lot on the block north of Angell Street between Columbus Street and Church Street could help to ease both concerns. Burying the utility lines while this block is redeveloped would be the most efficient time to do so.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	600,000					600,000
Other	483,000					483,000
Total	1,083,000					1,083,000

Funding Sources	2020	2021	2022	2023	2024	Total
TIF Borrowing	1,083,000					1,083,000
Total	1,083,000					1,083,000

Budget Impact/Other

Expanding municipal parking will result in a small increase on the demands for snow plowing, striping, and minor maintenance for Public Works, as well as increased time for monitoring parking by the CSOs. These additional costs are anticipated to be absorbed in the current operating budget.

Capital Improvement Plan

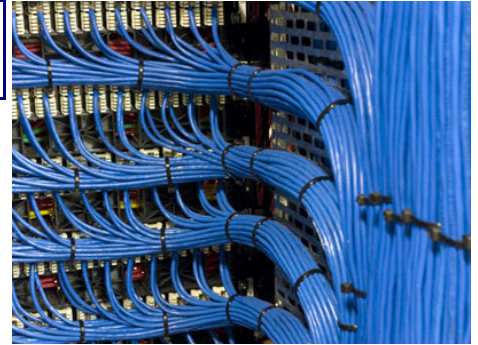
City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 201104
Project Name Network Cabling Replacement Project

Type Replacement
Useful Life 15 years
Category Buildings
Department IT
Contact IT Director
Priority 3 Average



Description

Replace network cabling between devices (computers, printers, phones, etc.) and City network switches in City Hall, the West Side Community Building, Public Works, Waste Water, Library, Media Center, and East EMS/Fire Facilities. Replacement will resolve issues with performance and reliability, update the network to a modern cabling standard, and provide another 10 to 15 years of useful life.

Justification

Network cabling in City buildings has reached the end of its useful life and is beginning to experience issues with performance and reliability. This impacts the ability of all City employees and users to perform their duties in the most efficient manner possible. This project will rectify those issues, increase performance, modernize the network by utilizing a modern cabling standard, and provide another 10 to 15 years of useful life.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	200,000					200,000
Total	200,000					200,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet Inservice Fund	6,000					6,000
GO Borrowing	187,500					187,500
Stormwater Fund	500					500
Wastewater Fund	6,000					6,000
Total	200,000					200,000

Budget Impact/Other

This project will reduce the amount spent annually on network cabling repairs by approximately \$2000.

Budget Items	2020	2021	2022	2023	2024	Total
Professional Services		-2,000	-2,000	-2,000		-6,000
Total		-2,000	-2,000	-2,000		-6,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

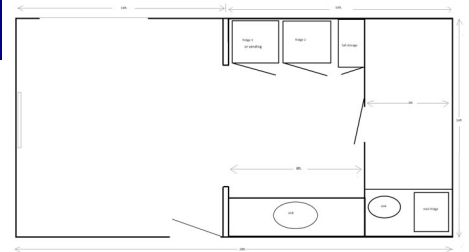
2020 *thru* 2024



Project # 201114
Project Name City Hall Breakroom Renovation

Type Improvement
Useful Life 20 years
Category Buildings

Department Comm Dev: Building Maint
Contact Community Development Direct
Priority 2 High



Description

This project would update and reconfigure the City Hall breakroom to modernize cabinets, countertop, seating, and flooring, as well as reconfigure the room to create a lactation room.

Justification

City Hall lacks a dedicated lactation space, which has been an issue on several occasions over the past few years. In addition, the cabinets, counter, and furniture are aging and leave a lot to be desired. Given the city's desire to be an employer of choice and to improve work conditions in City Hall, the breakroom is in need of attention.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	37,000					37,000
Total	37,000					37,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	37,000					37,000
Total	37,000					37,000

Budget Impact/Other

This project is not expected to have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 202001
Project Name Record Management System

Type Replacement
Useful Life 15 years
Category Equipment: Computers
Department Police Department
Contact Police Chief
Priority 1 Mandatory



Description

Purchase new records management System (RMS) software for the police department. The police department uses RMS software to maintain its official police data.

Justification

The police department has learned that the current records management system (RMS), is nearing end of life and will no longer be supported by the vendor in the year 2020. In addition, the current RMS software will not be able to comply with the new FBI crime analysis system, Incident Based Reporting (IBR), which replaces Uniformed Crime Reporting (UCR). The RMS software is maintained by the Multijurisdictional Public Safety Information System (MPSIS), a consortium consisting of the following police departments: Sun Prairie, Verona, Monona, Fitchburg and Middleton. The funding request is Sun Prairie's contribution toward the purchase of new software. RMS software is integral to police operations and is required for the continuation of police services. The replacement project is to begin in 2019, therefore half of the replacement cost is budgeted for that year, and half of the replacement cost is budgeted for 2020.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	82,000					82,000
Total	82,000					82,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	82,000					82,000
Total	82,000					82,000

Budget Impact/Other

No increase in operational support costs are anticipated from the current expenditures.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 211104
Project Name City Hall Elevator Modernization

Type Replacement
Useful Life 20 years
Category Buildings

Department Comm Dev: Building Maint
Contact Community Development Direct
Priority 3 Average



Description

Replace and upgrade components of the City Hall elevator with improved technology and ADA compliant equipment. As elevator technology changes, components for older elevators such as the City Hall elevator are no longer produced. Failure of components like the PC board become problematic and could lead to significant down time. The project would include replacement of the car operating panel, buttons, Braille plates, controller, pump unit, valve and motor, machine room wiring, and installation of a hands free phone system.

Justification

The current control board for the City Hall elevator cannot be replaced with new equipment should it fail. In 2014 a budget initiative was approved to purchase a used replacement panel as a back up to have on hand. No used boards were available at that time. While that is still a possible alternative (estimated at \$10,000), even if one can be procured its expected life will be unknown. Modernization of components is likely to be a more cost-effective solution over the long-term.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		80,000				80,000
Total		80,000				80,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		80,000				80,000
Total		80,000				80,000

Budget Impact/Other

This project is not expected to impact the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 211106
Project Name 2nd Floor Cubical Reconfiguration

Type Replacement
Useful Life 15 years
Category Buildings

Department Comm Dev: Building Maint
Contact Community Development Direct
Priority 3 Average



Description

This project would replace the outdated cubicle equipment and furniture in the staff area on the second floor of City Hall, in a similar manner to the improvements recently made to the clerk's office.

Justification

As part of the ongoing effort to improve the work environment at City Hall, this project would reconfigure the work spaces on the 2nd floor with a more modern and more flexible system. Replacement panels to reconfigure spaces with the current system are no longer available, compromising options when staff changes occur and spaces need to be created or modified.

Expenditures	2020	2021	2022	2023	2024	Total
Furniture		172,000				172,000
Total		172,000				172,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		172,000				172,000
Total		172,000				172,000

Budget Impact/Other

This project is not expected to have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

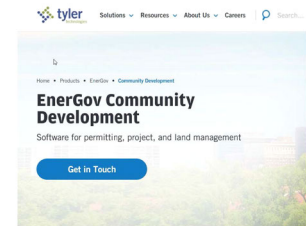
2020 *thru* 2024



Project # 212002
Project Name EnerGov Software

Type Replace/Upgrade
Useful Life 10 years
Category Equipment: Computers

Department Planning
Contact Community Development Direct
Priority 2 High



Description

Tyler Technologies' EnerGov community development software automates governmental operations in land use planning, permitting, enforcement case management, and inspections. Its multi-dimensional permitting software allows for planning, review, and enforcement to be performed in a more effective and efficient manner than the city's current permitting software. Its mobility functionality streamlines the process and benefits stakeholders, citizens, agencies, and the municipality's bottom line. It will permit mobile utilization of our permitting software for inspections in a manner that is much more effective than Munis, our current system.

Justification

With the development of the EnerGov product, Tyler Technologies has discontinued making major enhancements to the Munis Permit module, which is the module currently utilized solely by the city's Building Inspection Division for issuing permits, documenting code enforcement service requests, scheduling inspections, and documenting inspection results. Over the years the limitations of the Munis module has become more evident, especially compounded with the face-paced growth of the city and its large increase in building projects. Since EnerGov is a Tyler Technologies product, it will work seamlessly with our Munis financial software. The mobile capabilities, very limited in Munis, should be greatly enhanced.

Expenditures	2020	2021	2022	2023	2024	Total
Professional Services			80,000			80,000
Equipment		7,000				7,000
Other		94,000				94,000
Total		101,000	80,000			181,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		101,000	80,000			181,000
Total		101,000	80,000			181,000

Budget Impact/Other

There is an annual \$23,880 cost for licensing that would begin in 2021.

Budget Items	2020	2021	2022	2023	2024	Total
Other (Insurance, Utilities)			23,880	23,880	23,880	71,640
Total			23,880	23,880	23,880	71,640

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 211203
Project Name WSCS Building LED Conversion

Type Replace/Upgrade
Useful Life 20 years
Category Buildings

Department Comm Dev: Building Maint
Contact Maintenance Supervisor
Priority 3 Average



Description

Replace all light fixtures in the Westside Community Service building with LED fixtures to provide more energy efficient and lower maintenance lighting.

Justification

The current fluorescent lighting throughout the WSCS building provides a quality work environment, but is high maintenance and demands a lot of staff time with relatively high replacement needs. Some LED replacement has been initiated at the Public Library with success. LED bulbs use less energy and last much longer than the current bulbs. It is estimated that this project will pay for itself in seven to eight years. If the city is able to obtain rebates or grant funding for this initiative, the energy savings will pay for the cost of the project in a shorter timeframe.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		150,000				150,000
Total		150,000				150,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		150,000				150,000
Total		150,000				150,000

Budget Impact/Other

The conversion to LED lights will result in an estimated annual energy savings of \$7,000 to \$10,000. First year savings would be lower due to installation timeframes.

Budget Items	2020	2021	2022	2023	2024	Total
Other (Insurance, Utilities)		-3,750	-7,000	-7,000	-7,000	-24,750
Total		-3,750	-7,000	-7,000	-7,000	-24,750

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 231202
Project Name WSCS Building Flooring Replacement

Type Improvement
Useful Life 15 years
Category Buildings

Department Comm Dev: Building Maint
Contact Community Development Direct
Priority 3 Average



Description

The WSCS building community room is currently floored with both vinyl plank flooring and carpet. The room is seeing a higher level of active use than originally envisioned, with several recreation department programs occurring there every week. Carpeted areas are beginning to show signs of wear and tear as a result. Staff believes that by 2023 replacement will be needed, and is recommending that the carpeted areas be replaced with the more durable vinyl plank flooring. Due to acoustic challenges in the room, the city may want to pair this with the addition of soft surface materials elsewhere in the room to absorb sound.

Justification

By 2023 the current flooring will be beyond the manufacturers recommended useful life. Rather than replace a less than ideal situation at that time, it makes sense to switch to a more durable material given the nature of the use of the facility. Including some sound deafening materials is advisable if we are increasing the hard floor surface area, which is built into the cost estimate.

Expenditures	2020	2021	2022	2023	2024	Total
Maintenance				40,000		40,000
Total				40,000		40,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				40,000		40,000
Total				40,000		40,000

Budget Impact/Other

This project is not anticipated to have an annual impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 221602
Project Name Fire/EMS East Roof Replacement

Type Replacement
Useful Life 20 years
Category Buildings
Department Comm Dev: Building Maint
Contact Community Development Direct
Priority 3 Average



Description

Replace the Fire/EMS East building roof. This is a fully adhered roof that would be replaced with a roof of the same or similar type.

Justification

The current roof is nearing the end of its useful life and is in need of replacement. It was installed in 2003 and has several tears and dry cracks, but no major signs of failure yet. Replacement is recommended in 2022.

Expenditures	2020	2021	2022	2023	2024	Total
Construction			180,000			180,000
Total			180,000			180,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing			180,000			180,000
Total			180,000			180,000

Budget Impact/Other

The roof replacement is not expected to have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 232003
Project Name Cardiac Monitors

Type New
Useful Life 12 years
Category Equipment: Miscellaneous
Department EMS
Contact EMS Chief
Priority 2 High



Description

Purchase 4 cardiac monitors. (4 in FY23 to maintain current industry standards)

State statutes require a cardiac monitor in all ambulances, and prudence requires use of current equipment capable of providing treatments that are up-to-date with current clinical standards. The monitor is used to observe a patient's heart rhythm and detect changes that could be life-threatening. It detects heart attacks and is a vital tool in cardiac arrest resuscitation attempts. It serves to measure blood gases such as oxygenation saturations as well as carbon monoxide toxicity.

Justification

The manufacturer's recommended lifespan of the other cardiac monitors (Lifepak 15) ends in 2018, and useful life expires approximately 2022. Replacement devices are required to maintain compliance with current medical treatment standards, and the manufacturer's next model is expected to debut to market around this time. Purchase 4 new cardiac monitors in FY23, and retain the monitor that was acquired in FY20 as a backup unit.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment				160,000		160,000
Total				160,000		160,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing				160,000		160,000
Total				160,000		160,000

Budget Impact/Other

This item requires a service contract. The estimated contract cost, adjusted for inflation, is approximately \$1550 per year.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance				6,200	6,200	12,400
Total				6,200	6,200	12,400

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 242001
Project Name Power Load Systems

Type Replacement
Useful Life 12 years
Category Equipment: Miscellaneous
Department EMS
Contact EMS Chief
Priority 2 High



Description

Purchase 4 Stryker Power-LOAD systems. These systems are a powered cot fastener is a system for loading patients into the ambulances. The Power-LOAD cot fastener improves operator and patient safety by supporting the cot throughout the loading and unloading process. This system is used by major EMS agencies throughout the County, facilitating interoperability in case of major or multiple-patient incident.

Justification

The powered cot fastening system helps improve safety by supporting the cot (and the weight of the patient upon it) throughout loading and unloading, reducing the risk of musculoskeletal injuries through either cumulative exposure to stresses, or through an acute injury. The current power load systems in the ambulances are beyond their manufacturer-recommended service life by 10 years and are at the end of their useful life, as the manufacturer will no longer provide service contracts for them.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment					100,000	100,000
Total					100,000	100,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet GO Borrowing					100,000	100,000
Total					100,000	100,000

Budget Impact/Other

These items require a service contract to ensure compliance with safety standards and operability at all times.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance					5,600	5,600
Total					5,600	5,600

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 191305
Project Name Public Works Campus

Type Unfunded
Useful Life 40 years
Category Buildings

Department Public Works
Contact Public Works Director
Priority 2 High



Description

Complete site analysis, concept design, and 60% preliminary design plans for the new public works, engineering, and sun prairie utilities campus. A 2018 budget initiative approved a space need analysis; architectural design is the next step in the process.

The concept design and 60% preliminary design plans will include site and building lay out; cost estimates, evaluation plans, architectural floor plans, structural plans, utility and storm water plans, project schedule, Green alternatives, and alternative layouts.

Justification

The current Public Work's facility was built in 1997. The facility's size no longer meets departmental needs and facility maintenance costs are increasing as the building ages.

The City Service Center no longer meets the needs of the Department's staff, material storage, or vehicle parking.

The heating and air conditioning has been averaging three service calls per year. Roof repairs in the past year cost \$18,000. We continue to have water leaks from the windows, which has led to cost for mold remediation.

Public works staff shuttle vehicles to other locations at the end of the day to store vehicles inside, due to insufficient space in the existing location. On a regular basis, staff spend a half hour re-arranging vehicles and materials in cold storage facilities to get to the vehicle or materials needed that day. Vehicles are parked down the center of the building in the evenings, creating a hazard if an emergency occurs necessitating quick removal of vehicles.

Meetings with contractors, vendors, and alders are held in the break room or staff commute to City Hall because the current facility lacks a conference and training room.

In the summer when all the seasonal, LTE, part time, and full time staff are working, there is insufficient parking, lunch room, locker, and bathroom facilities.

The property is becoming an eye sore in an ever improving development area of the city, as we are having to store more equipment and materials outside.

Expenditures	2020	2021	2022	2023	2024	Total
Design	585,000					585,000
Construction						
Total	585,000					585,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	390,000					390,000
SPU GO Borrowing	195,000					195,000
Total	585,000					585,000

Budget Impact/Other

Design plans will not impact operating expenses.

Construction of campus will have higher operating cost vs our current Public Works campus, due to the larger facility and increased number of departments within the campus.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 201508
Project Name Library Expansion

Type New
Useful Life 20 years
Category Buildings

Department Library
Contact Library Director
Priority 2 High



Description

An expansion of the current library to meet the collection and programming space needs.

Justification

In 2018, the Sun Prairie Public Library completed an architectural analysis. The analysis revealed the need for the library to expand in order to meet standards established by the State of Wisconsin and the Dane County Library Service. The analysis also determined the need and desire to expand our current level of services and spaces to include: additional meeting rooms and study rooms, a larger storytime room and youth services area, a dedicated teen space, a maker space with innovative technology and equipment, enhanced lighting, more seating, more parking, and enhanced work space for staff. The photo assigned shows stacks at maximum capacity. Additional shelving is not an option as this would reduce space necessary for wheelchair access. Construction costs include contractual fees associated with an owner's agent. An owner's agent would act as the project manager, which would be crucial to the success of such a large scale project.

Expenditures	2020	2021	2022	2023	2024	Total
Design	992,000					992,000
Construction			10,000,000			10,000,000
Total	992,000		10,000,000			10,992,000

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	992,000		10,000,000			10,992,000
Total	992,000		10,000,000			10,992,000

Budget Impact/Other

The expansion at our current location will require an increase in operational expenditures in all areas including: personnel and administrative costs, library collection, facility maintenance, and technology. The increase will allow the Sun Prairie Public Library to offer a wide range of enhanced services including additional programming, access to state of the art technology, access to a larger physical and digital collection and increased hours of service. The greatest increase would be during the first five years as we grow staff and resources to meet the needs of our growing community.

Budget Items	2020	2021	2022	2023	2024	Total
Fuel					2,150	2,150
Maintenance					132,644	132,644
Other (Insurance, Utilities)					58,000	58,000
Professional Services					32,125	32,125
Staff Cost					87,418	87,418
Supplies/Materials					45,470	45,470
Total					357,807	357,807

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 201509
Project Name Teen Space Update

Type Improvement
Useful Life 10 years
Category Buildings

Department Library
Contact Library Director
Priority 2 High



Description

Update the teen area to provide adequate furnishing, collection space, and sound barrier so residents of all ages can use and enjoy library services.

Justification

The Sun Prairie Public Library completed an architectural analysis in 2018. An Advisory Task Force comprised of over 50 residents provided input on all conceptual features necessary. Throughout the process, the need for a clearly defined teen space was discussed across all age groups. The need has been felt for many years, especially with the rapid growth in our youth population. This update would allow us to help address some gaps prior to an expansion. The updates would continue to serve after an expansion is complete. The photo included shows the current teen space which offers three chairs in an open space adjacent to the quiet reading room. The space and location are both inadequate.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	730					730
Professional Services	5,000					5,000
Equipment	15,000					15,000
Furniture	30,000					30,000
Total	50,730					50,730

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing	32,730					32,730
Grants & Donations	18,000					18,000
Total	50,730					50,730

Budget Impact/Other

This project is not expected to have an impact on operating expenses.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 212001
Project Name Automated Sorter Replacement

Type Replace/Upgrade
Useful Life 10 years
Category Equipment: Miscellaneous
Department Library
Contact Library Director
Priority 2 High



Description

The automated sorter checks in and sorts materials in real time as items are placed on the sorting belt. The sorting is coordinated with the Integrated Library System so that inventory, shelving, status, and patron records are simultaneously updated.

Justification

The Sun Prairie Public Library's physical material circulation continues to increase and our patrons are able to find what they need on our shelves in a timely manner. In 2018, the Sun Prairie Public Library circulated 635,369 physical items. On average, Sun Prairie Public Library patrons find the materials they need on the library's shelves over 75% of the time. The automated sorter has been crucial in providing efficient service to keep pace with the city's current level of service and growth. However, the current sorter is beyond its useful life. Changes in technology and the library's ILS (integrated library system) cause an old sorter to back up and incorrectly sort. This, in turn, requires staff to intervene and spend many hours troubleshooting and manually re-sorting items. Bibliotheca (the vendor for automated sorters and self-checks) is unable to support our older system. Repairs and diagnostics to older systems are not included in the maintenance agreement, resulting in additional maintenance expense when repairs are necessary.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		107,600				107,600
Total		107,600				107,600

Funding Sources	2020	2021	2022	2023	2024	Total
GO Borrowing		107,600				107,600
Total		107,600				107,600

Budget Impact/Other

A new sorter is more efficient and would fall under the current maintenance agreement, eliminating repair and maintenance costs during the terms of the maintenance agreement. Our current maintenance agreement is in place until 2019. We could see a decrease of \$100 per year in maintenance costs.

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance			-100	-100	-100	-300
Total			-100	-100	-100	-300

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WATER POLLUTION CONTROL FACILITY PROJECTS

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Capital Item ¹	Included in Repl Fund?	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
WATER POLLUTION CONTROL FUND						
Sewer Capital Projects/Flow (See Streets Projects)	No	\$ 127,000	\$ 191,000	\$ 249,000	\$ 238,000	\$ 140,000
Clearwater Reduction From Sewer System	No	200,000	200,000	200,000	200,000	200,000
Koshkonong Creek Dredging*	No	75,000	-	-	-	-
Phosphorous Treatment and Plant Capacity Upgrades	Some Equip will be	9,087,584	7,412,838	22,458	-	-
Sewer TV Inspection Equipment & Software*	No	300,000	-	-	-	-
Sewer Lateral Lining	No	672,000	618,000	630,000	624,000	650,000
Sewer Main Lining	Yes	351,000	400,000	400,000	400,000	400,000
Network Cabling Replacement Project	Yes	6,000	-	-	-	-
Replace Flat Bed Truck and Hoist	Yes	-	38,000	-	-	-
Replace W3 Pump Controls	Yes	-	70,000	-	-	-
Replace Biosolids Conveyor	Yes	-	58,000	-	-	-
Replace SCADA System Wiring & PLCs	Yes	-	75,000	-	-	-
Replace New Holland Tractor	Yes	-	25,000	-	-	-
Replace Wheeled End Loader	Yes	-	220,000	-	-	-
Replace #4 Raw Wastewater Pump	Yes	-	90,000	-	-	-
Replace Primary Tank Collectors	Yes	-	100,000	-	-	-
Upgrade Shonas Lift Station	Yes	-	90,000	-	-	-
Replace Filter Building Heat/Venting System	Yes	-	50,000	-	-	-
Replace Heating/Venting System w/ Controls	Yes	-	80,000	-	-	-
Upgrade Hickory Grove Lift Station	Yes	-	-	90,000	-	-
Upgrade Business Park Lift Station	Yes	-	-	-	60,000	-
Replace Aeration Channel Blowers(3)	Yes	-	-	-	-	75,000
Replace 80 Kw Portable Generator	Yes	-	-	-	-	35,000
Upgrade Meadows Lift Station	Yes	-	-	-	-	90,000
Replacement of Sewer Jet/Vac Machine	Yes	-	-	-	-	310,000
Replacement of Truck w/ Topper	Yes	-	-	-	-	25,000
Debt Issuance Costs	No	181,800	24,200	-	30,200	-
Total Cost		\$ 11,000,384	\$ 9,742,038	\$ 1,591,458	\$ 1,552,200	\$ 1,925,000

¹Please see the [Equipment Replacement Plan](#) in the [WPCF Budget](#) for a full detail listing of the plan.

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Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 168101
Project Name Clearwater Reduction From Sewer System

Type Improvement
Useful Life 20 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 1 Mandatory



Description

Remove sources of clearwater (inflow and infiltration) entering the sanitary sewer system. The main clearwater sources identified are leaking sewer joints, manhole barrel joints, between adjusting rings (used to bring manhole casting to road grade), and sump pumps. The plan is to use chemical grout to seal leaks in the sewer system. Older clay sewer laterals may also be contributing clearwater. The project cost includes flow monitoring and television inspection of the sewer system; these tools are used to determine sources of clearwater.

Justification

Clearwater entering the sewer system can increase plant flow over 2,000,000 gallons per day. This clearwater can overload the sanitary sewer system, causing sewer backups, and overload the treatment plant reducing treatment capacity, especially the biological phosphorus treatment process. By reducing the amount of clearwater entering the sewer system, we can reduce sewer backups and extend the useful life of the treatment plant.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	200,000	200,000	200,000	200,000	200,000	1,000,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	200,000	200,000	200,000	200,000	200,000	1,000,000

Budget Impact/Other

This project is not expected to impact the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208104
Project Name Koshkonong Creek Dredging

Type Improvement
Useful Life 25 years
Category Storm Sewer/Drainage
Department Engineering
Contact City Engineer
Priority 1 Mandatory



Description **Total Project Cost:** \$500,000

Cost Share with the Drainage District on dredging of Koshkonong Creek – This project falls under the agreement approved by the Council to assist in the cost of the Drainage District Projects. The additional amount to be funded is \$500,000. The Storm water fund and the Wastewater Treatment Plant fund will fund the project

Justification

The ability to clean out ditches downstream of the City provides multiple benefits including but not limited to increased stormwater capacity, reduction in occurrences of street flooding and removal of legacy phosphorous in our stream system.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	500,000					500,000
Total	500,000					500,000

Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund	400,000					400,000
Wastewater Fund	100,000					100,000
Total	500,000					500,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 168102
Project Name Phosphorous Treatment and Plant Capacity Upgrades

Type Improvement
Useful Life 20 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 1 Mandatory



Description

The city's Wisconsin Pollutant Discharge Elimination System (WPDES) permit has set new treatment limits for phosphorus of 0.075 mg/l, which the current plant cannot meet. As part of the permit, the Department of Natural Resources (DNR) has established a compliance schedule that the city must meet prior to the new limit going into effect in October 2022. Included with phosphorus upgrades are upgrades needed to provide capacity for future growth of the city. The revised schedule for meeting the October 2022 treatment requirements shows completion of the Facility Plan by March 31, 2018, completion of plans and specifications by December 2018, and starting construction in June 2019 with project completion date of October 2021. A contracted vendor is working with the city to meet the compliance schedule.

Justification

Meet WPDES permit compliance schedule for phosphorus treatment and make necessary upgrades to the plant to handle future growth.

Expenditures	2020	2021	2022	2023	2024	Total
Design	617,584	482,838	22,458	0	0	1,122,880
Construction	8,470,000	6,930,000	0	0	0	15,400,000
Total	9,087,584	7,412,838	22,458	0	0	16,522,880

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund	9,087,584	7,412,838	22,458	0	0	16,522,880
Total	9,087,584	7,412,838	22,458	0	0	16,522,880

Budget Impact/Other

The operating budget impacts of the revised phosphorus standard and plant capacity upgrades will be determined as the plans for these projects are finalized.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208101
Project Name Sewer TV Inspection Equipment & Software

Type New
Useful Life 12 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

Purchase of a TV inspection unit for televising sewer mains and laterals along with software and monitoring equipment for evaluating sewers. The information gathered will be used to identify problem sewer mains and laterals that need to be addressed as part of the city's ongoing CIP plan for repairing/replacing defective sewer mains and laterals I/I reduction project.

Justification

The information gathered will be used to identify defective sewer mains and laterals, and locate infiltration of clearwater into the sewer system. Options for repairing or replacing these defects will then be addressed in the CIP plan.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	300,000					300,000
Total	300,000					300,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund	300,000					300,000
Total	300,000					300,000

Budget Impact/Other

When we add annual fuel usage, LTE staffing, maintenance and unit depreciation, our annual costs are \$42,000. In 2019, we projected that the city will be paying contractors \$73,000 for television inspection of sewer mains and laterals associated with street reconstruction projects and sewer lateral lining projects. With the city owning the television inspection equipment, we are projecting an annual savings of \$31,000 per year.

Budget Items	2020	2021	2022	2023	2024	Total
Fuel	1,500	1,500	1,500	1,500	1,500	7,500
Maintenance	500	500	500	500	500	2,500
Staff Cost	15,000	15,000	15,000	15,000	15,000	75,000
Total	17,000	17,000	17,000	17,000	17,000	85,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208102
Project Name Sewer Lateral Lining

Type Replacement
Useful Life 75 years
Category Wastewater

Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

Line sewer laterals to the ROW in the following areas:

1. Broadway Drive: Hwy 19 to south of New Haven.
2. Dickson Drive: Broadway to 285 west.
3. Blaser Court: Stevens to end of court.
4. Stevens: 156 feet west of Blaser Court to Jenifer Court.
5. Lori Lane: Stevens to end of Lori Lane.
6. Woodsend Court: Loir to end of court.
7. Bruce: Stevens to Donald.

TOTAL LATERALS = 112.

Justification

Following the Sewer Rehabilitation Policy for lining sewer laterals in areas with high groundwater and infiltration of clearwater into the sewer system. The goal is to protect the health and safety of all customers by preventing sewer backups, to prove additional capacity at the treatment plant for future growth of the city, and to ensure that the treatment plant continues to meet requirements of the Wisconsin Pollutant Discharge Elimination System permit.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	672,000					672,000
Total	672,000					672,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Special Assessment Borrowing	672,000					672,000
Total	672,000					672,000

Budget Impact/Other

No impact on plant and collection system operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218136
Project Name Sewer Lateral Lining

Type Replacement
Useful Life 75 years
Category Wastewater

Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

Line sewer laterals to the ROW in the following areas:

1. Stevens: Bruce to Vandenburg
2. Gayle Court: Stevens to end of court.
3. Jenifer Court: Stevens to end of court.
4. Allison: Vandenburg to Donald
5. Daniel: Stevens to Donald
6. Betty Lee Court: Daniel to end of court.
7. Donald: Bruce to Daniel.
8. Vandenburg: Allison to Jerico.
9. Jerico: Stevens to 600 feet north of Vandenburg

TOTAL LATERALS = 103

Justification

Following the Sewer Rehabilitation Policy for lining sewer laterals in areas with high groundwater and infiltration of clearwater into the sewer system. The goal is to protect the health and safety of all customers by preventing sewer backups, to prove additional capacity at the treatment plant for future growth of the city, and to ensure that the treatment plant continues to meet requirements of the Wisconsin Pollutant Discharge Elimination System permit.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		618,000				618,000
Total		618,000				618,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Special		618,000				618,000
Assessment Borrowing						
Total		618,000				618,000

Budget Impact/Other

No impact on plant and collection system operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 228107
Project Name Sewer Lateral Lining

Type Replacement
Useful Life 75 years
Category Wastewater

Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

Line sewer laterals to the ROW in the following locations:

1. N. Pine: Pine to Schumann
2. Pine: North Pine to Juniper (easterly part of Juniper that connects to Vandenburg)
3. Chicory Way: North Pine to Juniper (easterly part of Juniper that connects to Vandenburg)
4. Juniper: Pine to Vandenburg

TOTAL LATERALS = 105

Justification

Following the Sewer Rehabilitation Policy for lining sewer laterals in areas with high groundwater and infiltration of clearwater into the sewer system. The goal is to protect the health and safety of all customers by preventing sewer backups, to prove additional capacity at the treatment plant for future growth of the city, and to ensure that the treatment plant continues to meet requirements of the Wisconsin Pollutant Discharge Elimination System permit.

Expenditures	2020	2021	2022	2023	2024	Total
Construction			630,000			630,000
Total			630,000			630,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Special Assessment Borrowing			630,000			630,000
Total			630,000			630,000

Budget Impact/Other

No impact on plant and collection system operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 238104
Project Name Sewer Lateral Lining

Type Replacement
Useful Life 75 years
Category Wastewater

Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

Line sewer laterals to the ROW in the following locations:

1. Vandenburg: Pine to Stull.
2. Aspen: N. Pine to Pine.
3. Schumann: M. Pine to Bird.
4. Andrews: Schumann to Vandenburg
5. Harmon Circle: Schumann to end of circle.
6. Farichild: Schumann to Vandenburg
7. Stull: Schumann to Vandenburg

TOTAL LATERALS = 104

Justification

Following the Sewer Rehabilitation Policy for lining sewer laterals in areas with high groundwater and infiltration of clearwater into the sewer system. The goal is to protect the health and safety of all customers by preventing sewer backups, to prove additional capacity at the treatment plant for future growth of the city, and to ensure that the treatment plant continues to meet requirements of the Wisconsin Pollutant Discharge Elimination System permit.

Expenditures	2020	2021	2022	2023	2024	Total
Construction				624,000		624,000
Total				624,000		624,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Special Assessment Borrowing				624,000		624,000
Total				624,000		624,000

Budget Impact/Other

No impact on plant and collection system operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 248104
Project Name Sewer Lateral Lining

Type Replacement
Useful Life 75 years
Category Wastewater

Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

Lining of sewer laterals in 2024 still needs to be determined. Will be conducting flow monitoring in the Royal Oaks subdivision in 2019. The flow monitoring data will be used to determine lateral lining locations for 2024.

Justification

Following the Sewer Rehabilitation Policy for lining sewer laterals in areas with high groundwater and infiltration of clearwater into the sewer system. The goal is to protect the health and safety of all customers by preventing sewer backups, to prove additional capacity at the treatment plant for future growth of the city, and to ensure that the treatment plant continues to meet requirements of the Wisconsin Pollutant Discharge Elimination System permit.

Expenditures	2020	2021	2022	2023	2024	Total
Construction					650,000	650,000
Total					650,000	650,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Special					650,000	650,000
Assessment Borrowing						
Total					650,000	650,000

Budget Impact/Other

No impact on plant and collection system operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208103
Project Name Sewer Main Lining

Type Replacement
Useful Life 75 years
Category Wastewater

Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 3 Average



Description

Lining sewers on the following streets:

Broadway Drive: 2,101' between Hwy 19 to 670 feet north of Stevens - \$61,000
 Dickson: 284' between Broadway Drive to 280 west - \$18,000
 Buena Vista: 1,586' from Ruby and Bird - \$60,000
 Beech Court : 282' from Davison to end of Court - \$14,000
 Wyoming: 302'. One section 280' east of Thompson Drive - \$9,000
 Colorado: 1,013' between N. Thompson Drive and Broadway - \$30,000
 Broadway: 718' between Wyoming and Colorado - \$17,000
 Wisconsin: 522' between N. Thompson Drive and Broadway - \$16,000
 Steward Court: 543' between Steward Drive to end of Court - \$16,000
 Steward Dive: 710' between Wisconsin and Steward Court - \$21,000
 Walmar: 1,023' between Wisconsin and Michigan - \$30,000
 Michigan: 2,065' between N. Thompson and Woodward Drive - \$59,000

Sewer main lining/repairs for 2021, 2022, 2023 and 2024 still need to be determined. Lining/repairs for these years will be based on flow monitoring data showing high infiltration of clearwater into the sewer system.

Justification

Lining sewer mains in areas with high infiltration. Sewer mains are lined prior to lining sewer laterals.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	351,000	400,000	400,000	400,000	400,000	1,951,000
Total	351,000	400,000	400,000	400,000	400,000	1,951,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund	351,000	400,000	400,000	400,000	400,000	1,951,000
Total	351,000	400,000	400,000	400,000	400,000	1,951,000

Budget Impact/Other

Capital Improvement Plan

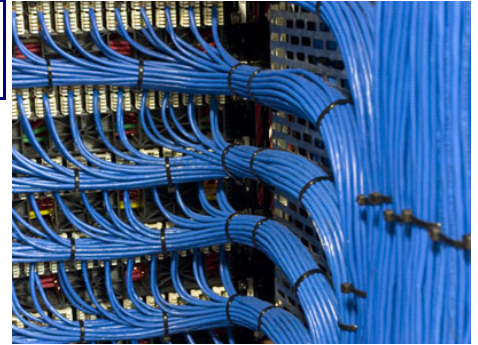
City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 201104
Project Name Network Cabling Replacement Project

Type Replacement
Useful Life 15 years
Category Buildings
Department IT
Contact IT Director
Priority 3 Average



Description

Replace network cabling between devices (computers, printers, phones, etc.) and City network switches in City Hall, the West Side Community Building, Public Works, Waste Water, Library, Media Center, and East EMS/Fire Facilities. Replacement will resolve issues with performance and reliability, update the network to a modern cabling standard, and provide another 10 to 15 years of useful life.

Justification

Network cabling in City buildings has reached the end of its useful life and is beginning to experience issues with performance and reliability. This impacts the ability of all City employees and users to perform their duties in the most efficient manner possible. This project will rectify those issues, increase performance, modernize the network by utilizing a modern cabling standard, and provide another 10 to 15 years of useful life.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	200,000					200,000
Total	200,000					200,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet Inservice Fund	6,000					6,000
GO Borrowing	187,500					187,500
Stormwater Fund	500					500
Wastewater Fund	6,000					6,000
Total	200,000					200,000

Budget Impact/Other

This project will reduce the amount spent annually on network cabling repairs by approximately \$2000.

Budget Items	2020	2021	2022	2023	2024	Total
Professional Services		-2,000	-2,000	-2,000		-6,000
Total		-2,000	-2,000	-2,000		-6,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 217704
Project Name Replace Flat Bed Truck and Hoist

Type Replacement
Useful Life 10 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 3 Average



Description

Replace an F350 flat bed truck with hoist.

Justification

This truck is used to transport and pick up manhole castings/lids, adjustment rings, and concrete barrel sections to construction sites. It is also used to remove and transport pumps and other plant equipment and lift station pumps to vendors for repairs.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		38,000				38,000
Total		38,000				38,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund		38,000				38,000
Total		38,000				38,000

Budget Impact/Other

This vehicle replaces a similar vehicle currently used in wastewater operations. The replacement is not expected to have a significant impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218113
Project Name Replace W3 Pump Controls

Type Replacement
Useful Life 15 years
Category Wastewater

Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 3 Average



Description

Replace W3 pump controls that were installed in 2006. The W3 (nonpotable water) controls are used to control the operation of the 10 Hp and 20 Hp W3 pumps. The controller turns on and off pumps based on amount of water being used and pressure of water in nonpotable water tank. The controller also alternates pump operation to even out run hours on pumps. This water is used in many treatment processes for washing down tanks and equipment.

Justification

The controller monitors for a drop in water levels and pressure in the water storage tank. As level/pressure is reduced, the controller will turn on or shut off W3 pumps. W3 water is used in the operation of the Belt Filter and Gravity Filter presses. Without this water, the presses would not operate which could then cause the digesters to become overloaded and we would have more Biosolids to land apply.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		70,000				70,000
Total		70,000				70,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund		70,000				70,000
Total		70,000				70,000

Budget Impact/Other

This project is not expected to impact the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218117
Project Name Replace Biosolids Conveyor

Type Replacement
Useful Life 15 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 3 Average



Description

Replace the Biosolids conveyor that was installed in 2006. The conveyor moves the thickened Biosolids from the belt filter press (BFP) to the dump truck where it is then transported to the Biosolids storage building. The Biosolids are eventually land spread on approved WI Department of Natural Resources sites.

Justification

If the conveyor would fail, staff would have to take thickened Biosolids from BFP and manually fill the dump trucks.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		58,000				58,000
Total		58,000				58,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund		58,000				58,000
Total		58,000				58,000

Budget Impact/Other

This project is not expected to impact the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218118
Project Name Replace SCADA System Wiring & PLCs

Type Replacement
Useful Life 25 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 3 Average



Description

Replace the existing Supervisory Control and Data Acquisition (SCADA) wiring and Programmable Logic Controllers (PLCs) that were installed in 1996. The SCADA system monitors and is used to change operation settings on plant equipment and processes, and brings this information to the SCADA computer located in the Administration Building. The PLCs contain the programming that controls the operation of all plant equipment. Another important part of the SCADA system is monitoring all plant equipment and sending alarms to the Police Department when critical equipment fails.

Justification

If the SCADA system should fail, staff would have to manually operate plant equipment. This would result in staff spending more time operating plant equipment and less time maintaining equipment. The Water Pollution Control Facility would also have to come up with another way to monitor critical plant equipment or have the plant staffed 24/7.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		75,000				75,000
Total		75,000				75,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund		75,000				75,000
Total		75,000				75,000

Budget Impact/Other

This project is not expected to impact the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218119
Project Name Replace New Holland Tractor

Type Replacement
Useful Life 20 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 3 Average



Description

Replace the New Holland Tractor that was purchased in 2001. The tractor is used to maintain plant grounds (lawn mowing and snow removal), move heavy equipment, manhole castings/lids, and unload chemicals and other products received by trucks.

Justification

There are certain areas in the plant where the tractor works best for snow removal due to limited space. Safety is also a big concern as we receive many heavy shipments by truck that can only be safely unloaded using the tractor. We also use the tractor for safely loading/unloading heavy plant equipment that staff transports directly to the vendor for repair.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		25,000				25,000
Total		25,000				25,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund		25,000				25,000
Total		25,000				25,000

Budget Impact/Other

This project is not expected to impact the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218121
Project Name Replace Wheeled End Loader

Type Replacement
Useful Life 15 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 3 Average



Description

Replace the end loader that was purchased in 2006. The end loader is mainly used to stack Biosolids in the Biosolids storage building and load trucks that transport Biosolids to hauling sites. The end loader is also used to move heavy snow. From time to time, the loader is used by the Public Works department for loading salt trucks and for snow removal.

Justification

Without the loader, we would have no way to stack the Biosolids in the storage building to maximize storage space. The loader is also needed to load dump trucks that transport Biosolids to approved WI Department of Natural Resources sites.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		220,000				220,000
Total		220,000				220,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund		220,000				220,000
Total		220,000				220,000

Budget Impact/Other

This project is not expected to impact the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218124
Project Name Replace #4 Raw Wastewater Pump

Type Replacement
Useful Life 20 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

This is a 75 Hp pump that pumps wastewater up 35 feet from the main interceptor to the treatment plant where it then starts going through many treatment processes.

Justification

This pump is one of two raw wastewater 75Hp pumps that is mainly used during periods of high flow that occurs after/during a significant rainfall event. The 75 Hp pumps are needed to ensure that all flow coming to the plant can be pumped from the wet well and not backup into the main interceptor and eventually into customers' basements.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		90,000				90,000
Total		90,000				90,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund		90,000				90,000
Total		90,000				90,000

Budget Impact/Other

This project is not expected to impact the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218126
Project Name Replace Primary Tank Collectors

Type Replacement
Useful Life 15 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

The primary tank collectors are large scrapers that move settled organic solids to the north end of the tank where the solids are stored in a hopper. This organic material is then periodically pumped to the digesters for further treatment.

Justification

If the scrapers fail, we would overload the plant with organics and cause a violation of our Wisconsin Pollutant Discharge Elimination System (WPDES) permit.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		100,000				100,000
Total		100,000				100,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund		100,000				100,000
Total		100,000				100,000

Budget Impact/Other

This project is not expected to impact the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218135
Project Name Upgrade Shonas Lift Station

Type Replace/Upgrade
Useful Life 25 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 3 Average



Description

Justification

The Shonas Lift Station has been in service since 1995. While still dependable, the motor starters, pumps, valves, and control panel need to be replaced or upgraded. The forces main was replaced in 2018.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		90,000				90,000
Total		90,000				90,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund		90,000				90,000
Total		90,000				90,000

Budget Impact/Other

This project is not expected to impact the operation budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 228106
Project Name Replace Filter Building Heat/Venting System

Type Replacement
Useful Life 40 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

The heat/venting (HV) system provides heat to the filter building as well as providing fresh air. This system helps to keep the building warm and reduces moisture buildup.

Justification

The wastewater treatment plant needs to keep the building heated during the winter months to keep water pipes from freezing and equipment running. During summer, the ventilation system keeps air circulating in the building to help reduce moisture and potential equipment corrosion.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		50,000				50,000
Total		50,000				50,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund		50,000				50,000
Total		50,000				50,000

Budget Impact/Other

This project is not expected to have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 238102
Project Name Replace Heating/Venting System w/ Controls

Type Replacement **Department** Wastewater
Useful Life 20 years **Contact** Wastewater Treatment Plant Sup
Category Wastewater **Priority** 2 High



Description

Replace heating/venting system and controls for the step screen building.

Justification

This system was put into operation in 2003 with a projected service life of 20 years. Raw wastewater enters this building; continuous ventilation is needed to protect the health and safety of staff that work in the building daily.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		80,000				80,000
Total		80,000				80,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund		80,000				80,000
Total		80,000				80,000

Budget Impact/Other

This project is not expected to have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218101
Project Name Upgrade Hickory Grove Lift Station

Type Replace/Upgrade
Useful Life 25 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 3 Average



Description

The Hickory Grove Lift Station has been in service since 1996. While still dependable, the wastewater utility needs to consider replacing pumps, valves, and the control panel. The utility will also need to evaluate the condition of the wet well (concrete basin where wastewater enters and pumps are located) and force main (wastewater is pumped into force main to upstream manhole). If the wet well and force main need to be replaced, this could add an additional \$100,000 to \$200,000 to the cost of this project.

Justification

Protect the health and safety of customers serviced by the Hickory Grove Lift Station.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			90,000			90,000
Total			90,000			90,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund			90,000			90,000
Total			90,000			90,000

Budget Impact/Other

This project is not expected to impact the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 238101
Project Name Upgrade Business Park Lift Station

Type Replace/Upgrade
Useful Life 30 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

Replace lift station control panel and pumps.

Justification

This lift station was put into service in 1993. Projected service life is 30 years.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment				60,000		60,000
Total				60,000		60,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund				60,000		60,000
Total				60,000		60,000

Budget Impact/Other

This project is not expected to have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218129
Project Name Replace Aeration Channel Blowers(3)

Type Replacement
Useful Life 15 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

The aeration channel blowers keep the wastewater solids well mixed before solids enter the aeration tank for treatment,

Justification

If the aeration channel blowers would fail, wastewater organic solids would accumulate in the channel. This would reduce biological treatment that occurs in the aeration tanks.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment					75,000	75,000
Total					75,000	75,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund					75,000	75,000
Total					75,000	75,000

Budget Impact/Other

This project is not expected to impact the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 218134
Project Name Replace 80 Kw Portable Generator

Type Replacement
Useful Life 25 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

The 80 Kw portable generator is used to provide power to the lift stations in the event of a power outage.

Justification

If the generator would fail and the city experienced a power outage, we would not be able to power the lift stations. The end result could be sewer backups in areas serviced by lift station(s).

Expenditures	2020	2021	2022	2023	2024	Total
Equipment					35,000	35,000
Total					35,000	35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund					35,000	35,000
Total					35,000	35,000

Budget Impact/Other

This project is not expected to have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 248101
Project Name Upgrade Meadows Lift Station

Type Replace/Upgrade
Useful Life 25 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

Replace lift station control panel and pumps.

Justification

This lift station was put into service in 1999. Projected service life is 25 years

Expenditures	2020	2021	2022	2023	2024	Total
Construction					90,000	90,000
Total					90,000	90,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund					90,000	90,000
Total					90,000	90,000

Budget Impact/Other

This project is not expected to have an impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 248102
Project Name Replacement of Sewer Jet/Vac Machine

Type Replacement
Useful Life 10 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 2 High



Description

Replacement of sewer Jet/Vac truck used for annual sewer cleaning and emergency sewer back-up situations. It is also used for hydro excavation for the wastewater department and to assist other city departments.

Justification

This is a 24/7 vehicle used for general maintenance of sewer lines and emergency situations. It also is used for various emergency and non-emergency tasks at the Wastewater Treatment plant.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment					310,000	310,000
Total					310,000	310,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund					310,000	310,000
Total					310,000	310,000

Budget Impact/Other

Budget impact will be operation costs.

Budget Items	2020	2021	2022	2023	2024	Total
Fuel					4,100	4,100
Maintenance					1,200	1,200
Total					5,300	5,300

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 248103
Project Name Replacement of Truck w/ Topper

Type Replacement
Useful Life 10 years
Category Wastewater
Department Wastewater
Contact Wastewater Treatment Plant Sup
Priority 3 Average



Description

Replace an F150 pick-up with topper that was purchased in 2014.

Justification

This truck is used by staff to pick up parts and supplies needed for the operation of the treatment plant and collection system. Staff also uses truck to attend conferences and training seminars.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment					25,000	25,000
Total					25,000	25,000

Funding Sources	2020	2021	2022	2023	2024	Total
Wastewater Fund					25,000	25,000
Total					25,000	25,000

Budget Impact/Other

Budget Items	2020	2021	2022	2023	2024	Total
Fuel					900	900
Maintenance					250	250
Total					1,150	1,150

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STORMWATER PROJECTS

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Capital Improvement Plan Stormwater Fund

Capital Item	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
Street Reconstruction (Annual Stormwater Improvement)					
2020 Stormwater Improvements	893,000	-	-	-	-
2021 Stormwater Improvements	-	273,000	-	-	-
2022 Stormwater Improvements	-	-	745,000	-	-
2023 Stormwater Improvements	-	-	-	474,000	-
2024 Stormwater Improvements	-	-	-	-	634,000
Pavement Rehabilitation (Annual Stormwater Repair/Adjustments)					
2020 Stormwater Repair/Adjustments	6,000	-	-	-	-
2021 Stormwater Repair/Adjustments	-	147,000	-	-	-
2022 Stormwater Repair/Adjustments	-	-	6,000	-	-
2023 Stormwater Repair/Adjustments	-	-	-	9,000	-
2024 Stormwater Repair/Adjustments	-	-	-	-	6,000
Total Annual Stormwater Improvements	899,000	420,000	751,000	483,000	640,000
Stormwater Facilities					
NW Koshkonong Facility*	3,100,000	-	-	-	-
S Koshkonong Facility*	500,000	-	-	-	-
Smith's Crossing - Pond Construction*	300,000	-	-	-	-
TID 12 Regional Stormwater Facility*	-	1,100,000	-	-	-
TMDL Water Quality Requirements					
TMDL Water Quality Projects	200,000	200,000	200,000	200,000	200,000
Maintenance Equipment					
Skid Steer Loader	55,000	-	-	-	-
Lawn Sweeper (33% SWU)**	11,700	-	-	-	-
Tractor	-	-	-	-	215,000
Network Cabling Replacement Project (0.25% SWU)	500	-	-	-	-
Debt Issuance Costs	-	14,500	-	13,600	-
Total Cost	\$ 5,066,200	\$ 1,734,500	\$ 951,000	\$ 696,600	\$ 1,055,000

Street Reconstruction and Pavement Rehabilitation Projects are detailed in the section labeled "[Street Projects](#)".

*New construction detailed project descriptions are located in the section labeled "[New/Upgraded Capital Projects](#)".

**Equipment has multiple funding sources. The detail sheet is in the section labeled "[Fleet Replacement Projects](#)".

FINANCING SUMMARY:

Cash	18,000	4,000	942,650	3,000	1,141,000
Debt	101,000	630,500	8,350	693,600	(86,000)
Grant	-	-	-	-	-
Restricted Funds	-	-	-	-	-
TIF Funded	-	1,100,000	-	-	-
Contributed Capital	-	-	-	-	-
Prior Year Debt Available	4,947,200	-	-	-	-
Total	\$ 5,066,200	\$ 1,734,500	\$ 951,000	\$ 696,600	\$ 1,055,000

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Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 168530
Project Name NW Koshkonong Facility

Type New
Useful Life 50 years
Category Storm Sewer/Drainage
Department Stormwater
Contact City Engineer
Priority 2 High



Description

The City has agreements in place to acquire land in 2018 and will construct a NW Koshkonong stormwater facility in 2019. This facility is expected to be able to address stormwater quantity and quality needs for up to 110 acres.

Along with the Koshkonong facility, storm sewer upgrades will be needed under Thompson Road to convey water from W. Main Street to this facility. This item is included separately in the CIP (Project 196060).

Justification

The construction of this basin is to offset an anticipated increase in discharge rates from the upper portion of the watershed following completion of an outlet structure improvement project at Batz Pond north of STH 19. The location of this basin offers the possibility to provide post-development stormwater management for approximately 110 acres of land to the west and south of the basin location which are currently untreated. This becomes more of a priority as the City is being required to meet state Total Maximum Daily Load requirements for Total Suspended Solids and Total Phosphorous reductions.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	3,100,000					3,100,000
Total	3,100,000					3,100,000

Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund	3,100,000					3,100,000
Total	3,100,000					3,100,000

Budget Impact/Other

This project will require Public Works maintenance.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208530
Project Name S Koshkonong Facility

Type New
Useful Life 50 years
Category Storm Sewer/Drainage

Department Stormwater
Contact City Engineer
Priority 3 Average



Description

Design and construct a stormwater facility on city owned land. When completed, the facility will include components to address both stormwater quality and quantity issues. The project is expected to be designed in 2019 and constructed in 2020. The existing site has environmental issues that could cause delays in the design and construction schedule.

Justification

This project's priority increases as the city strives to meet TMDL requirements for total suspended solids and total phosphorous reductions.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	500,000					500,000
Total	500,000					500,000

Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund	500,000					500,000
Total	500,000					500,000

Budget Impact/Other

This project will have a minor budget impact. Additional funding will be requested through a budget initiative addressing citywide stormwater needs.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208534
Project Name Smith's Xing Pond Construction

Type New
Useful Life 25 years
Category Storm Sewer/Drainage
Department Engineering
Contact City Engineer
Priority 2 High



Description **Total Project Cost:** \$300,000

Staff is requesting this project be added to the Storm Water Improvements for 2020 at a cost of \$300,000. This pond is to address City TMDL requirements.

Justification

This project's priority increases as the city strives to meet TMDL requirements for total suspended solids and total phosphorous reductions. This project was identified in our master stormwater plan.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	300,000					300,000
Total	300,000					300,000

Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund	300,000					300,000
Total	300,000					300,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

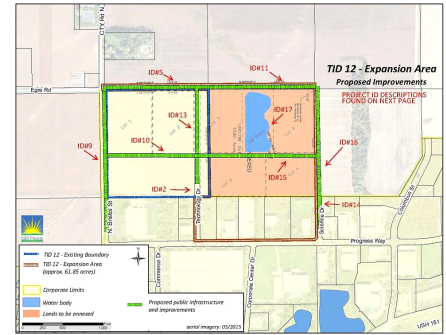
2020 *thru* 2024



Project # 198533
Project Name TID 12 Regional Stormwater Facility

Type New
Useful Life 25 years
Category Storm Sewer/Drainage

Department Stormwater
Contact City Engineer
Priority 2 High



Description

This facility is part of the TIF #12 public infrastructure improvements.

Justification

In anticipation of additional development, the city established a timeline for infrastructure improvements within TID #12. With the large area for expansion, the city has deemed that a regional stormwater facility is the best option for future development. Without knowing exactly when development will occur, the Economic Development Department along with the Engineering Department agreed to phase-in the stormwater construction. Overall design will begin in 2019 and construction will occur later in 2021. Having the design completed in 2019 allows the city to present this future plan to prospective businesses and would be an advantage over other greenfield sites.

Expenditures	2020	2021	2022	2023	2024	Total
Design		100,000				100,000
Construction		1,000,000				1,000,000
Total		1,100,000				1,100,000

Funding Sources	2020	2021	2022	2023	2024	Total
TIF District		1,100,000				1,100,000
Total		1,100,000				1,100,000

Budget Impact/Other

The addition of a new stormwater facility will result in additional operating costs, which can be identified and monetized as plans are finalized. It is likely that the operating cost increase will be incremental; Public Works will continue to monitor workloads department-wide as the city grows.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208533
Project Name TMDL - Water Quality Projects

Type Improvement
Useful Life Permanent
Category Storm Sewer/Drainage
Department Stormwater
Contact City Engineer
Priority 3 Average



Description

The US Environmental Protection Agency (EPA) has approved a Total Maximum Daily Load (TMDL) for the Rock River Basin for phosphorus and total suspended solids (TSS). The Rock River Basin includes the Yahara, Koshkonong and Mauneshia watersheds. The City of Sun Prairie has areas that drain to all three watersheds. Municipal Separate Storm Sewer Systems (MS4s), including Sun Prairie, are required to meet surface water quality standards in these watersheds.

The Madison Metropolitan Sewerage District (MMSD) has created a watershed adaptive management (AM) program that addresses the city's needs for the Yahara watershed. The city will also be responsible for achieving these stormwater goals in the Koshkonong and Mauneshia watersheds.

Justification

The TMDL standards set forth by the EPA mandate the city reduce phosphorous and TSS in these watersheds. The Yahara watershed goals are being met through the Adaptive Management program. In the absence of an adaptive management program for the Mauneshia and Koshkonong watersheds, the city must design and construct stormwater facilities to achieve these water quality standards.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	200,000	200,000	200,000	200,000	200,000	1,000,000

Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	200,000	200,000	200,000	200,000	200,000	1,000,000

Budget Impact/Other

This project is not expected to have an operational budget impact.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 208531
Project Name Skid Steer Loader

Type Replacement
Useful Life 10 years
Category Storm Sewer/Drainage
Department Stormwater
Contact Fleet Supervisor
Priority 2 High



Description

Replace one skid steer loader (vehicle 813). This unit will be replacing a 2010 John Deere skid steer. This unit is used with varying attachments to blow and plow snow, grind stumps, mow, load trucks, fork lift, auger holes, plant trees, and complete other duties.

Justification

This unit is one of the most versatile pieces of equipment in city operations. It is used daily. Following a standard replacement schedule will assure a dependable unit is available for day to day operations. New technology will help increase employee productivity.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	55,000					55,000
Total	55,000					55,000

Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund	55,000					55,000
Total	55,000					55,000

Budget Impact/Other

This loader replaces similar equipment currently in use. The replacement is not expected to have a significant impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 207403
Project Name Lawn Sweeper

Type Replacement
Useful Life 15 years
Category Vehicles
Department Public Works : Fleet
Contact Fleet Supervisor
Priority 2 High



Description

Replace one self-propelled lawn sweeper. This unit will replace a 2005 Smithco lawn sweeper (vehicle 566). This unit is used to sweep and collect lawn debris such as excessive grass clippings, leaves, and other small debris on turf areas.

Justification

This unit performs its task by sweeping and collecting debris on turf areas when needed. This is done by a rotating drum and fingers. Due to the high wear and tear, maintenance costs become a major factor in the timely replacement of this unit.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	35,000					35,000
Total	35,000					35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet GO Borrowing	23,300					23,300
Stormwater Fund	11,700					11,700
Total	35,000					35,000

Budget Impact/Other

This vehicle replaces a similar vehicle currently in the city's fleet. The replacement is not expected to have a significant impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 248501
Project Name Tractor

Type Replacement
Useful Life 10 years
Category Storm Sewer/Drainage

Department Stormwater
Contact Fleet Supervisor
Priority 2 High



Description

This tractor will be a replacement for the current tractor. This unit is used for ditchside mowing and maintenance of storm water facilities. It also is used for hauling and spreading of yard waste and used for snow removal operations.

Justification

The state of Wisconsin requires ditches and ponds to be maintained by mowing of weeds and grasses that may be noxious or invasive species. This practice serves to keep the roadways clear of obstruction from tall grass and weed control which makes for safer travel. Because this tractor also is assigned a route for snow removal, it is an important part of every snow removal operation.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment					215,000	215,000
Total					215,000	215,000

Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater GO Borrowing					215,000	215,000
Total					215,000	215,000

Budget Impact/Other

This is replacement equipment and is not expected to have an operating budget impact.

Capital Improvement Plan

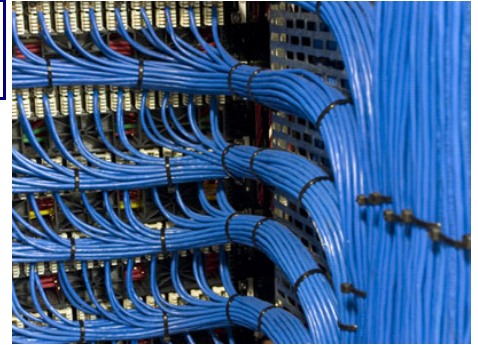
City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 201104
Project Name Network Cabling Replacement Project

Type Replacement
Useful Life 15 years
Category Buildings
Department IT
Contact IT Director
Priority 3 Average



Description

Replace network cabling between devices (computers, printers, phones, etc.) and City network switches in City Hall, the West Side Community Building, Public Works, Waste Water, Library, Media Center, and East EMS/Fire Facilities. Replacement will resolve issues with performance and reliability, update the network to a modern cabling standard, and provide another 10 to 15 years of useful life.

Justification

Network cabling in City buildings has reached the end of its useful life and is beginning to experience issues with performance and reliability. This impacts the ability of all City employees and users to perform their duties in the most efficient manner possible. This project will rectify those issues, increase performance, modernize the network by utilizing a modern cabling standard, and provide another 10 to 15 years of useful life.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	200,000					200,000
Total	200,000					200,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet Inservice Fund	6,000					6,000
GO Borrowing	187,500					187,500
Stormwater Fund	500					500
Wastewater Fund	6,000					6,000
Total	200,000					200,000

Budget Impact/Other

This project will reduce the amount spent annually on network cabling repairs by approximately \$2000.

Budget Items	2020	2021	2022	2023	2024	Total
Professional Services		-2,000	-2,000	-2,000		-6,000
Total		-2,000	-2,000	-2,000		-6,000

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FLEET REPLACEMENT PROJECTS

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Unit	Year	Make/Model	Description	Life Cycle	Mileage	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
Public										
124	2007	FREIGHTLINER	PATROL TRUCK	15 YEARS	39,441	-	-	241,000	-	-
140	2014	CIMLINE	CRACK FILLER	10 YEARS	1,516 HR	-	-	-	-	60,000
146	2003	JD 772CH	GRADER	18 YEARS	1,298 HR	-	300,000	-	-	-
150	2009	JD544K	ENDLOADER	12 YEARS	3,446 HR	-	255,000	-	-	-
150	2022	JD544K	ENDLOADER	12 YEARS	0 HR	-	-	262,650	-	-
181	2011	CHEVY	FLATBED DUMP	10 YEARS	57,813	-	55,000	-	-	-
182	2012	FORD	PICK UP	10 YEARS	46,131	-	-	50,000	-	-
183	2013	FORD	FLATBED DUMP	10 YEARS	39,074	-	-	-	57,000	-
184	2014	FORD	PICK UP	10 YEARS	32,616	-	-	-	-	53,000
229	2005	STEPP SPH 2.5	HOT BOX	15 YEARS	N/A	35,000	-	-	-	-
255	2004	H&S	SPREADER	15 YEARS	N/A	-	-	-	-	-
258	2004	BOMAG	ROLLER	15 YEARS	391 HR	35,000	-	-	-	-
268	2015	CRAFCO	CRACK ROUTER	8 YEARS	331 HR	-	-	-	16,000	-
269	2015	GRACO	LINE PAINTER	8 YEARS	N/A	-	-	-	12,000	-
275	2005	BOMAG TACK	TACK MACHINE	15 YEARS	N/A	-	20,000	-	-	-
279	2014	MORBARK	CHIPPER	8 YEARS	867 HR	-	63,000	-	-	-
280	2013	DURAPATCHER	SPRAY PATCHER	8 YEARS	891 HR	-	100,000	-	-	-
Total Public Works						\$ 70,000	\$ 793,000	\$ 553,650	\$ 85,000	\$ 113,000
Engineering										
406	2014	FORD	ENG PICK UP	10 YEARS	13,793	-	-	-	-	36,000
Total Engineering						\$ -	\$ -	\$ -	\$ -	\$ 36,000
Administration										
318	2009	FORD	FOCUS	10 YEARS			-	-	-	-
320	2010	DODGE	MINI VAN	10 YEARS			-	-	-	-
321	2013	FORD	FOCUS	10 YEARS	33,539	-	-	-	27,000	-
Total Administration						\$ -	\$ -	\$ -	\$ 27,000	\$ -
Parks										
512	2017	BOBCAT	5600 TOOLCAT	7 YEARS	805 HR	-	-	-	-	67,000
562	1998	PRO SEED	TOP DRESSER	20 YEARS	N/A	-	22,000	-	-	-
566	2005	SMITHCO	LAWN SWEEPER	15 YEARS	345	35,000	-	-	-	-
588	2013	JOHN DEERE	WAM MOWER	7 YEARS	1,716 HR	63,000	-	-	-	-
589	2013	SCAG	ZERO TURN MOWER	8 YEARS	512 HR	-	13,000	-	-	-
590	2013	FORD	BUCKET TRUCK	10 YEARS	14,476	-	-	-	-	160,000
591	2014	FORD	PICK UP	10 YEARS	41,550	-	-	-	-	53,000
592	2015	JOHN DEERE	WAM MOWER	7 YEARS	1,343 HR	-	-	68,000	-	-
595	2017	JOHN DEERE	WAM MOWER	7 YEARS	644 HR	-	-	-	-	73,000
Total Parks						\$ 98,000	\$ 35,000	\$ 68,000	\$ -	\$ 353,000
Sub-Total Public Parks						\$ 168,000	\$ 828,000	\$ 621,650	\$ 112,000	\$ 502,000



CITY OF
SUN PRAIRIE
Wisconsin

Public Works
Fleet Replacement Plan

Unit	Year	Make/Model	Description	Life Cycle	Mileage	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
EMS										
880	2014	FORD	AMBULANCE	6 YEARS	86,303	243,000	-	-	-	-
881	2016	FORD	AMBULANCE	6 YEARS	73,156	-	-	250,000	-	-
883	2018	FORD	AMBULANCE	6 YEARS	14,815	-	-	-	-	260,000
Total EMS		Total EMS				\$ 243,000	\$ -	\$ 250,000	\$ -	\$ 260,000
Fire Department										
L-2	2008	PIERCE	AERIAL PLATFORM	15 YEARS	33,115	-	-	800,000	800,000	-
Total Fire Department		Total Fire Department				\$ -	\$ -	\$ 800,000	\$ 800,000	\$ -
Police Department										
2	2015	FORD	SUV SQUAD CAR	8 YEARS	24,080	-	-	-	54,000	-
	2019	FORD	SUV ASST. CHIEF CAR	10 YEARS	-	49,500	-	-	-	-
4	2017	FORD	SUV SQUAD CAR	5 YEARS	44,122	-	-	52,000	-	-
5	2018	FORD	SUV SQUAD CAR	5 YEARS	56,104	-	-	-	55,000	-
6	2018	FORD	SUV SQUAD CAR	5 YEARS	15,100	-	-	-	55,000	-
7	2017	FORD	SUV SQUAD CAR	5 YEARS	21,417	-	-	52,000	-	-
9	2016	FORD	SUV SQUAD CAR K-9	5 YEARS	32,242	-	55,000	-	-	-
11	2015	FORD	SUV SQUAD CAR	5 YEARS	50,684	53,000	-	-	-	-
12	2015	FORD	SUV SQUAD CAR	5 YEARS	72,485	53,000	-	-	-	-
13	2018	FORD	SUV SQUAD CAR	5 YEARS	13,933	-	-	-	55,000	-
14	2015	FORD	SUV SQUAD CAR	5 YEARS	81,732	53,000	-	-	-	-
15	2016	FORD	SUV SQUAD CAR	5 YEARS	48,656	-	55,000	-	-	-
17	2017	FORD	SUV SQUAD CAR	5 YEARS	28,208	-	-	52,000	-	-
33	2013	CHEVY	TAHOE	10 YEARS	38,443	-	-	-	56,000	-
39	2014	DODGE	RAM CARGO VAN	10 YEARS	26,309	-	-	-	-	40,000
37	2015	FORD	EXPLORER UTILITY	10 YEARS	22,254	-	-	-	-	57,000
Total Police Department		Total Police Department				\$ 208,500	\$ 110,000	\$ 156,000	\$ 275,000	\$ 97,000
TOTAL FLEET INSERVICE FUND						\$ 619,500	\$ 938,000	\$ 1,827,650	\$ 1,187,000	\$ 859,000

Footnote: Items highlighted are included in the Capital Improvement Plan and will be borrowed for.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 227302
Project Name Patrol Truck

Type Replacement
Useful Life 15 years
Category Vehicles

Department Public Works : Fleet
Contact Fleet Supervisor
Priority 3 Average



Description

Replace a single axle patrol truck (vehicle 124) equipped with a dump box, rear mounted material spreader, front mount snow plow, and wing. This unit will replace a 2001 Freightliner FL 80 single axle patrol truck. The truck is used for city street snow removal and application of de-icing materials. It is also used to haul materials such as dirt, gravel, yard waste, and brush.

Justification

This truck is used for snow plowing and the application of de-icing materials which is a very corrosive product on metal, along with the extra wear and tear that plowing snow imposes on a vehicle. The maintenance and operating cost climb significantly around the 12-15 year mark. When the maintenance cost and down time start to impact the value and usefulness of the vehicle it is time to replace it. Since winter operations are a very important part of the Public Works department, if a truck is being repaired or is not available for use during a plowing or de-icing operation, it can have a large impact on getting the streets cleared and safe for motorists.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			241,000			241,000
Total			241,000			241,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet GO Borrowing			241,000			241,000
Total			241,000			241,000

Budget Impact/Other

This vehicle replaces a similar vehicle currently in the City's fleet. The replacement is not expected to have a significant impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 217301
Project Name Motor Grader

Type Replacement
Useful Life 18 years
Category Vehicles

Department Public Works : Fleet
Contact Fleet Supervisor
Priority 2 High



Description

Replace a motor grader including snow plow and wing plow attachments. This unit will be replacing a 2003 John Deere 772CH motor grader (vehicle 146). This equipment is used for snow removal operations as a plowing unit with an assigned plowing route. It is also used in roadside shoulder maintenance, ditch line maintenance, and other earth work around the city.

Justification

This piece of equipment is vital to the snow removal operation and can do things no other piece of snow removal equipment can, such as pushing back banks to increase snow storage at the curbside and removing hard pack from streets. Operating this motor grader as a piece of plowing equipment adds to the wear and tear normally not associated with a motor grader. Updating with new equipment will aid in the operator being more efficient and productive.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	300,000					300,000
Total	300,000					300,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet GO Borrowing	300,000					300,000
Total	300,000					300,000

Budget Impact/Other

This replaces similar equipment currently in the city's fleet. The replacement is not expected to have a significant impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 217302
Project Name Wheeled End Loader

Type Replacement
Useful Life 12 years
Category Vehicles

Department Public Works : Fleet
Contact Fleet Supervisor
Priority 2 High



Description

Replace a wheeled loader with a bucket, snow plow and wing plow attachments. This unit will be replacing a 2009 John Deere 544K wheeled loader (vehicle 150). This piece of equipment is used to load trucks with salt, dirt, rock, and other like type materials. It is used in the winter operations as a plowing unit with an assigned plowing route. It is also used in the collection of large diameter brush at curb side and maintenance of yard waste at the recycle center.

Justification

This piece of equipment is used for several different job functions and shared between three departments. It must be in good repair and up to date with the proper attachments. Operating this loader as a piece of plowing equipment adds to the wear and tear normally not associated with a loader. Updating with new equipment will aid in the operator being more efficient and productive.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		255,000				255,000
Total		255,000				255,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet GO Borrowing		255,000				255,000
Total		255,000				255,000

Budget Impact/Other

This replaces similar equipment currently in the city's fleet. The replacement is not expected to have a significant impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 227301
Project Name Wheeled End Loader with Plow and Wing

Type New
Useful Life 15 years
Category Vehicles
Department Public Works : Fleet
Contact Fleet Supervisor
Priority 5 Future Consideration



Description

Purchase an additional Wheeled End Loader with a snow plow, wing and grapple bucket.

Justification

The purchase of a wheeled end loader with a snow plow and wing is needed to accommodate the addition of over 30 lane miles of streets in the last five years. The addition of the end loader will allow Public Works to add an additional route to the plowing operation and reduce the amount of time for plowing completion.
The wheeled end loader will also help storm water with installation of pipes and excation of storm water facilities.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			262,650			262,650
Total			262,650			262,650

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet Inservice Fund			160,000			160,000
Stormwater GO Borrowing			102,650			102,650
Total			262,650			262,650

Budget Impact/Other

This new piece of equipment will increase maintenance expenses in the operating budget.

The Department of Public Works is monitoring plowing routes and staffing needs as the City's street miles grow, to ensure consistent and timely snow and ice operations. Any operating needs related to staffing will be addressed in a budget initiative not related to a specific piece of equipment.

Budget Items	2020	2021	2022	2023	2024	Total
Fuel			2,000	2,000		4,000
Maintenance			1,500	1,500		3,000
Total			3,500	3,500		7,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 217303
Project Name Flatbed Dump Truck with Plow

Type Replace/Upgrade
Useful Life 10 years
Category Vehicles
Department Public Works : Fleet
Contact Fleet Supervisor
Priority 3 Average



Description

Replace a one-ton truck with a dump body and snow plow. This unit will replace a 2011 Chevy 3500 with a dump box (vehicle 181).

Justification

This truck is used to haul materials such as dirt, gravel, yard waste, and brush. It is also used to tow trailers and pieces of trailer mounted equipment. Operating in these conditions and performing these duties adds to the wear and tear put upon the vehicle.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		55,000				55,000
Total		55,000				55,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet GO Borrowing		55,000				55,000
Total		55,000				55,000

Budget Impact/Other

This vehicle replaces a similar vehicle currently in the city's fleet. The replacement is not expected to have a significant impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 207302
Project Name Hot Box Trailer

Type Replacement
Useful Life 15 years
Category Vehicles

Department Public Works : Fleet
Contact Fleet Supervisor
Priority 2 High



Description

Replace one hot box trailer used to heat and dispense asphalt. This unit will replace a 2005 Stepp hot box (vehicle 229). Pothole patching and street cut out repair are two important jobs that require the proper tools and equipment to complete.

Justification

The make-up of hot asphalt requires that the mixture be kept hot in the range of 250-300 degrees for proper application and use. Since it is a requirement to keep the product hot, continuous contact with a heating flame, over time it erodes the box and creates voids. The heavy weight of the material also adds to the wear and tear on axles and wheels. Replacing the unit will ensure continued ability to perform required street maintenance tasks.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	35,000					35,000
Total	35,000					35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet GO Borrowing	35,000					35,000
Total	35,000					35,000

Budget Impact/Other

This trailer replaces similar equipment currently in the city's fleet. The replacement is not expected to have a significant impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 207403
Project Name Lawn Sweeper

Type Replacement
Useful Life 15 years
Category Vehicles
Department Public Works : Fleet
Contact Fleet Supervisor
Priority 2 High



Description

Replace one self-propelled lawn sweeper. This unit will replace a 2005 Smithco lawn sweeper (vehicle 566). This unit is used to sweep and collect lawn debris such as excessive grass clippings, leaves, and other small debris on turf areas.

Justification

This unit performs its task by sweeping and collecting debris on turf areas when needed. This is done by a rotating drum and fingers. Due to the high wear and tear, maintenance costs become a major factor in the timely replacement of this unit.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	35,000					35,000
Total	35,000					35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet GO Borrowing	23,300					23,300
Stormwater Fund	11,700					11,700
Total	35,000					35,000

Budget Impact/Other

This vehicle replaces a similar vehicle currently in the city's fleet. The replacement is not expected to have a significant impact on the operating budget.

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 227606
Project Name Ladder Truck Replacement

Type Replacement
Useful Life 15 years
Category Vehicles

Department Public Works : Fleet
Contact Fleet Supervisor
Priority 2 High



Description

The replacement of one Aerial fire truck. This unit will replace a 2008 Pierce Aerial truck. The ladder truck is used for the suppression and prevention of fire along with numerous support roles during fire ground operations and training.

Justification

The ladder truck's primary role is for fire suppression and rescue of multi-story structures. NFPA has a recommended guideline of a 15-year life cycle on this type of vehicle. When the maintenance cost and down time start to impact the value and usefulness of the vehicle, it is time to replace it. Since this vehicle is a very important part of the Fire Department, if the truck goes down or is not available for use during an emergency situation it can have a major impact on fire suppression and rescue efforts.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			800,000	800,000		1,600,000
Total			800,000	800,000		1,600,000

Funding Sources	2020	2021	2022	2023	2024	Total
Fleet GO Borrowing			800,000	800,000		1,600,000
Total			800,000	800,000		1,600,000

Budget Impact/Other

This truck replaces a similar vehicle currently in the city's fleet. The replacement is not expected to have a significant impact on the operating budget.

SUN PRAIRIE UTILITY PROJECTS

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CITY OF
SUN PRAIRIE
Wisconsin

Capital Improvement Plan Sun Prairie Utilities

Description	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
CAPITAL ITEMS					
Electric-System Additions*	\$ 1,066,550	\$ 1,077,216	\$ 1,087,988	\$ 1,098,868	\$ 1,109,856
Construct Well #10*	750,000	-	-	-	-
Automatic Meter Reading System*	500,000	-	-	-	-
Electric Outage Management System*	144,000	-	-	-	-
SCADA System Upgrades	100,000	-	-	-	-
Skidsteer Loader w/Tracks	65,000	-	-	-	-
Ford F350 Replacement-Vehicle 33	60,000	-	-	-	-
Ford Ranger Replacement - Vehicle 34	35,000	-	-	-	-
LED System Street Lighting Upgrades*	30,000	30,000	30,000	30,000	-
Business Park Substation Expansion*	-	2,106,000	-	728,000	-
Ford F350 Replacement - Vehicle 35	-	60,000	-	-	-
Construct Pressure Relief Valve #2*	-	-	475,000	-	-
John Deere 310 SJ Backhoe Loader Replacement-Veh21	-	-	-	110,000	-
Ford F750 Bucket Truck Replacement	-	-	-	-	270,000
Ford F550 Operations Bucket Truck Replacement	-	-	-	-	160,000
Total Cost	\$ 2,750,550	\$ 3,273,216	\$ 1,592,988	\$ 1,966,868	\$ 1,539,856

*New construction detailed project descriptions are located in the section labeled "[New/Upgraded Capital Projects](#)".

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Capital Improvement Plan

City of Sun Prairie, Wisconsin

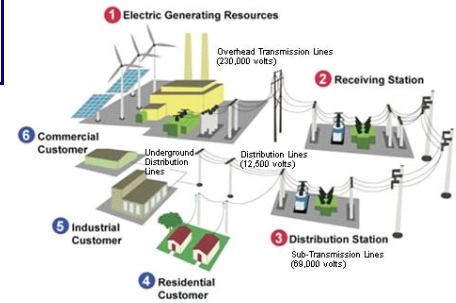
2020 *thru* 2024



Project # 205007
Project Name Electric-System Additions

Type New
Useful Life 30 years
Category SPU: Electric

Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Annually, SPU's Electric Department creates and installs facilities for many work orders which get categorized into the Distribution System Additions initiative. The budget for this item is difficult to determine, as is heavily based on City growth and expansion. The budget for this is taken from historic 3-Year average expenditures (1% inflation increase annually) and includes most everything outside of Long-Range Planning Initiatives.

Justification

Sun Prairie has the obligation to reliably design and install electric service to all new customers in Sun Prairie, as well as upgrading and bolstering service to any existing areas needing improved reliability. Our Operations Department focuses on providing the most robust, reliable service in the most economical manner possible.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	1,066,550	1,077,216	1,087,988	1,098,868	1,109,856	5,440,478
Total	1,066,550	1,077,216	1,087,988	1,098,868	1,109,856	5,440,478

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	1,066,550	1,077,216	1,087,988	1,098,868	1,109,856	5,440,478
Total	1,066,550	1,077,216	1,087,988	1,098,868	1,109,856	5,440,478

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 195007
Project Name Construct Well #10

Type New
Useful Life 75 years
Category SPU: Water

Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 2 High



Description

Design and construct a new well and well control house to be located within the city's low-pressure system.

Justification

The city is currently served by two pressure systems, as low and high-pressure systems are separated generally by Main Street. The low-pressure system is growing with the likes of Smith's Crossing, Meadow Crossing and a number of apartments and businesses. This system is currently served by the city's oldest Well #3(1955 vintage) on Cliff St and Well #8 in Smith's Crossing, whereas the high-pressure system has 5 wells. The low-pressure wells are currently operating fine, but there is a need to bolster the reliability by constructing another to serve this area, as identified in the long-range plan. The goal is to find a property in 2018, construct a test well and based on successful draw from this well. Construct the well and its house in 2019/2020.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	750,000					750,000
Total	750,000					750,000

Funding Sources	2020	2021	2022	2023	2024	Total
SPU GO Borrowing	750,000					750,000
Total	750,000					750,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 185001
Project Name Automatic Meter Reading System

Type New
Useful Life 30 years
Category SPU: Electric
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Purchase and install a two-way communication metering and associated data collection system, reporting software, and billing integration. Upon completion, SPU will be able to utilize WPPI Energy's Meter Data Management System for valuable reporting features and best utilization of collected data.

SPU plans to spend \$500,000/year over a 4-year period on this project (2017-2020).

A construction authorization and Non-Standard Meter Tariff (Opt-Out Tariff) have been filed with the Public Service Commission of Wisconsin. The Non-Standard Meter Tariff would allow a customer to have a non-standard meter and be charged a monthly fee for manual processing.

Justification

An advanced metering infrastructure will provide increased distribution system monitoring, customer self-monitoring and usage control, improved customer service, and more accurate meter readings for billing. The system will have the ability to read all meters on the first of the month to best align with WPPI Energy wholesale metering reads, allowing SPU to accurately bill customers for the usage and consumption SPU is billed for by WPPI. With the likelihood of future time-of-use rates, customers will have greater ability to monitor and control personal consumption for peak savings.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	500,000					500,000
Total	500,000					500,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	500,000					500,000
Total	500,000					500,000

Budget Impact/Other

Capital Improvement Plan

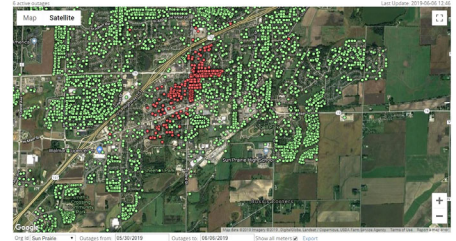
City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 205003
Project Name Electric Outage management System

Type New
Useful Life 10 years
Category SPU: Electric
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Technology advancement - In conjunction with the Advanced Metering Implementation and our new Electric SCADA System, SPU would like provide its customers with even greater reliability by implementing an outage management system.

Justification

WPPI assisted its members by taking on an initiative to evaluate various recommended outage management systems. Dave Euclide participated in a task force responsible for evaluating vendors and determining the best solution(s) for its 51 members. This evaluation has provided the best pricing and the possibility of hosting a solution, as well as connecting it to its existing meter data management and billing systems to provide the greatest possible value. The goal is to utilize existing automated meters, GIS mapping, and billing data to provide field operations with predictable failure devices and communicate with customers concerning outage data and estimated restoration times.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	144,000					144,000
Total	144,000					144,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	144,000					144,000
Total	144,000					144,000

Budget Impact/Other

Budget Items	2020	2021	2022	2023	2024	Total
Maintenance		31,000	31,000	31,000	31,000	124,000
Total		31,000	31,000	31,000	31,000	124,000

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 205001
Project Name SCADA System Upgrades

Type Replacement
Useful Life 10 years
Category SPU: Water

Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Per the long-range plan, this initiative upgrades Sun Prairie Utilities' 10-year old SCADA (Supervisory Control And Data Acquisition) system.

Justification

The SCADA systems require updates to incorporate technological advancements. With the existing system being 10-years old, it is the recommended time to upgrade the system. It will undergo a functionality evaluation and likely replace/upgrade PLC controls and computer, along with providing more mobile functionality. A contractor will work with staff to assist in the system upgrades.

Expenditures	2020	2021	2022	2023	2024	Total
Design	20,000					20,000
Equipment	80,000					80,000
Total	100,000					100,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	100,000					100,000
Total	100,000					100,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 205004
Project Name Skidsteer Loader w/Tracks

Type Replacement
Useful Life 20 years
Category Vehicles

Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

The field crews are looking to fill a need of setting transformers, picking up rocks and cleaning sidewalks during electric infrastructure installation. The vehicle must be able to navigate in tightly spaced backyard and residential lots.

Justification

SPU Fleet Program and associated replacement schedule – this would be considered a new piece of equipment and placed on a 20-year replacement schedule. Its useful life is estimated to be 20 years. The justification for purchase is largely based on safety and job efficiency. As an alternative, SPU may look into acquiring a used, low hour piece of equipment.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	65,000					65,000
Total	65,000					65,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	65,000					65,000
Total	65,000					65,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 205005
Project Name Ford F350 Replacement-Vehicle 33

Type Replacement
Useful Life 10 years
Category Vehicles
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Replace the 2010 Ford F-350 Pickup Truck with another F350 of standardized specifications. The vehicle will be used by the Electric Line Department.

Justification

SPU Fleet Program and associated replacement schedule.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	60,000					60,000
Total	60,000					60,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	60,000					60,000
Total	60,000					60,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 205006
Project Name Ford Ranger Replacement - Vehicle 34

Type Replacement
Useful Life 10 years
Category Vehicles
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Replace the 2010 Ford Ranger with another truck of similar specifications. The vehicle will be primarily used by the Electric Operations Superintendent.

Justification

SPU Fleet Program and associated replacement schedule.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	35,000					35,000
Total	35,000					35,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	35,000					35,000
Total	35,000					35,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 195004
Project Name LED System Street Lighting Upgrades

Type Replacement
Useful Life 30 years
Category SPU: Electric
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Upgrade street lighting to LED standards by replacing high pressure sodium light fixtures with LED fixtures on all city street construction projects, including partial reconstruction.

Justification

This is an energy conservation initiative, implemented in conjunction with all new construction installations. The goal is to convert the entire city in a timely fashion. Without this initiative, only new areas of the city will experience the lighting upgrade.

Expenditures	2020	2021	2022	2023	2024	Total
Construction	30,000	30,000	30,000	30,000		120,000
Total	30,000	30,000	30,000	30,000		120,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities	30,000	30,000	30,000	30,000		120,000
Total	30,000	30,000	30,000	30,000		120,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 185002
Project Name Business Park Substation Expansion

Type New
Useful Life 50 years
Category SPU: Electric
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 2 High



Description

Sun Prairie Utilities' most recent Long-Range System Study identified the need to expand the Business Park substation. This is a high priority project starting in 2018 and continuing to 2023. In addition to expanding to proactively meet the needs of the growing Business Park, it also addresses the need for transformer upgrades due to age and size.

Justification

By upgrading the Business Park substation, its operating expected reliability is improved and it allows ATC to upgrade its aging infrastructure. Most importantly, it eliminates the need to construct a sixth substation on the east side of the city. Both the Business Park and south substations currently have transformers that are serving well beyond their expected reliable life. Depending on aesthetic and security needs of a new substation, the estimated cost avoidance would range from \$3 to \$4 million.

Expenditures	2020	2021	2022	2023	2024	Total
Construction		700,000		728,000		1,428,000
Professional Services		251,000				251,000
Equipment		1,155,000				1,155,000
Total		2,106,000		728,000		2,834,000

Funding Sources	2020	2021	2022	2023	2024	Total
SPU GO Borrowing		1,996,000		728,000		2,724,000
Sun Prairie Utilities		110,000				110,000
Total		2,106,000		728,000		2,834,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 215001
Project Name Ford F350 Replacement - Vehicle 35

Type Replacement
Useful Life 10 years
Category Vehicles
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Replace the 2010 Ford F-350 Pickup Truck with another F350 of standardized specifications. The vehicle will be used by the Water Department.

Justification

SPU Fleet Program and associated replacement schedule

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		60,000				60,000
Total		60,000				60,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities		60,000				60,000
Total		60,000				60,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 225001
Project Name Construct Pressure Relief Valve #2

Type New
Useful Life 50 years
Category SPU: Water
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

The Utility installed a pressure relief valve to connect high and low-pressure zones in 2018. A second valve will be installed in 2021. Per the long-range plan, this will be the second of potentially three to be installed in the future.

This device will continuously monitor pressures in the low pressure zone, opening automatically at lower pressure levels for feed and assistance from the more robust high-pressure zone.

Justification

Per the long-range plan and the Wisconsin DNR Annual Survey, there are currently no system deficiencies. However, there is a recommendation to investigate and address the needs of the current Low-Pressure Zone (LPZ). With the LPZ served by two wells (one of which is the oldest on the system) and one tower, there is a need to bolster reliability in case SPU experiences problems to existing assets. The most cost-effective way to accomplish this is to install a pressure relief valve which engages the much larger and robust high-pressure zone infrastructure. The valve will continuously monitor pressures on the low-pressure zone, opening and closing as necessary to feed the LPZ with water from the HPZ.

Expenditures	2020	2021	2022	2023	2024	Total
Design			20,000			20,000
Equipment			455,000			455,000
Total			475,000			475,000

Funding Sources	2020	2021	2022	2023	2024	Total
SPU GO Borrowing			475,000			475,000
Total			475,000			475,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 235001
Project Name John Deere 310 SJ Backhoe Loader Replacement-Veh21

Type Replacement
Useful Life 15 years
Category Vehicles
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Replace the 2008 John Deere 310SJ Backhoe Loader used extensively by field crews for excavation.

Justification

SPU Fleet Program and associated replacement schedule of 15 years.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment				110,000		110,000
Total				110,000		110,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities				110,000		110,000
Total				110,000		110,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 245001
Project Name Ford F750 Bucket Truck Replacement

Type Replacement
Useful Life 15 years
Category Vehicles
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 2 High



Description

Replace the 2009 F750 Bucket Truck used for electric line work.

Justification

SPU Fleet Program and associated replacement schedule of 15 years.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment					270,000	270,000
Total					270,000	270,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities					270,000	270,000
Total					270,000	270,000

Budget Impact/Other

Capital Improvement Plan

City of Sun Prairie, Wisconsin

2020 *thru* 2024



Project # 245002
Project Name Ford F550 Operations Bucket Truck Replacement

Type Replacement
Useful Life 15 years
Category Vehicles
Department Sun Prairie Utilities
Contact Utilities Superintendent
Priority 3 Average



Description

Replace the 2014 Operations Trouble Bucket Truck used extensively by the on-call lineworker for simple restoration efforts and working at shorter elevations.

Justification

SPU Fleet Program and associated replacement schedule of 10 years.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment					160,000	160,000
Total					160,000	160,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sun Prairie Utilities					160,000	160,000
Total					160,000	160,000

Budget Impact/Other

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APPENDIX A - GLOSSARY

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Basin: A large bowl-shaped depression in the surface of land to hold water as a result of rainstorms and snowmelts.

Bituminous Asphalt Pavement: The majority of the City's streets are constructed of bituminous asphalt pavement. The one notable exception would be Main Street. Bituminous asphalt pavement is a hot mix blend of stone and other forms of aggregate materials joined together by a petroleum-based binding agent. Bituminous asphalt pavement has a life expectancy of approximately 25-years; can be designed to be strong enough to handle most kinds of traffic; and is relatively easy to repair or refinish.

Conveyance System: A means of transporting storm water. A system may include a combination of storm sewer pipe, swales, roads and concrete channels.

MMSD: Madison Metropolitan Sewerage District

Pavement Rehabilitation: This form of street reconstruction typically takes place on streets that are approximately 25-30 years old. The construction is generally limited to disturbance from curb to curb; although work beyond the curb and gutter may be included. Broken or settled sections of curb are spot repaired. The existing bituminous asphalt pavement is pulverized to its full depth and reshaped before being tested for soft areas in the base. New bituminous asphalt pavement is then placed on the street.

TMDL: Total Maximum Daily Load

Total Reconstruction: This form of street reconstruction typically involves construction that extends from right-of-way line to right-of-way line and onto private property in many cases. This construction includes the removal and replacement of curb and gutter; the removal and replacement of the roadway base and pavement, along with new 5-foot wide concrete sidewalk. New storm water collection and conveyance improvements are generally included in the Total Reconstruction of streets. Depending on the condition of the sanitary sewer and water main, the project may include upgrades to these publicly owned and maintained underground improvements.

TSS: Total Suspended Solids

WWTP: Waste Water Treatment Plant

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APPENDIX B – PRIORITY KEY

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- **Mandatory (1):** Project is mandated by Federal or State law, regulation, court order, municipal agreement, or contract or is an immediate health and safety issue that must be addressed.
 - **High Priority (2):** Project is a likely health and safety issue or may significantly affect operations or services that the City must address, at a minimum, within the next two to three years. A City plan, policy, or code must also identify the project as a requirement.
 - **Average Priority (3):** Project is highly desired, but is likely not a health or safety issue. The City should address this project at least within the next five years. A City plan, policy, or code may identify the project as a priority.
 - **Fairy Low Priority (4):** Project is more desirable than necessary and could be deferred several years before becoming an average or high priority. A City plan, policy, or code does not identify the project.
 - **Future Consideration:** Project is clearly a long-term request, which is not necessary within the six-year planning period. Project is included for illustrative purposes only.

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APPENDIX C – CAPITAL IMPROVEMENT POLICY

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Title: Capital Improvement Policy	
Policy Source: Finance Department	Creation Date: January 17, 2017
Application: All Employees	Revision Date: February 6, 2018
Indexed as: Capital Improvement	Total Pages: 5

1. General Policy

The purpose of this policy is the creation and preservation of the City's physical infrastructure including; roads and bridges, water, wastewater and storm water systems; public buildings; parks and open spaces; and communication and information management equipment/infrastructure. Because these require a significant commitment of public resources, planning for capital improvements is a matter of prudent financial management. This Capital Improvement Policy provides the general principles under which the City's Capital Improvement Program (CIP) is developed and implemented.

2. Capital Project (*Definition*)

A Capital Project (CP) is defined as a planned activity that creates, improves, maintains, repairs or replaces a fixed asset; results in a permanent addition to the City's asset inventory valued at \$25,000 or greater; and has a useful life of more than 10 years. Capital Improvements usually involve one of the following actions:

- Acquisition of property, equipment, or debt financed assets;
- Construction of new facilities; and/or
- Rehabilitation, reconstruction, renovation or upgrade of an existing asset to a condition which extends its useful life and/or increases its capacity.

Included within the above definition of a Capital Improvement Project are the following items:

- Construction of new facilities
- Remodeling or expansion of existing facilities
- Purchase, improvement and development of land
- Street construction, reconstruction, resurfacing or road improvements

- Sidewalks, Bike Paths
- Water, wastewater and stormwater infrastructure
- Vehicles, Heavy Equipment, IT Infrastructure and Other Machinery and Equipment
- Planning, engineering and administrative costs related to specific capital improvements
- Equipment and furnishings purchased as a part of a capital project

Fleet rolling stock and equipment are excluded from the CIP Policy.

Projects meeting the above definition shall be eligible for consideration and inclusion in the annually updated Capital Improvement Plan. Any and all expenditures meeting the criteria for fixed assets as defined by the City's Fixed Asset Policy shall continue to be budgeted and accounted for as capital expenditures, however, will not be eligible for inclusion in the Capital Improvement Plan unless they meet the above definition of a capital project. Staff questions regarding the definition of a capital project should contact the Finance Department.

3. Capital Improvement Program (*Process Development*)

The Capital Improvement Program (CIP) is a five-year plan that identifies the City's prioritized investments in capital assets and corresponding financial plans. The Capital Improvement Program not only includes a list of projects, which the City intends to fund over the next five years, but also an explanation of how it will finance these projects. The City's objective is to meet the capital needs of the City in a manner that is most beneficial to the citizens.

The Capital Improvement Program functions as:

- A multi-year projection of the City's major capital needs.
- A formal mechanism for decision-making related to planning and budgeting for major capital acquisitions.
- A link to the City's long range plans concerning the economic and physical development of the community, and the provision of public services.
- A financial management tool identifying future financing requirements for major capital acquisitions over the planning period.
- A communications device for reporting to internal and external stakeholders the City's capital priorities, and plans for the implementing capital projects.

To meet these ends, the City follows three principals in developing the CIP and determining which of the projects would receive funding. These principles are to:

- Preserve Current Investments
- Account for Future Costs
- Limit Expenses Based on Priority

- A. **Governing Body Approval:** Annually the City Council will adopt a 5 year CIP. Prior to adopting the CIP, the City will hold a public hearing on the proposed CIP. The CIP does not impart spending authority for capital projects, but rather constitutes the primary basis upon which the annual capital budget is formulated.

The Committee of the Whole presents the CIP to the City Council. The Committee of the Whole will review the: department project requests, additions/changes to the CIP, financial assumptions, organizational capacity to complete the requests, and project plans. Projects proposed for the CIP will be reviewed and prioritized by the Committee of the Whole before being forwarded to Council for approval.

- B. **Responsibility:** The City's Finance Department will be responsible for coordinating and producing the annual Capital Improvement Plan. This includes but is not limited to establishing policies, procedures, schedules and deadlines for Capital Improvement Plan formulation, defining roles and responsibilities of CIP participants, obtaining relevant and reliable documentation and information for capital projects, establishing project evaluation criteria and rating systems, developing the CIP document for governing Body approval, and monitoring implementation of capital planning efforts.
- C. **Review:** The Capital Projects will be reviewed by the Capital Improvement Plan Committee to assist the Finance Department prepare, and submit to the Committee of the Whole a Five-Year Capital Improvement Plan by June 1 annually. Additionally, the Committee of the Whole will act on the Capital Improvement Policy by August 1.

The committee will consist of the Community Development Director, Public Service Director, Sun Prairie Utilities Manager, Director of Administrative Services , City Administrator and/or their designated staff . They shall meet to review and prioritize the capital projects in preparation for submission to the Committee of the Whole. The following criteria shall be considered in prioritizing projects:

1. Projects which are required by an existing agreement with another agency.
2. Projects which are essential to public or employee health or safety.
3. Projects that are a Council priority as evidenced by prior approval of the project outside of the Capital Improvement Policy.
4. Projects which have Capital Improvement Budget expenses in future years, with no increase in General Fund operating costs (ex. continuation of a street maintenance program).
5. Projects that follow a Council approved plan such as the Westside Traffic Impact Fee plan.
6. Projects which are grant funded and would have minimal or no operating cost impact on the General Fund.
7. Projects which would result in significant savings in operating costs currently impacting the General Fund.

8. Projects which would make an existing facility more efficient or increase its use with minimal or no operating cost increase.
9. Projects which are grant funded but would require increased operating costs in the General Fund.

D. Document:

- I. In order to evaluate the merits of capital project requests and to allow each project due process in evaluations, capital projects proposed during the annual CIP process shall be accompanied, at a minimum, by the following information:
 - a. Project Title, Physical Description, and Definition of Scope
 - b. Demonstration/Justification of Need
 - c. Project Schedule
 - d. Capital Cost Estimate
 - e. Statement of Impact on the Operating Budget
 - f. Relationship to other Planned Projects
 - g. Project's Department Rank Priority
 - h. Recommended/Anticipated Funding Sources
- II. The operating budget impact and the debt service impact will be incorporated into a forecast report.
- III. Ensure that "abandoned" projects are clearly explained and labeled.

4. Project Financing:

The City recognizes that an effective capital funding strategy requires consideration of a broad mix of funding mechanisms, including but not limited to debt financing, grants, and revenue offsets to reduce the impact on local property taxes. The City will maintain a balanced mix of financing sources without excessive reliance on any one source, and shall consider the following factor in evaluating the suitability of funding options for particular projects:

1. Legality
2. Equity
3. Effectiveness
4. Acceptability
5. Affordability
6. Ease of Administration
7. Efficiency

- A. Debt Financing:** The City will confine long-term borrowing to capital improvements or projects, which cannot be financed from current revenue. Projects financed by issuing bonds will be paid back within a period not to exceed the expected useful life of the projects. Long-term debt will not be used for current operations. The City will set a debt limitation, (please see the City's Debt Management Policy) review it annually, and maintain its debt in compliance with the limitation.
- B. Intergovernmental grants and Private Donations:** The City will seek to leverage such resources whenever available provided those capital projects identified are consistent with capital improvement plans and City priorities, and whose operating impact have been documented in operating budget forecasts.

5. Maintenance and Replacement of Capital Equipment/Facilities

The City will move towards the development of an asset preservation plan to maximize the assets' useful life and minimize future maintenance and replacement costs. An inventory of the City's assets, including their condition will be developed and maintained.

The City will move towards the establishment of a future maintenance/replacement reserve account (segregated by fund and program).

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APPENDIX D – DEBT MANAGEMENT POLICY

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Title: Debt Management Policy	
Policy Source: Committee of the Whole	Creation Date:12/06/2016
Application: Financial Management	Revision Date:
Indexed as: Debt Management Policy	Total Pages: 8

- 1. Statement of Policy.** The City recognizes that the foundation of any well-managed program of capital financing is a comprehensive debt management policy. A debt policy sets forth the parameters for issuing debt and managing outstanding debt and provides guidance to decision makers regarding the timing and purposes for which debt may be issued, types and amounts of permissible debt, method of sale that may be used and structural features that may be incorporated. The debt policy recognizes a binding commitment to full and timely repayment of all debt as an intrinsic requirement for entry into the capital markets. Adherence to the debt policy helps the City to maintain a sound debt position and protect its credit quality. Further advantages of a debt policy are:

 - a. Enhances the quality of decisions by imposing order and discipline.
 - b. Promotes consistency and continuity in decision making.
 - c. Rationalizes the decision-making process.
 - d. Identifies objectives for staff to implement.
 - e. Demonstrates a commitment to long-term financial planning objectives.
 - f. Is regarded positively by the rating services in reviewing credit quality.
- 2. Capital Improvement Planning.** The City will develop and maintain a multi-year Capital Improvement Plan (CIP) for consideration and adoption by the City Council. The CIP will be for the coming five fiscal years and will be updated periodically. The CIP will contain the following information:

 - a. A description of each project.
 - b. A listing of the expected sources of funds for each project.
 - c. Estimated timing for each project.

- d. An analysis of the debt financing required and the conformance of the planned financings with policy targets and the economic and fiscal resources of the City to bear such indebtedness over the next five years.

3. Limitations on Issuance of Debt

a. Legal Limits.

- i. General Obligation (G.O.) Debt Limit. The total principal amount outstanding of debt obligations carrying the G.O. pledge of the City may not exceed an amount equal to five percent of the City's equalized value (including any tax increments) as determined by the Wisconsin Department of Revenue. As identified in the "Affordability Targets" section of this policy, the City has imposed on itself a more restrictive direct debt burden limitation. If the City must issue debt as a result of an emergency situation such as recovery from a natural disaster, these limits will not be considered applicable to that debt.
- ii. Purpose and Authority. Debt obligations may be issued by the City under the authority of, and for the purposes defined in the following Chapters or Sections of the Wisconsin Statutes:
 - 1. Chapter 24 – State Trust Fund Loans
 - 2. Chapter 67 – G.O. Bonds and Notes
 - 3. Section 67.12(1)(a) – Tax and Revenue Anticipation Notes
 - 4. Section 66.0621 – Revenue Obligations
 - 5. Section 66.1335 – Housing and Community Development
 - 6. Section 66.0701 through 66.0733 – Special Assessment B Bonds

b. Public Policy Limits.

- i. Purposes of Debt Issuance. In determining whether a particular project is appropriately financed with debt obligations, the City Council will consider the following public policy objectives:
 - 1. It is the intent of the City to cash fund projects, in whole or in part, as an alternative to debt financing when practical. It is recognized, however, that most major projects will contain some element of debt financing. This also serves to promote taxpayer equity by amortizing the costs of improvements over their useful lives, providing the City the ability to charge those benefiting from the improvements over time.
 - 2. The City may issue debt obligations to purchase capital assets and to fund infrastructure improvements when current revenues or fund balance/retained earnings are unavailable or reserved for other purposes.
 - 3. The City may also issue debt obligations to provide funds for the implementation of economic development projects. These types of projects

will normally be undertaken within a tax incremental district, with debt service repaid from future tax increment collections.

4. The City will not issue long-term debt obligations to provide funds for operating purposes. Issuance of short-term debt obligations to finance operating expenses will only be considered in the event of an extreme financial emergency.

- ii. Use of Derivatives. Derivatives are financial contracts or financial instruments whose value is derived from the value of something else (known as the underlying instrument). The City will, as a general practice, not enter into contracts and financing agreements involving interest rate swaps, floating/fixed rate auction or reset securities or other forms of debt bearing synthetically determined interest rates. The only type of derivative that will be considered for use by the City would be a State and Local Government Series (SLGS) Securities investment offered by the US Treasury or a Guaranteed Investment Contract (GIC) when used in conjunction with an advance refunding of the City's debt. The interest rate earned on time deposit SLGS securities is one basis point below the current estimated Treasury borrowing rate for a security of comparable maturity. Generally the City will always use SLGS for advance refunding escrow accounts but in the event that SLGS are not available from the US Treasury, the City would consider the use of a GIC but only after competitive proposals are taken from at least three vendors for same.

c. Financial Limits.

i. G.O. Debt.

1. Affordability & Debt Profile Targets. To provide for a capital financing program that is sustainable based on the financial resources of the City, and to further maintain a credit profile that will allow the City to maintain or improve its current rating on outstanding debt issues, the following affordability and debt profile targets are established.

- a. Direct Debt Burden. The total direct debt principal outstanding at the end of each budget year will not exceed 1.75% of the City's total equalized value for that year. Direct debt is defined as the total amount of outstanding G.O. and lease revenue debt principal less that portion of the principal that the City expects to abate with revenues of its water, sewer, storm water and electric utilities and further assuming utility user rates are maintained at a level that will generate net revenues in a sum sufficient to abate the payments.
- b. Percentage of Total Tax Levy Allocated for Debt Service. The portion of the City's total tax levy that will be used for payment of General Obligation debt will not exceed 30% of the total levy amount. Recognizing that for budget year 2016 the percent of the total levy used for debt payment was 32.92%, it is acknowledged that the City

may not achieve this target level until 2019 based on current forecasting. Increases in the total tax levy will be allocated almost exclusively to providing increased resources for operations; to the extent feasible, the amount of the total tax Levy used for payment of General Obligation debt will not increase above the 2017 budgeted debt service levy.

c. The City may authorize a capital improvement plan that will cause the City to exceed the Direct Debt Burden limit and/or the ratio of debt levy to operating levy and/or the target amount of the debt service levy. This type of exception must meet the following criteria to exceed the City's debt benchmarks:

- The project involves a major, unfunded and long-term capital need that addresses a significant, on-going and mission-critical operational concern (i.e. new Police Facility).
- The project involves an emergency, unforeseen and compelling opportunity for the community for which no capital project funding could have been contemplated (i.e. land purchase).
- The project involves a key strategic economic development interest that over time will yield continuing positive financial benefits to the City that will exceed project costs (i.e. infrastructure development for prime development).

A forecast of future debt requirements must be provided prior to approval of a capital project that will cause the City to exceed the debt benchmarks defined above. Additionally, the City should develop a plan that will bring the City back into compliance with the City's debt policy.

ii. Revenue Debt. The City may finance the capital needs of its revenue producing enterprise activities through the issuance of revenue-secured debt obligations. Prior to issuing revenue-secured debt obligations, the City will develop financial plans and projections showing the feasibility of the planned financing, required rates and charges needed to support the planned financing, and the impact of the planned financing on ratepayers. The amount of revenue-secured debt obligations will be limited by the feasibility of the overall financing plan, as well as any existing covenants related to debt obligations with a claim to the same revenue source.

iii. Short-Term Debt.

1. Bond or Note Anticipation Note. Where their use is judged to be prudent and advantageous, the City may choose to issue Bond or Note Anticipation Notes as a source of interim construction financing. Prior to their issuance, takeout financing must be planned for and determined to be feasible.

2. Tax and Revenue Anticipation Notes. In the event of an extreme financial emergency, the City may issue Tax or Revenue Anticipation Notes to fund working cash flow needs. Before issuing such notes, cash flow projections will be prepared to ensure that funds will be available for timely repayment of the Notes.
- iv. Conduit Debt. The City may sponsor conduit financings for those activities (i.e., economic development, housing, health facilities, etc.) that have a general public purpose and are consistent with the City Council's overall service and policy objectives. All conduit financings must be non-recourse to the City.

4. Debt Structuring Practices.

- a. Maximum Term. The term of any debt obligations issued by the City should not exceed the economic life of the improvements that they finance. If financially feasible, the term should be shorter than the projected economic life. Whenever possible, the term of obligations issued will be ten years or less. Per this policy, the City may issue twenty year bonds for enterprise fund projects (i.e. storm water, sanitary sewer, water, etc.).
- b. Interest Rates. Debt obligations issued by the City will carry a fixed interest rate. If, in consultation with its Financial Advisor, the City determines that a variable interest rate offers specific advantages, it may choose to issue securities that pay a rate of interest that varies according to a predetermined formula or results from a periodic remarketing of the securities.
- c. Debt Service Structure. Whenever possible, debt will be structured so that annual principal and interest payments are approximately level. If necessary, debt structures may be "wrapped" to accommodate existing debt service payments to allow for the City's affordability targets to be maintained. Notwithstanding the foregoing, the City will attempt to structure debt so that interest payments are due not later than the first fiscal year following issuance, and principal payments not later than the second fiscal year following issuance. The City will avoid "balloon" repayment schedules that consist of low annual principal payments and one large payment due at the end of the term. An exception to the foregoing would be cases where it is anticipated that the City will have funds on hand sufficient to retire the balloon payment (e.g. tax increments, impact fees, land sale proceeds).
- d. Capitalized Interest. The City may elect to capitalize interest for any debt obligation, but depending on timing of issuance, it should first consider budgeting for the estimated interest expense, or appropriating the funds from other available sources. An exception to this policy would be cases where obligations are issued to finance projects within tax increment districts, and current district increment collections are projected to be insufficient to make interest payments. In these cases, the City will normally capitalize interest.
- e. Call Provisions. Call provisions for debt obligations will be made as short as possible consistent with achieving the best interest rates possible for the City. Obligations shall be callable at par.

5. Debt Issuance Practices

- a. Competitive Sale. The City will issue its debt obligations through competitive sale unless it is determined by the City and its Financial Advisor that a competitive sale would not be expected to produce the best results for the City. If the City determines that bids received through a competitive sale are unsatisfactory, or in the event no bids are received, the City may enter into negotiation for sale of the obligations
- b. Negotiated Sale. The City may consider negotiated sales of debt obligations in extraordinary circumstances when the complexity of the issue requires specialized expertise, when the negotiated sale would result in substantial savings in time or money, or when market conditions or City credit are unusually volatile or uncertain. If the City elects to negotiate the sale of a debt obligation, it will utilize a Financial Advisor with no interests in the underwriting of the transaction to represent it.
- c. State and Federal Revolving Loan Funds and Pools. As an alternative to open market financing, the City may elect to seek a loan through State or Federal programs when this will provide advantages to the City with respect to costs, interest rates, or terms. Examples of available loan programs include State Trust Fund Loans, Clean Water Fund Program Loans, Safe Drinking Water Fund Program Loans, and USDA Rural Development Loans.
- d. Refunding.
 - i. Advance Refunding. Federal tax law allows debt obligations to be refinanced one time prior to the obligation's earliest pre-payment date (call date). The City may issue such advance refunding bonds when legally permissible, and when net present value savings, expressed as a percentage of the par amount of the refunding bonds, equal or exceed a target of two percent.
 - ii. Current Refunding. Current refunding bonds may be issued to refinance existing debt obligations no earlier than sixty days prior to the obligation's earliest pre-payment date (call date). There is presently no limit to the number of times that an issue may be current refunded. The City may issue current refunding bonds when legally permissible, and whenever doing so is expected to result in a net economic benefit to the City.
 - iii. Restructuring of Debt. Independent of potential savings, the City may choose to refund debt obligations when necessary to provide for an alternative debt structure. Refunding may also be undertaken as a means to replace and modernize bond covenants essential to management and operations.
- e. Credit Rating.
 - i. Rating Service Relationships. The Director of Administrative Services is responsible for maintaining relationships with any rating service that currently assign ratings to the City's debt obligations. This effort shall include providing periodic updates on the City's general financial condition along with coordinating meetings and presentations

in conjunction with a new debt issuance. The City's Financial Advisor will assist in this effort.

- ii. Use of Rating Services. The Director of Administrative Services, in consultation with the City's Financial Advisor, is responsible for determining whether or not a rating shall be requested on a particular financing, and which rating service(s) will be asked to provide a rating.
- iii. Minimum Long-Term Rating Requirements. The City's minimum rating requirement for its long-term G.O. debt is "A" or higher. If a debt obligation cannot meet this requirement based on its underlying credit strength, then credit enhancement may be sought to achieve the minimum rating. If credit enhancement is unavailable or is determined by the Director of Administrative Services and the City's Financial Advisor to be uneconomical, the obligations may be issued without a rating.

6. Debt Management Practices

- a. Continuing Disclosure. The City is committed to continuing disclosure of financial and credit information relevant to its outstanding debt obligations and will abide by the provisions of Securities and Exchange Commission (SEC) Rule 15c2-12 concerning primary and secondary market disclosure. The City Clerk is responsible for providing ongoing disclosure information and may be assisted by the City's Financial Advisor in the execution of this task.
- b. Investment of Debt Proceeds. The City will temporarily invest the proceeds of debt obligations in accordance with its investment policy. Interest earnings realized within construction accounts will be applied first towards payment of project costs, then for payment of debt service associated with the obligations.
- c. Arbitrage Rebate and Monitoring. The Director of Administrative Services will establish and maintain a system of record keeping and reporting to meet arbitrage rebate compliance requirements of the federal tax code. This effort will include tracking investment earnings on proceeds of debt obligations, calculating rebate payments in compliance with tax law, and remitting any rebatable earnings to the federal government in a timely manner in order to preserve the tax-exempt status of the City's outstanding debt obligations. Additionally, general financial reporting and certification requirements embodied in bond covenants shall be monitored to ensure that all covenants are complied with. The City's Financial Advisor may assist in the execution of these tasks.

- 7. **Review.** It is the intent of the City Council that this Debt Management Policy be reviewed periodically and revised as necessary.

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APPENDIX E – DEBT SCHEDULES

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Capital Improvement Plan Debt Issue Summary (Base CIP)



	2019		2020		2021		2022	2023		2024
	Series 2019C G.O. Bonds	Series 2019D G.O. Notes	Series 2020A G.O. Notes	2020 CWFL	Series 2021A G.O. Bonds	Series 2021B G.O. Notes	Series 2022A G.O. Notes	Series 2023A G.O. Bonds	Series 2023B G.O. Notes	Series 2024A G.O. Notes
Capital Projects										
Streets & Related Improvements ¹		7,456,343	5,105,180		892,692	4,663,899	4,993,020	708,000	4,776,064	4,644,192
Vehicles		800,118	108,300		0	610,000	1,201,000	0	800,000	0
Park Improvements		130,000	151,250		0	86,700	198,500	0	177,750	106,200
Facilities			6,000		0	0	0	0	0	0
Westside Community Bldg. Imp.	3,879,850	1,149,049	0		0	0	0	0	0	0
Other Facilities			839,230		0	610,600	260,000	0	200,000	100,000
Sanitary Sewer Improvements ²	1,496,457		0	16,500,000	1,018,000	0	0	1,484,000	0	0
Stormwater Improvements ²	5,564,342		0	0	1,300,000	0	0	0	0	0
Other Equipment		40,320	0	0	0	0	0	0	0	0
Subtotal Capital Projects	10,940,649	9,575,830	6,209,960	16,500,000	3,210,692	5,971,199	6,652,520	2,192,000	5,953,814	4,850,392
Estimated Cost of Issuance	79,995	67,205	69,150	0	43,720	63,980	75,750	41,330	70,370	70,050
Underwriting Discount Allowance³	138,938	97,050	63,050	0	41,000	60,600	67,550	28,125	60,500	49,400
Total Financing Required	11,159,581	9,740,085	6,342,160	16,500,000	3,295,412	6,095,779	6,795,820	2,261,455	6,084,684	4,969,842
Estimated Interest Earnings ⁴	(45,039)	(39,421)	(38,657)	0	(19,987)	(37,171)	(41,412)	(13,645)	(37,062)	(30,194)
Rounding	458	4,335	1,497	0	4,575	1,392	592	2,191	2,378	352
NET ISSUE SIZE	11,115,000	9,705,000	6,305,000	16,500,000	3,280,000	6,060,000	6,755,000	2,250,000	6,050,000	4,940,000
BANK QUALIFICATION ANALYSIS										
TAX EXEMPT G.O. NOTES		2019	2020		2021		2022	2023		2022
TAX EXEMPT G.O. BONDS		11,115,000	6,305,000		6,060,000		6,755,000	6,050,000		4,940,000
UTILITY REVENUE BONDS (SEWER)		12,260,000			3,280,000		0	2,250,000		0
TOTAL		23,375,000	22,805,000	NO	9,340,000	0	6,755,000	8,300,000	0	4,940,000
BANK QUALIFIED							YES		YES	YES

NOTES:

¹Includes Street Reconstruction, Street Pavement Rehabilitation, Westside Traffic Improvement Plan and Multi Modal Improvements.

²Includes associated costs for Street Reconstruction, Street Pavement Rehabilitation and Westside Traffic Improvement Plan.

³Discount allowance of 1.0% for G.O. Notes and 1.25% for G.O. Bonds

⁴Assumes 2.49% interest earnings for three months on temporary investment of funds. (April 2019 LGIP yield).

For Discussion Only



Projected Debt Service Impact of Proposed 2019 - 2024 CIP (Base CIP)



Estimated Future Issue Debt Service and Levy Impact ³														
Year	Existing Debt Only				Projected Abatement Sources									
	Equalized Value Projection (TID OUT) ¹	Annual P&I Payment	Less Abatement Sources ²	Net Debt Service Levy	Projected Tax Rate for Debt Service	Series 2019C Bonds	Series 2019D Notes	Series 2020A Notes	Series 2021A Bonds	Series 2021B Notes	Series 2022A Notes	Series 2023B Notes	Series 2024A Notes	Net Debt Service Levy
2019	3,132,843,000	10,031,996	(3,582,107)	6,449,889	2.06	757,963	520,390							6,449,889
2020	3,268,557,905	10,042,190	(4,163,678)	5,878,512	1.80	757,963	1,171,520							6,575,738
2021	3,366,854,217	8,943,252	(4,181,234)	4,762,017	1.41	757,478	1,166,443	855,049	217,177	490,988				6,858,462
2022	3,411,700,872	9,120,867	(4,343,100)	4,777,767	1.40	763,219	1,170,455	695,013	217,177	490,988				6,713,169
2023	3,457,144,886	8,166,414	(4,125,619)	4,040,795	1.17	763,219	1,170,455	692,420	216,644	716,466				6,713,169
2024	3,503,194,217	8,184,023	(4,280,181)	3,903,842	1.11	758,050	1,168,485	694,406	213,472	722,191				7,408,757
2025	3,549,856,927	6,489,989	(3,799,539)	2,690,450	0.76	757,360	1,175,190	695,909	215,205	717,400				7,111,035
2026	3,597,141,187	6,095,329	(3,699,712)	2,395,617	0.67	756,083	1,170,543	691,917	216,781	717,148				7,071,000
2027	3,645,055,275	5,347,728	(3,449,849)	1,897,879	0.52	758,886	1,169,556	692,325	218,182	721,238				6,727,583
2028	3,693,607,581	3,502,051	(2,181,751)	1,320,300	0.36	760,298	1,176,453	697,004	219,384	719,563				5,702,936
2029	3,742,806,606	2,118,495	(2,173,682)	(55,187)	(0.01)	760,390	1,170,881	695,870	215,446	717,171				4,324,472
2030	3,792,660,964	2,051,054	(2,107,866)	(56,812)	(0.01)	759,245		698,798	216,351	718,909				3,239,283
2031	3,843,179,385	2,053,874	(2,112,360)	(58,487)	(0.02)	756,959			217,043	719,763				3,262,265
2032	3,894,370,713	2,054,305	(2,114,516)	(60,211)	(0.02)	753,635			212,611					1,998,233
2033	3,946,243,913	1,732,660	(1,794,648)	(61,988)	(0.02)	759,228			222,902					1,389,365
2034	3,998,808,065	1,728,633	(1,792,450)	(63,817)	(0.02)	758,776			217,976					772,678
2035	4,052,072,375	1,727,318	(1,793,019)	(65,702)	(0.02)	762,095			213,015					204,041
2036	4,106,046,168	1,728,674	(1,796,317)	(67,643)	(0.02)	754,245			217,812					199,020
2037	4,160,738,894	1,141,788	(1,211,430)	(69,642)	(0.02)	755,360			217,365					198,559
2038	4,216,160,130	488,700	(560,401)	(71,701)	(0.02)	760,153			221,670					197,561
2039	4,272,319,579		(73,822)	(73,822)	(0.02)	758,596			215,750					196,014
2040	4,329,227,075		(76,007)	(76,007)	0.00				214,675					0
2041	4,386,892,581		(78,257)	(78,257)	0.00				218,290					0
2042	4,445,326,195		(80,575)	(80,575)	0.00									0
2043	4,504,538,147		(82,962)	(82,962)	0.00									0
2044	4,564,538,805		(85,421)	(85,421)	0.00									0
TOTALS	92,749,336		(55,740,504)	37,412,055		15,165,659	11,059,915	7,108,709	4,337,747	6,960,835	7,802,864	5,794,282	(2,527,621)	83,320,121

NOTES

¹Valuation shown for purposes of determining 2019 budget year equalized tax rate is actual.

²Total of projected revenues expected to be available to abate portion of the City's debt levy. Includes allocations to Tax Incremental Finance Districts, Sewer and Stormwater utilities, Sun Prairie Utilities, and Fleet Inservice Fund.

³Estimated rates are 5-30-2019 MMD AA scale adjusted as follows: 2020 issue +0.75%; 2021 issue +1.00%; 2022 issue +1.25%; and 2023 and 2024 issues +1.50%. Additional adjustment made in years where issuance would be bank qualified.

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Current and Projected Debt Limit Calculations (Base CIP)



Year	PROJECTED EV (TID IN)	DEBT LIMIT @ 5%	EXIST DEBT PRIN OUTS	% OF LIMIT	2019C BONDS	2019D NOTES	2020A NOTES	2021A BONDS	2021A NOTES	2022A NOTES	2023A BONDS	2023B NOTES	2024A NOTES	COMB EXIST & NEW PRIN	% OF LIMIT	RESIDUAL CAPACITY	DIRECT DEBT BURDEN ²	ASSESSMENT	Year
2019	3,310,111,700	165,505,585	69,390,827	41.93%	11,115,000	9,705,000								90,210,827	54.51%	75,294,758	2.09%	Moderate	2019
2020	3,573,988,537	178,699,427	61,383,441	34.35%	10,750,000	9,455,000	6,305,000	3,280,000	6,060,000					87,893,441	49.19%	90,805,986	1.87%	Moderate	2020
2021	3,633,395,594	181,669,780	54,272,741	29.87%	10,310,000	8,495,000	5,625,000	3,175,000	5,760,000	6,755,000				88,042,741	48.46%	93,627,039	1.79%	Moderate	2021
2022	3,693,790,119	184,689,506	46,773,691	25.33%	9,860,000	7,520,000	5,055,000	3,045,000	5,185,000					84,898,691	45.97%	99,790,815	1.68%	Strong	2022
2023	3,755,188,525	187,759,426	40,016,175	21.31%	9,395,000	6,520,000	4,475,000	2,915,000	4,590,000	5,450,000	2,250,000	6,050,000		82,981,175	44.20%	104,778,261	1.54%	Strong	2023
2024	3,817,607,499	190,880,375	33,035,114	17.31%	8,925,000	5,500,000	3,880,000	2,780,000	3,985,000	4,835,000	2,100,000	5,565,000	4,940,000	76,985,114	40.33%	113,895,261	1.37%	Strong	2024
2025	3,881,064,006	194,053,200	27,556,298	14.20%	8,445,000	4,450,000	3,270,000	2,640,000	3,665,000	4,205,000	1,830,000	5,015,000	4,540,000	66,976,298	34.51%	127,076,903	1.13%	Strong	2025
2026	3,945,575,290	197,278,764	22,297,638	11.30%	7,955,000	3,380,000	2,650,000	2,495,000	3,725,000	3,555,000	1,925,000	4,455,000	4,095,000	57,057,638	28.92%	140,221,127	0.90%	Strong	2026
2027	4,011,158,885	200,557,944	17,620,000	8.79%	7,450,000	2,285,000	2,015,000	2,345,000	2,070,000	2,885,000	1,735,000	3,280,000	3,160,000	47,580,000	23.72%	152,977,944	0.68%	Very Strong	2027
2028	4,077,832,614	203,891,631	14,655,000	7.19%	6,930,000	1,155,000	1,360,000	2,195,000	1,400,000	2,195,000	1,735,000	2,665,000	2,675,000	39,670,000	19.46%	164,221,631	0.52%	Very Strong	2028
2029	4,145,614,598	207,280,730	12,985,000	6.26%	6,395,000	0	690,000	2,040,000	710,000	1,485,000	1,535,000	2,030,000	2,175,000	32,935,000	15.89%	173,345,730	0.38%	Very Strong	2029
2030	4,214,523,259	210,726,163	11,330,000	5.38%	5,845,000	0	0	1,880,000	0	755,000	1,535,000	1,375,000	1,660,000	22,105,000	10.32%	183,476,163	0.28%	Very Strong	2030
2031	4,284,577,323	214,228,866	9,620,000	4.49%	5,280,000	0	0	1,720,000	0	0	1,425,000	700,000	1,125,000	17,525,000	8.05%	192,123,866	0.20%	Very Strong	2031
2032	4,355,795,931	217,789,792	7,855,000	3.61%	4,700,000	0	0	1,545,000	0	0	1,315,000	0	575,000	13,890,000	6.27%	200,264,792	0.13%	Very Strong	2032
2033	4,428,198,137	221,409,907	6,360,000	2.87%	4,095,000	0	0	1,370,000	0	0	1,205,000	0	0	10,865,000	4.83%	207,519,907	0.09%	Very Strong	2033
2034	4,501,803,918	225,090,196	4,820,000	2.14%	3,470,000	0	0	1,195,000	0	0	1,090,000	0	0	8,335,000	3.64%	214,225,196	0.06%	Very Strong	2034
2035	4,576,633,179	228,831,659	3,230,000	1.41%	2,820,000	0	0	1,010,000	0	0	970,000	0	0	5,720,000	2.46%	220,496,659	0.05%	Very Strong	2035
2036	4,652,706,257	232,635,313	1,585,000	0.68%	2,155,000	0	0	820,000	0	0	845,000	0	0	3,610,000	1.53%	226,915,313	0.03%	Very Strong	2036
2037	4,730,043,826	236,502,191	480,000	0.20%	1,465,000	0	0	620,000	0	0	715,000	0	0	2,080,000	0.87%	232,892,191	0.02%	Very Strong	2037
2038	4,808,666,905	240,433,345	(0)	0.00%	745,000	0	0	420,000	0	0	585,000	0	0	1,005,000	0.41%	238,353,345	0.01%	Very Strong	2038
2039	4,888,596,862	244,429,843		0.00%	0	0	0	215,000	0	0	445,000	0	0	660,000	0.27%	243,424,843	0.00%	Very Strong	2039
2040	4,969,855,419	248,492,771		0.00%	0	0	0	0	0	0	300,000	0	0	300,000	0.12%	247,832,771	0.00%	Very Strong	2040
2041	5,052,464,661	252,623,233		0.00%	0	0	0	0	0	0	155,000	0	0	155,000	0.06%	252,323,233	0.00%	Very Strong	2041
2042	5,136,447,039	256,822,352		0.00%	0	0	0	0	0	0	0	0	0	0	0.00%	256,667,352	0.00%	Very Strong	2042
2043	5,221,825,378	261,091,269		0.00%	0	0	0	0	0	0	0	0	0	0	0.00%	261,091,269	0.00%	Very Strong	2043

NOTES:

¹Direct debt burden metric includes CDA Lease Revenue Bond debt principal and excludes G.O. debt principal allocated to essential purpose utilities (sewer, sanitary sewer, water & light) provided utility net revenues are sum sufficient to make all debt payments.

For Discussion Only

Capital Improvement Plan Debt Issue Summary (Base CIP Plus Library)

	2019			2020			2021			2022			2023			2024
Capital Projects	Series 2019C G.O. Bonds	Series 2019D G.O. Notes		Series 2020A G.O. Notes	2020 CWFL		Series 2021A G.O. Bonds	Series 2021B G.O. Notes		Series 2022A G.O. Notes	Series 2022B G.O. Bonds		Series 2023A G.O. Bonds	Series 2023B G.O. Notes	2023 STFL	Series 2024A G.O. Notes
Streets & Related Improvements ¹		7,456,343		5,105,180			892,692	4,663,899		4,993,020	0		708,000	4,776,064		4,644,192
Vehicles		800,118		108,300			0	610,000		1,201,000	0		0	800,000		0
Park Improvements		130,000		151,250			0	86,700		198,500	0		0	177,750		106,200
Facilities				6,000			0	0		0	0		0	0		0
Westside Community Bldg. Imp.	3,879,850			0			0	0		0	0		0	0		0
Library Expansion				1,350,000			0	0		0	16,500,000		0	0	3,000,000	0
Other Facilities		1,149,049		839,230			0	610,600		260,000	0		0	200,000		100,000
Sanitary Sewer Improvements ²	1,496,457			0	16,500,000		1,018,000	0		0	0		1,484,000	0		0
Stormwater Improvements ²	5,564,342			0			1,300,000	0		0	0		0	0		0
Other Equipment		40,320		0			0	0		0	0		0	0		0
Subtotal Capital Projects	10,940,649	9,575,830		7,559,960	16,500,000		3,210,692	5,971,199		6,652,520	16,500,000		2,192,000	5,953,814	3,000,000	4,850,392
Estimated Cost of Issuance	79,995	67,205		72,750	0		43,720	63,980		65,019	102,981		41,330	70,370	0	70,050
Underwriting Discount Allowance ³	138,938	97,050		76,650	0		41,000	60,600		67,450	166,700		28,125	60,500	0	49,400
Total Financing Required	11,159,581	9,740,085		7,709,360	16,500,000		3,295,412	6,095,779		6,784,989	16,769,681		2,261,455	6,084,684	3,000,000	4,969,842
Estimated Interest Earnings ⁴	(45,039)	(39,421)		(47,061)	0		(19,987)	(37,171)		(41,412)	(102,713)		(13,645)	(37,062)	0	(30,194)
Rounding	458	4,335		2,701	0		4,575	1,392		1,422	3,032		2,191	2,378	0	352
NET ISSUE SIZE	11,115,000	9,705,000		7,665,000	16,500,000		3,280,000	6,060,000		6,745,000	16,670,000		2,250,000	6,050,000	3,000,000	4,940,000
BANK QUALIFICATION ANALYSIS																
TAX EXEMPT G.O. NOTES		2019		2020			2021			2022			2023			2022
TAX EXEMPT G.O. BONDS		11,115,000		7,665,000			6,060,000			6,745,000			6,050,000			4,940,000
UTILITY REVENUE BONDS (SEWER)		12,260,000		16,500,000			3,280,000			16,670,000			2,250,000			0
TOTAL		23,375,000		24,165,000			9,340,000			23,415,000			8,300,000			4,940,000
BANK QUALIFIED		NO		NO			YES			NO			YES			YES

NOTES:

- ¹Includes Street Reconstruction, Street Pavement Rehabilitation, Westside Traffic Improvement Plan and Multi Modal Improvements.
- ²Includes associated costs for Street Reconstruction, Street Pavement Rehabilitation and Westside Traffic Improvement Plan.
- ³Discount allowance of 1.0% for G.O. Notes and 1.25% for G.O. Bonds
- ⁴Assumes 2.49% interest earnings for three months on temporary investment of funds. (April 2019 LGIP yield).

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NOTES:

¹Includes Street Reconstruction, Street Pavement Rehabilitation, Westside Traffic Improvement Plan and Multi Modal Improvements.²Includes associated costs for Street Reconstruction, Street Pavement Rehabilitation and Westside Traffic Improvement Plan.³Discount allowance of 1.0% for G.O. Notes and 1.25% for G.O. Bonds⁴Assumes 2.49% interest earnings for three months on temporary investment of funds. (April 2019 LGIP yield).

For Discussion Only



Projected Debt Service Impact of Proposed 2019 - 2024 CIP (Base CIP Plus Library)



Estimated Future Issue Debt Service and Levy Impact ¹																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Year	Existing Debt Only					Series 2019A Bonds												Series 2019D Notes		Series 2020A Notes					Series 2021A Bonds		Series 2021B Notes		Series 2022A Bonds		Series 2022B Bonds		Series 2023A Bonds		Series 2023B Notes		Series 2024A Notes		Projected Abatement Sources		Net Debt Service Levy	Projected Tax Rate for Debt Service	Year																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Equalized Value Projection (TID OUT) ¹	Annual P&I Payment	Less Abatement Sources ²	Net Debt Service Levy	Projected Tax Rate for Debt Service	Bonds	Notes	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes				Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes	Bonds	Notes

NOTES
¹Valuation shown for purposes of determining 2019 budget year equalized tax rate is actual.
²Total of projected revenues expected to be available to abate portion of the City's debt levy, includes allocations to Tax Incremental Finance Districts, Sewer and Stormwater utilities, Sun Prairie Utilities, and Fleet Inservice Fund.
³Estimated rates are 5-30-2019 MMD AA scale adjusted as follows: 2020 issue +0.25%; 2021 issue +0.75%; 2022 issue +1.25%; and 2023 and 2024 issues +1.50%. Additional adjustment made in years where issuance would be bank qualified.

For Discussion Only



Current and Projected Debt Limit Calculations (Base CIP Plus Library)



Year	PROJECTED EV (TID IN)	DEBT LIMIT @ 5%	EXIST DEBT PRIN OUTS	% OF LIMIT	2019C BONDS	2019D NOTES	2020A NOTES	2020A BONDS	2021A NOTES	2021A BONDS	2022A NOTES	2022A BONDS	2023A BONDS	2023B NOTES	2023 STFL	2024A NOTES	COMB EXIST & NEW PRIN	% OF LIMIT	RESIDUAL CAPACITY	DIRECT DEBT BURDEN ²	ASSESSMENT	Year
2019	3,310,111,700	165,505,585	69,390,827	41.93%	11,115,000	9,705,000											902,10,827	54.51%	75,294,758	2.09%	Moderate	2019
2020	3,573,988,537	178,699,427	61,383,441	34.35%	10,750,000	9,455,000	7,665,000										89,253,441	49.95%	89,445,986	1.91%	Moderate	2020
2021	3,693,395,594	181,669,780	54,272,741	29.87%	10,310,000	8,495,000	7,010,000										89,427,741	49.23%	92,242,039	1.82%	Moderate	2021
2022	3,693,790,119	184,689,506	46,773,691	25.33%	9,860,000	7,520,000	6,300,000										102,598,691	55.55%	82,090,815	2.16%	Moderate	2022
2023	3,755,188,525	187,759,426	40,016,175	21.31%	9,395,000	6,520,000	5,575,000										103,216,175	54.97%	84,543,251	2.08%	Moderate	2023
2024	3,817,607,499	190,880,375	33,035,114	17.31%	8,925,000	5,500,000	4,835,000										95,741,975	50.16%	95,138,400	1.86%	Moderate	2024
2025	3,881,064,006	194,053,200	27,556,298	14.20%	8,445,000	4,450,000	4,075,000										84,198,199	43.39%	109,855,002	1.57%	Strong	2025
2026	3,945,575,290	197,278,764	22,297,638	11.30%	7,955,000	3,380,000	3,300,000										72,181,256	36.84%	124,597,509	1.29%	Strong	2026
2027	4,011,158,885	200,557,944	17,620,000	8.79%	7,450,000	2,285,000	2,510,000										61,555,000	30.69%	139,002,944	1.03%	Strong	2027
2028	4,077,832,614	203,891,631	14,655,000	7.19%	6,930,000	1,155,000	1,695,000										52,780,000	25.89%	151,111,631	0.84%	Strong	2028
2029	4,145,614,598	207,280,730	12,985,000	6.26%	6,395,000	0	860,000										45,155,000	21.78%	162,125,730	0.68%	Very Strong	2029
2030	4,214,523,259	210,726,163	11,330,000	5.38%	5,845,000	0	0										38,545,000	18.29%	172,181,163	0.55%	Very Strong	2030
2031	4,284,577,323	214,228,866	9,620,000	4.49%	5,280,000	0	0										32,625,000	15.23%	181,603,866	0.44%	Very Strong	2031
2032	4,355,795,831	217,789,792	7,855,000	3.61%	4,700,000	0	0										27,225,000	12.50%	190,564,792	0.35%	Very Strong	2032
2033	4,428,198,137	221,409,907	6,360,000	2.87%	4,095,000	0	0										22,760,000	10.28%	198,649,907	0.29%	Very Strong	2033
2034	4,501,803,918	225,090,196	4,820,000	2.14%	3,470,000	0	0										18,880,000	8.39%	206,210,196	0.24%	Very Strong	2034
2035	4,576,633,179	228,831,659	3,230,000	1.41%	2,820,000	0	0										15,465,000	6.76%	213,366,659	0.20%	Very Strong	2035
2036	4,652,706,257	232,635,313	1,585,000	0.68%	2,155,000	0	0										11,935,000	5.13%	220,700,313	0.16%	Very Strong	2036
2037	4,730,043,826	236,502,191	480,000	0.20%	1,465,000	0	0										8,875,000	3.75%	227,627,191	0.13%	Very Strong	2037
2038	4,808,666,905	240,433,345	0	0.00%	745,000	0	0										6,365,000	2.65%	234,068,345	0.10%	Very Strong	2038
2039	4,888,596,862	244,429,843	0	0.00%	0	0	0										4,275,000	1.75%	240,154,843	0.07%	Very Strong	2039
2040	4,969,855,419	248,492,771	0	0.00%	0	0	0										2,880,000	1.16%	245,612,771	0.05%	Very Strong	2040
2041	5,052,464,661	252,623,233	0	0.00%	0	0	0										1,430,000	0.57%	251,193,233	0.02%	Very Strong	2041
2042	5,136,447,039	256,822,352	0	0.00%	0	0	0										155,000	0.06%	256,667,352	0.00%	Very Strong	2042
2043	5,221,825,378	261,091,269	0	0.00%	0	0	0										0	0.00%	261,091,269	0.00%	Very Strong	2043

NOTES:

¹Direct debt burden metric includes CDA Lease Revenue Bond debt principal and excludes G.O. debt principal allocated to essential purpose utilities (sewer, sanitary sewer, water & light) provided utility net revenues are sum sufficient to make all debt payments.

For Discussion Only

Projected Debt Levy			
Year	Base	w/Library	Difference
2019	\$ 6,449,889	\$ 6,449,889	\$ -
2020	\$ 6,575,738	\$ 6,575,738	\$ -
2021	\$ 6,858,462	\$ 6,873,443	\$ 14,981
2022	\$ 7,136,169	\$ 7,509,062	\$ 372,893
2023	\$ 7,408,757	\$ 8,553,001	\$ 1,144,245
2024	\$ 7,711,035	\$ 9,026,956	\$ 1,315,922
2025	\$ 7,071,000	\$ 8,386,148	\$ 1,315,148
2026	\$ 6,767,062	\$ 8,085,639	\$ 1,318,577
2027	\$ 6,277,583	\$ 7,583,875	\$ 1,306,293
2028	\$ 5,702,936	\$ 7,011,149	\$ 1,308,213
2029	\$ 4,324,472	\$ 5,633,475	\$ 1,309,004
2030	\$ 3,239,283	\$ 4,557,760	\$ 1,318,477
2031	\$ 2,642,265	\$ 3,786,072	\$ 1,143,807
2032	\$ 1,998,233	\$ 3,167,927	\$ 1,169,695
2033	\$ 1,389,365	\$ 2,538,453	\$ 1,149,088
2034	\$ 772,678	\$ 1,919,926	\$ 1,147,248
2035	\$ 204,041	\$ 1,352,878	\$ 1,148,838
2036	\$ 199,020	\$ 1,347,837	\$ 1,148,817
2037	\$ 198,559	\$ 1,350,761	\$ 1,152,202
2038	\$ 197,561	\$ 1,346,661	\$ 1,149,100
2039	\$ 196,014	\$ 1,345,497	\$ 1,149,483
2040	\$ -	\$ 1,072,231	\$ 1,072,231
2041	\$ -	\$ 1,071,992	\$ 1,071,992
2042	\$ -	\$ 1,069,821	\$ 1,069,821
2043	\$ -	\$ -	\$ -
Total	83,320,121	107,616,192	24,296,071

Projected Debt Tax Rate (Equalized)		
Base	w/Library	Difference
2.06	2.06	0.00
2.01	2.01	0.00
2.04	2.04	0.00
2.09	2.20	0.11
2.14	2.47	0.33
2.20	2.58	0.38
1.99	2.36	0.37
1.88	2.25	0.37
1.72	2.08	0.36
1.54	1.90	0.35
1.16	1.51	0.35
0.85	1.20	0.35
0.69	0.99	0.30
0.51	0.81	0.30
0.35	0.64	0.29
0.19	0.48	0.29
0.05	0.33	0.28
0.05	0.33	0.28
0.05	0.32	0.28
0.05	0.32	0.27
0.05	0.31	0.27
0.00	0.25	0.25
0.00	0.24	0.24
0.00	0.24	0.24
0.00	0.00	0.00

Projected Debt Tax Rate (Equalized)					Year
Base		w/Library		Difference	
2.09%	Moderate	2.09%	Moderate	0.00%	2019
1.87%	Moderate	1.91%	Moderate	0.04%	2020
1.79%	Moderate	1.82%	Moderate	0.04%	2021
1.68%	Strong	2.16%	Moderate	0.48%	2022
1.54%	Strong	2.08%	Moderate	0.54%	2023
1.37%	Strong	1.86%	Moderate	0.49%	2024
1.13%	Strong	1.57%	Strong	0.44%	2025
0.90%	Strong	1.29%	Strong	0.40%	2026
0.68%	Very Strong	1.03%	Strong	0.35%	2027
0.52%	Very Strong	0.84%	Strong	0.32%	2028
0.38%	Very Strong	0.68%	Very Strong	0.29%	2029
0.28%	Very Strong	0.55%	Very Strong	0.27%	2030
0.20%	Very Strong	0.44%	Very Strong	0.25%	2031
0.13%	Very Strong	0.35%	Very Strong	0.22%	2032
0.09%	Very Strong	0.29%	Very Strong	0.20%	2033
0.06%	Very Strong	0.24%	Very Strong	0.18%	2034
0.05%	Very Strong	0.20%	Very Strong	0.16%	2035
0.03%	Very Strong	0.16%	Very Strong	0.13%	2036
0.02%	Very Strong	0.13%	Very Strong	0.11%	2037
0.01%	Very Strong	0.10%	Very Strong	0.09%	2038
0.00%	Very Strong	0.07%	Very Strong	0.07%	2039
0.00%	Very Strong	0.05%	Very Strong	0.04%	2040
0.00%	Very Strong	0.02%	Very Strong	0.02%	2041
0.00%	Very Strong	0.00%	Very Strong	0.00%	2042
0.00%	Very Strong	0.00%	Very Strong	0.00%	2043
Total					Total

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APPENDIX F – WPCF EQUIPMENT REPLACEMENT PLAN

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**CITY OF SUN PRAIRIE
WATER POLLUTION CONTROL FACILITY
EQUIPMENT 2020 REPLACEMENT FUND**

Item	Year Installed	Actual Equipment Costs	Est. Service Life	Annual Replacement Cost
EPA REPLACEMENT				
Collection System:				
Lift Stations:				
Park Circle	2017	\$ 120,000	25	\$ 4,800
Columbus Street (Installed in 1978;Upgraded in 2020)	2020	80,000	25	\$ 3,200
Business Park	1993	30,000	30	\$ 1,000
Shonas	1995	70,000	30	\$ 2,330
Hickory Grove	1996	80,000	25	\$ 3,200
Patrick Marsh	1998	70,000	30	\$ 2,330
Wyndham	1998	80,000	25	\$ 3,200
Meadows	1999	90,000	25	\$ 3,600
Wilburn	2001	90,000	25	\$ 3,600
Uplands (Removed in 2016)	2003	-	0	\$ -
Creek View	2006	100,000	25	\$ 4,000
Telemetry system	2012	32,900	20	\$ 1,650
Total Lift Stations		842,900		32,910
Treatment and Disposal Plant				
Structures and Improvements:				
Waukesha Generator	1982	150,000	35	4,290
Cummins Generator w/controls	2006	344,000	20	17,200
HVAC Adm and Service Garage	2006	103,000	20	5,150
Cutler Hammer Capacitor Bank	2006	8,500	20	430
Motor Control Center-Adm and Service Garage	2006	68,050	20	3,400
Fire Alarms and Paging System	2006	31,600	15	2,110
Water Softener System - Service Garage	2006	12,000	15	800
Air compressor - Service Garage	2006	6,000	15	400
Total Structures and Improvements		723,150		33,780
Preliminary Treatment Equipment:				
Fiber Glass Storage Tank with Piping	2003	6,100	20	310
Chemical Feed Pumps w/Piping and Controls(2)	2003	9,300	20	470
Polymer Feed System w/Piping and Controls(2)	2003	9,400	20	470
Heating/Venting System w/Controls	2003	65,900	20	3,300
Vulcan Step Screen & Booster Pumps w/Controls	2003	107,100	20	5,360
RWW Pump No. 4(includes motor)	2001	65,000	20	3,250
RWW Pump No. 2(includes motor)	2006	73,600	20	3,680
RWW Pump No.1 and No. 3(includes motors)	2006	100,000	20	5,000
Variable frequency drive and harmonic filter(4)	2006	60,000	15	4,000
Grit pumps(2)	2006	35,100	15	2,340
Grit process controls and PLC's	2006	15,000	20	750
Grit separator basin/chamber	2006	34,000	20	1,700
Grit washer	2006	82,900	20	4,150
HVAC Influent Building	2006	6,000	20	300
HVAC Grit Building	2006	37,900	20	1,900
Motor Control Center - Influent Building	2006	17,800	20	890
Motor Control Center - Grit Building	2006	18,300	20	920
Motor Control Center - P/Screen Building	2003	18,300	20	920
Wet Well Controls and Influent PLC's	2006	5,000	15	330
Total Preliminary Treatment Equipment		766,700		40,040

CITY OF SUN PRAIRIE
WATER POLLUTION CONTROL FACILITY
EQUIPMENT 2020 REPLACEMENT FUND

Item	Year Installed	Actual Equipment Costs	Est. Service Life	Annual Replacement Cost
Primary Treatment Equipment:				
Primary collectors	1982	87,500	39	2,240
Primary sludge pumps(2)	2017	62,000	25	2,480
Shafts and bearings	2006	17,200	15	1,150
Total Primary Treatment Equipment		166,700		5,870
Secondary Treatment Equipment:				
Anoxic Tank Floating Mixers(6)	2006	47,000	15	3,130
Anoxic Tank Recirculation Pump(2)	2006	30,000	15	2,000
Anoxic Tank Fine Bubble Aeration System	2006	26,100	20	1,310
Aeration Tank Fine Bubble Aeration System	2006	182,000	20	9,100
Aeration Tank Coarse Bubble Aeration System	2006	48,500	20	2,430
Clarifier Equipment(2)	2006	290,900	20	14,550
Clarifier Current Density Baffles(2)	2006	35,600	15	2,370
Secondary Clarifier Drain Pump	2006	10,200	15	680
RAS pumps(3)	2006	54,000	15	3,600
WAS pumps(2)	2006	23,200	15	1,550
Scum pumps(2)	2006	36,800	15	2,450
Aeration blowers(4)	2006	299,000	15	19,930
Channel aeration blowers(3)	2006	67,100	15	4,470
Screw Pumps No. 1, 2, 3; lubrication pumps, motors	2006	176,300	20	8,820
Screw Pump covers(3)	2006	50,200	20	2,510
HVAC Secondary Building	2006	29,700	20	1,490
Motor Control Center- Secondary Building	2006	32,300	20	1,620
PLC's-Secondary Treatment Building	2006	15,000	20	750
Total Secondary Treatment Equipment		1,453,900		82,760
Advanced Treatment Equipment:				
Effluent filters	2004	527,000	20	26,350
UV disinfection system w/auto cleaning	2006	303,200	20	15,160
1/4 ton electric hoists(2)	2006	9,000	20	450
Fine bubble aeration system	2006	15,100	20	760
Aeration system blowers(2)	1982	23,000	40	580
HVAC Filter Building	1982	10,000	40	250
Motor Control Center- Filter Building	2006	18,000	20	900
PLC's-Filter Building	2006	5,000	20	250
Total Advanced Treatment Equipment		910,300		44,700
NPW/Heating Equipment				
W3 Pump 10 HP(2)	2006	12,000	15	800
W3 Pump 20 HP(2)	2016	25,000	15	1,670
W3 Pump controls	2006	5,000	15	330
Boiler system (Lochnivar) OUT OF SERVICE	1994	30,000	20	0
Boiler system (Patterson-Kelly)	2006	40,000	20	2,000
Hot water recir pumps(2)	2006	8,800	15	590
HVAC Utility Building	2006	13,500	20	680
Motor Control Center Utility Building	2006	27,000	20	1,350
PLC's-Utility Building	2006	5,000	20	250
Total NPW/Heating Equipment		166,300		7,670

**CITY OF SUN PRAIRIE
WATER POLLUTION CONTROL FACILITY
EQUIPMENT 2020 REPLACEMENT FUND**

Item	Year Installed	Actual Equipment Costs	Est. Service Life	Annual Replacement Cost
Sludge Treatment and Disposal:				
Anaerobic digester:				
Covers	1982	205,000	39	5,260
TAS Pumps(2)	2018	59,700	25	2,390
WAS tank fine bubble diffuser system	2006	32,900	20	1,650
GBT thickener feed pumps(2)	2006	25,000	15	1,670
WAS tank blowers(3)	2006	61,800	15	4,120
Gravity belt thickener and controls	2006	153,200	20	7,660
Combination boiler/heat exchangers(2)	2006	233,800	20	11,690
Heat exchanger recir pumps(3)	2006	28,600	15	1,910
Digester mixing system(2)	2006	129,400	20	6,470
Belt filter press feed pump(2)	2006	20,000	15	1,330
Belt filter press and controls	2006	276,300	20	13,820
Sludge conveyor	2006	54,100	15	3,610
Polymer feed system and controls	2006	15,100	20	760
Waste gas burner	2006	26,400	20	1,320
Gas safety equipment(sensors, flame arrestors, etc)	2006	97,300	20	4,870
HVAC Digester Building and Tunnel	2006	97,900	20	4,900
Motor Control Center Digester Building	2006	70,000	20	3,500
PLC's - Digester Building	2006	15,000	20	750
Total Sludge Treatment and Disposal		<u>1,601,500</u>		<u>77,680</u>
Flow Metering and Monitoring Equipment:				
SCADA	1996	67,000	25	2,680
SCADA Computer	2015	<u>6,000</u>	3	<u>2,000</u>
Total Flow Metering and Monitoring Equipment		<u>73,000</u>		<u>4,680</u>
Total Treatment Plant		<u>5,861,550</u>		<u>297,180</u>
TOTAL "EPA REPLACEMENT"		<u>6,704,450</u>		<u>330,090</u>

**CITY OF SUN PRAIRIE
WATER POLLUTION CONTROL FACILITY
EQUIPMENT 2020 REPLACEMENT FUND**

Item	Year Installed	Actual Equipment Costs	Est. Service Life	Annual Replacement Cost
GENERAL PLANT:				
Structures and Improvements:				
Office Furniture and Equipment:				
Office furniture (offices and breakroom)	2007	14,000	15	930
Total Office Furniture and Equipment		14,000		930
Transportation Equipment:				
Ford F350 pickup truck (hosit/box/plow/crane)	2015	52,000	10	5,200
Ford F150 pickup truck w/topper	2014	18,800	10	1,880
Ford F350 Flat Bed Truck w/hoist	2006	26,100	15	1,740
Total Transportation Equipment		96,900		8,820
Other General Equipment:				
Electric hoists(2)(revised 2011-30 to 35 years)	1982	14,300	40	360
KVAR controller (OUT OF SERVICE)	1989	14,500	25	0
Onan 80 KW generator	1996	23,000	25	920
1000 gal. above ground fuel tank(revise 2011 - 15 to 20 yrs)	1997	5,500	25	220
Thompson 6" portable pump	2001	18,200	15	1,210
New Holland tractor and loader	2001	20,100	15	1,340
Vac Con sewer cleaning machine**	2014	307,500	10	21,750
ISCO model 6712C portable sampler	2004	5,360	15	360
GPS unit	2006	5,400	15	360
Dump truck	2006	63,900	20	3,200
End loader	2006	150,000	15	10,000
Lab water purification system	2016	11,000	10	1,100
PLC Network System (revised 2011-6 to 10 years)	2006	9,000	15	600
Electric scissors lift	2007	12,500	15	830
Turf Tiger Lawn Mower	2011	9,600	10	960
ISCO model 5800 Outdoor Refrigerated Sampler	2019	7,600	10	760
Lateral inspection camera with locator	2013	7,800	7	1,110
Total Other General Equipment		669,860		45,080
TOTAL GENERAL PLANT		780,760		54,830
TOTAL REPLACEMENT FUNDS		\$ 7,485,210		\$ 384,920

**Projected \$90,000 resale value of Vac Con