

PUBLIC WORKS PROJECTS

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SUN PRAIRIE
Public Works
2017 Summary of Street Projects



Street	Limits	Priority	Type of Const.	Street Costs	Sanitary Costs	Storm Sewer Costs	Water Main Costs	Total Costs
Pennsylvania Avenue	Thompson to Broadway	8	TR	\$ 1,060,000	\$ 2,000	\$ 205,000	\$ 4,000	1,271,000
Kelly Street	N. Bird to "B" Street	5	TR	\$ 325,000	\$ 1,000	\$ 35,000	\$ 155,000	\$ 516,000
North Street	Goodland to Klubertanz	7	TR	\$ 340,000	\$ 1,000	\$ 165,000	\$ 170,000	\$ 676,000
W. Goodland Street	North to Bristol	7	TR	\$ 355,000	\$ 1,000	\$ 20,000	\$ 147,000	\$ 523,000
W. Kohler Street	North to Bristol	7	TR	\$ 370,000	\$ 1,000	\$ 105,000	\$ 155,000	\$ 631,000
Wilson Street	N. Bird to "B" Street	5	TR	\$ 325,000	\$ 1,000	\$ 65,000	\$ 155,000	\$ 546,000
Birkinbine Drive	Luther to Robert	2	TR	\$ 170,000	\$ 1,000	\$ 125,000	\$ 173,000	\$ 469,000
W. Elm Street	Union to Birkinbine	2	TR	\$ 230,000	\$ 1,000	\$ 90,000	\$ 120,000	\$ 441,000
Luther Drive	Union to Birkinbine	2	TR	\$ 140,000	\$ 1,000	\$ -	\$ 86,000	\$ 227,000
Robert Drive	Maynard to Birkinbine	2	TR	\$ 150,000	\$ 1,000	\$ -	\$ 86,000	\$ 237,000
'B' Street	Kelly to Wilson	5	TR	\$ 110,000	\$ -	\$ 60,000	\$ -	\$ 170,000
Flint Street	W. Main to Kelly	3	TR	\$ 325,000	\$ 1,000	\$ 65,000	\$ 160,000	\$ 551,000
Lori Lane	Woodsend to St. Albert	4	PR	\$ 100,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 103,000
Lori Lane	Steven to Woodsend Ct.	4	SW	\$ 60,000	\$ 1,000	\$ 95,000	\$ 1,000	\$ 157,000
Wilburn Road	Bristol to Corporate Center	4	PR	\$ 200,000	\$ 1,000	\$ -	\$ 1,000	\$ 202,000
Wilburn Road	Corporate Center to Columbus	6	PR	\$ 168,000	\$ -	\$ 1,500	\$ 500	\$ 170,000
Bruce Street	Steven to 580' north	4	SW	\$ 55,000	\$ 1,000	\$ 80,000	\$ 1,000	\$ 137,000
Bruce Street	from End of SWU to Donald	4	PR	\$ 45,000	\$ 1,000	\$ -	\$ 1,000	\$ 47,000
Woodsend Ct.	Lori to End	4	SW	\$ 39,000	\$ 1,000	\$ 35,000	\$ 1,000	\$ 76,000
Concrete Road Repair	Grand Avenue	1	PW	\$ 75,000	\$ -	\$ -	\$ -	\$ 75,000
Median Restoration	Grand Avenue		PW	\$ 30,000	\$ -	\$ -	\$ -	\$ 30,000
Concrete Road Repair	Various		PW	\$ 35,000	\$ -	\$ -	\$ -	\$ 35,000
Totals				\$ 4,707,000	\$ 18,000	\$ 1,147,500	\$ 1,417,500	\$ 7,290,000

Capital Improvement Plan 2017 - 2021

17001 – Pennsylvania Avenue

Project Number: 17001

Priority: No. 8

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required



DESCRIPTION

This street is a Total Reconstruction project including all new curb & gutter, sidewalks, bituminous asphalt pavement, storm sewer, and minor water main and sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; the Stormwater Utility responsible for the storm sewer improvements; and SP Utilities for the water main improvements.

JUSTIFICATION

Because of the age of the street, and the amount of associated utility work, the street will require Total Reconstruction which involves work along the entire street right-of-way.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	1,271,000					1,271,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	1,271,000					1,271,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	205,000					205,000
Debt Proceeds Avail – SPU						
Rates – Wastewater	2,000					2,000
Rates – Sun Prairie Utilities	4,000					4,000
GO Notes - Levy	1,060,000					1,060,000
Total	1,271,000					1,271,000

Capital Improvement Plan 2017 - 2021

17002 – Kelly Street Reconstruction

Project Number: 17002

Priority: No. 5

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required



DESCRIPTION

Project limits are from N Bird Street to 'B' Street.

This street is a Total Reconstruction project including all new curb & gutter, sidewalks, bituminous asphalt pavement, storm sewer, water main, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; the Stormwater Utility responsible for the storm sewer improvements; and SP Utilities for the water main improvements.

JUSTIFICATION

SP Utilities is looking to replace the water main and services along this street. Because of the age of the street, and the amount of associated utility work, the street will require Total Reconstruction which involves work along the entire street right-of-way.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	516,000					516,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	516,000					516,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	35,000					35,000
Debt Proceeds Avail – SPU	155,000					155,000
Rates – Wastewater	1,000					1,000
Rates – Sun Prairie Utilities						
GO Notes - Levy	325,000					325,000
Total	516,000					516,000

Capital Improvement Plan 2017 - 2021

17003 – North Street Reconstruction



Project Number: 17003

Priority: No. 7

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required

DESCRIPTION

This is a Total Reconstruction project that includes all new curb & gutter, sidewalks, bituminous asphalt pavement, water main, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; and SP Utilities for the water main improvements. The limits of the project are from W Goodland Street to Klubertanz Drive.

JUSTIFICATION

The condition, age, and amount of proposed underground improvements results in the street not being a good candidate for the Pavement Rehabilitation form of reconstruction.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	676,000					676,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	676,000					676,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	165,000					165,000
Debt Proceeds Avail – SPU	170,000					170,000
Rates – Wastewater	1,000					1,000
Rates – Sun Prairie Utilities						
GO Notes - Levy	340,000					340,000
Total	676,000					676,000

Capital Improvement Plan 2017 - 2021

17004 – West Goodland Street

Project Number: 17004

Priority: No. 7

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required



DESCRIPTION

This street is a Total Reconstruction project including all new curb & gutter, sidewalks, bituminous asphalt pavement, storm sewer, water main, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; the Stormwater Utility responsible for the storm sewer improvements; and SP Utilities for the water main improvements. The project limits are from North Street to Bristol Street.

JUSTIFICATION

SP Utilities is looking to replace the water main and services along this street. Because of the age of the street, and the amount of associated utility work, the street will require Total Reconstruction which involves work along the entire street right-of-way.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	523,000					523,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	523,000					523,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	20,000					20,000
Debt Proceeds Avail – SPU	147,000					147,000
Rates – Wastewater	1,000					1,000
Rates – Sun Prairie Utilities						
GO Notes - Levy	355,000					355,000
Total	523,000					523,000

Capital Improvement Plan 2017 - 2021

17005 – West Kohler Street

Project Number: 17005

Priority: No. 7

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required



DESCRIPTION

This street is a Total Reconstruction project including all new curb & gutter, sidewalks, bituminous asphalt pavement, storm sewer, water main, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; the Stormwater Utility responsible for the storm sewer improvements; and SP Utilities for the water main improvements. The project limits are from North Street to Bristol Street.

JUSTIFICATION

SP Utilities is looking to replace the water main and services along this street. Because of the age of the street, and the amount of associated utility work, the street will require Total Reconstruction which involves work along the entire street right-of-way.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	631,000					631,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	631,000					631,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	105,000					105,000
Debt Proceeds Avail – SPU	155,000					155,000
Rates – Wastewater	1,000					1,000
Rates – Sun Prairie Utilities						
GO Notes - Levy	370,000					370,000
Total	631,000					631,000

Capital Improvement Plan 2017 - 2021

17006 – Wilson Street Reconstruction

Project Number: 17006

Priority: No. 5

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required



DESCRIPTION

Project limits are from N Bird Street to 'B' Street.

This street is a Total Reconstruction project including all new curb & gutter, sidewalks, bituminous asphalt pavement, storm sewer, water main, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; the Stormwater Utility responsible for the storm sewer improvements; and SP Utilities for the water main improvements.

JUSTIFICATION

SP Utilities is looking to replace the water main and services along these streets. Because of the age of the streets, and the amount of associated utility work, the streets will require Total Reconstruction which involves work along the entire street right-of-way.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	546,000					546,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	546,000					546,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	65,000					65,000
Debt Proceeds Avail – SPU	155,000					155,000
Rates – Wastewater	1,000					1,000
Rates – Sun Prairie Utilities						
GO Notes - Levy	325,000					325,000
Total	546,000					546,000

Capital Improvement Plan 2017 - 2021

17007 – Birkinbine Drive Reconstruction

Project Number: 17007

Priority: No. 2

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required



DESCRIPTION

This is a Total Reconstruction project that includes all new curb & gutter, sidewalks, bituminous asphalt pavement, water main, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; and SP Utilities for the water main improvements. The limits of the project are from Luther Street to Robert Drive.

JUSTIFICATION

The condition, age, and amount of proposed underground improvements results in the street not being a good candidate for the Pavement Rehabilitation form of reconstruction.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	469,000					469,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	469,000					469,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	125,000					125,000
Debt Proceeds Avail – SPU	173,000					173,000
Rates – Wastewater	1,000					1,000
Rates – Sun Prairie Utilities						
GO Notes - Levy	170,000					170,000
Total	469,000					469,000

Capital Improvement Plan 2017 - 2021

17008 – W Elm Street Reconstruction

Project Number: 17008

Priority: No. 2

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required



DESCRIPTION

This is a Total Reconstruction project that includes all new curb & gutter, sidewalks, bituminous asphalt pavement, water main, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; and SP Utilities for the water main improvements. The limits of the project are from Union Street to Birkinbine Drive.

JUSTIFICATION

The condition, age, and amount of proposed underground improvements results in the street not being a good candidate for the Pavement Rehabilitation form of reconstruction.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	441,000					441,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	441,000					441,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	90,000					90,000
Debt Proceeds Avail – SPU	120,000					120,000
Rates – Wastewater	1,000					1,000
Rates – Sun Prairie Utilities						
GO Notes - Levy	230,000					230,000
Total	441,000					441,000

Capital Improvement Plan 2017 - 2021

17009 – Luther Street Reconstruction

Project Number: 17009

Priority: No. 2

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required



DESCRIPTION

This is a Total Reconstruction project that includes all new curb & gutter, sidewalks, bituminous asphalt pavement, water main, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; and SP Utilities for the water main improvements. The limits of the project are from Union Street to Birkinbine Drive.

JUSTIFICATION

The condition, age, and amount of proposed underground improvements results in the street not being a good candidate for the Pavement Rehabilitation form of reconstruction.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	227,000					227,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	227,000					227,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater						
Debt Proceeds Avail – SPU	86,000					86,000
Rates – Wastewater	1,000					1,000
Rates – Sun Prairie Utilities						
GO Notes - Levy	140,000					140,000
Total	227,000					227,000

Capital Improvement Plan 2017 - 2021

17010 – Robert Drive

Project Number: 17010

Priority: No. 2

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required



DESCRIPTION

This street is a Total Reconstruction project including all new curb & gutter, sidewalks, bituminous asphalt pavement, storm sewer, water main, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; the Stormwater Utility responsible for the storm sewer improvements; and SP Utilities for the water main improvements. The project limits are from Maynard Drive to Birkinbine Drive.

JUSTIFICATION

SP Utilities is looking to replace the water main and services along this street. Because of the age of the street, and the amount of associated utility work, the street will require Total Reconstruction which involves work along the entire street right-of-way.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	237,000					237,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	237,000					237,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater						
Debt Proceeds Avail – SPU	86,000					86,000
Rates – Wastewater	1,000					1,000
Rates – Sun Prairie Utilities						
GO Notes - Levy	150,000					150,000
Total	237,000					237,000

Capital Improvement Plan 2017 - 2021

17012 - 'B' Street Reconstruction

Project Number: 17012

Priority: No. 5

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required



DESCRIPTION

Project limits are from Kelly Street to Wilson Street.
 This is a Total Reconstruction project that includes all new curb & gutter, sidewalks, CABC and bituminous asphalt pavement.

JUSTIFICATION

Due to the condition and age of the curb & gutter and pavement structure this street is not a good candidate for the Pavement Rehabilitation form of reconstruction.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	170,000					170,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	170,000					170,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater						
Debt Proceeds Avail – SPU	60,000					60,000
Rates – Wastewater						
Rates – Sun Prairie Utilities						
GO Notes - Levy	110,000					110,000
Total	170,000					170,000

Capital Improvement Plan 2017 - 2021

17019 – Flint Street Reconstruction

Project Number: 17019

Priority: No. 3

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required



DESCRIPTION

This street is a Total Reconstruction project including all new curb & gutter, sidewalks, bituminous asphalt pavement, storm sewer, water main, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; the Stormwater Utility responsible for the storm sewer improvements; and SP Utilities for the water main improvements. The project limits are from W Main Street to Kelly Street.

JUSTIFICATION

SP Utilities is looking to replace the water main and services along this street. Because of the age of the street, and the amount of associated utility work, the street will require Total Reconstruction which involves work along the entire street right-of-way.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	551,000					551,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	551,000					551,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	65,000					65,000
Debt Proceeds Avail – SPU	160,000					160,000
Rates – Wastewater	1,000					1,000
Rates – Sun Prairie Utilities						
GO Notes - Levy	325,000					325,000
Total	551,000					551,000

Capital Improvement Plan 2017 - 2021

17011 – Lori Lane Storm Water Improvements and Pavement Rehabilitation



Project Number: 17011

Priority: No. 4

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required

DESCRIPTION

The project limits are from Steven Street to St. Albert. This street is a combination Pavement Rehabilitation and Storm Water Utility Projects. The street was identified as needing storm sewer extension improvements. The street will include curb & gutter spot repairs, bituminous asphalt pavement, storm sewer extensions, water valve replacements, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; the Storm Water Utility responsible for the storm sewer improvements; and SP Utilities for the water main improvements.

JUSTIFICATION

This street was identified by our Storm Water Utility as needing storm sewer extensions. Along with deteriorating pavement, these streets should be resurfaced with the utility improvements and should be free of major maintenance work for a period of 25 years or more.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	260,000					260,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	260,000					260,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	96,000					96,000
Debt Proceeds Avail – SPU						
Rates – Wastewater	2,000					2,000
Rates – Sun Prairie Utilities	2,000					2,000
GO Notes - Levy	160,000					160,000
Total	260,000					260,000

Capital Improvement Plan 2017 - 2021

17013 – Wilburn Road Pavement Rehabilitation



Project Number: 17013

Priority: No. 6

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required

DESCRIPTION

This street is a Pavement Rehabilitation Project. This street has a deteriorating pavement and is in need of resurfacing. The street will include curb & gutter spot repairs, bituminous asphalt pavement, water valve replacements, and possible minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; the Stormwater Utility responsible for the storm sewer improvements; and SP Utilities for the water valve improvements. The project limits are from Bristol Street to Corporate Center Drive.

JUSTIFICATION

This street has deteriorating pavement. By addressing the pavement at this time the street can be resurfaced while avoiding a more costly reconstruction project in the near future. This rehabilitation should eliminate any major maintenance work for a period of 25 years or more.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	372,000					372,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	372,000					372,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater						
Debt Proceeds Avail – SPU						
Rates – Wastewater	1,000					1,000
Rates - Stormwater	1,500					1,500
Rates – Sun Prairie Utilities	1,500					1,500
GO Notes - Levy	368,000					368,000
Total	372,000					372,000

Capital Improvement Plan 2017 - 2021

17014 – Bruce Street Stormwater Improvements and Pavement Rehabilitation



Project Number: 17014

Priority: No. 4

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required

DESCRIPTION

The project limits are from Steven Street to Donald Drive. This street is a combination Pavement Rehabilitation and Stormwater Utility Projects. The street was identified as needing storm sewer extension improvements. The street will include curb & gutter spot repairs, bituminous asphalt pavement, storm sewer extensions, water valve replacements, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; the Stormwater Utility responsible for the storm sewer improvements; and SP Utilities for the water main improvements.

JUSTIFICATION

This street was identified by our Stormwater Utility as needing storm sewer extensions. Along with deteriorating pavement, these streets should be resurfaced with the utility improvements and should be free of major maintenance work for a period of 25 years or more.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	184,000					184,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	184,000					184,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	80,000					80,000
Debt Proceeds Avail – SPU						
Rates – Wastewater	2,000					2,000
Rates – Sun Prairie Utilities	2,000					2,000
GO Notes - Levy	100,000					100,000
Total	184,000					184,000

Capital Improvement Plan 2017 - 2021

17017 – Woodsend Ct. Stormwater Improvements and Pavement Rehabilitation



Project Number: 17017

Priority: No. 4

Department: Engineering

Type: Street/Utility Improvement

Contact: City Engineer

Useful Life: 25 years before major maintenance is required

DESCRIPTION

The project limits are from Lori Lane to the end. This street is a combination Pavement Rehabilitation and Stormwater Utility Projects. The street was identified as needing storm sewer extension improvements. The street will include curb & gutter spot repairs, bituminous asphalt pavement, storm sewer extensions, water valve replacements, and minor sanitary sewer work. The WWTP will be responsible for funding the sanitary sewer improvements; the Stormwater Utility responsible for the storm sewer improvements; and SP Utilities for the water main improvements.

JUSTIFICATION

This street was identified by our Stormwater Utility as needing storm sewer extensions. Along with deteriorating pavement, these streets should be resurfaced with the utility improvements and should be free of major maintenance work for a period of 25 years or more.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction	76,000					76,000
Professional Services						
Equipment						
Land/ROW/Acquisition						
Total	76,000					76,000

Funding Sources	2017	2018	2019	2020	2021	Total
Rates – Fleet Fund						
Debt Proceeds Avail – Stormwater	35,000					35,000
Debt Proceeds Avail – SPU						
Rates – Wastewater	1,000					1,000
Rates – Sun Prairie Utilities	1,000					1,000
GO Notes - Levy	35,000					35,000
Total	76,000					76,000

Capital Improvement Plan 2017-2021

17018 – Grand Ave Signal Loop Concrete Repairs



Project Number 17018

Priority: 1

Department: DPW

Type: Repair

Contact: Lee Igl

Useful Life: 45 Years

DESCRIPTION

Repair 14 sections of Grand Avenue that are failing at the signal loop detector locations. Each location requires a 25 foot section of roadway cut out to make the repair.

JUSTIFICATION

These repairs can be completed over a period of time, but some need to start within a year as the road is beginning to buckle and deteriorating rapidly. For potentially better contract pricing it may be best to replace all at one time.

FINANCING

Title of Project:	Grand Avenue Signal Loop Concrete Repairs			Project Code:	17018	
Method of Financing:	2017	2018	2019	2020	2021	Total \$
Project Cost:	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000
City Cost						
Less: GO Borrowing						
Less: Grants & Other Revenues						
Less: Capital Borrowing						
Less: Impact Fee Fund						
Less: Wastewater Fund						
Less: Stormwater Fund						
Less: Utility Reimbursement						
Borrowing Cost to City	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000

Capital Improvement Plan 2017-2021

17020 – Grand Ave Median restoration

Project Number: 17020 Priority: 2
 Department: DPW Type: Replacement
 Contact: Lee Igl Useful Life: 50 Years



DESCRIPTION

The restoration of the medians includes grading, excavating to level out holes and ruts, bring in top soil to fill the medians including the curb line. Once the medians are corrected the medians will be seeded and mulched.

JUSTIFICATION

During the construction of Grand Avenue and subsequent construction, installing utilities, signals, etc within the median, the medians were never graded and repaired. Also, settling occurred behind the curb line leaving 4 to 6 inch drop offs in many areas. These ruts, piles of rocks, holes and sinking behind the curb line has caused damage to the mowers and extreme jarring to the operators. Additionally, the mowers will shoot debris into the roadway.

FINANCING

Title of Project:	Grand Avenue Median Restoration			Project Code:	17020	
	2017	2018	2019		2020	2021
Method of Financing:						
Project Cost:	\$30,000	0	0	0	0	\$30,000
City Cost						
Less: GO Borrowing						
Less: Grants & Other Revenues						
Less: Capital Borrowing						
Less: Impact Fee Fund						
Less: Wastewater Fund						
Less: Stormwater Fund						
Less: Utility Reimbursement						
Borrowing Cost to City	\$30,000					\$30,000

Capital Improvement Plan 2017-2021

17021 – Concrete road repair Linnerud, Grand, Windsor, Main



Project Number 17021

Priority: 1

Department: DPW

Type: Repair

Contact: Lee Igl

Useful Life: 45 Years

DESCRIPTION

Repair sections of concrete on Grand Ave, Windsor Street, Main Street and Linnerud Drive. Each street has section 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 contactors.

JUSTIFICATION

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

FINANCING

Title of Project:	Concrete Road Repair			Project Code:	17021	
Method of Financing:	2017	2018	2019	2020	2021	Total \$
Project Cost:	35,000	35,000	35,000	35,000	35,000	175,000
City Cost						
Less: GO Borrowing						
Less: Grants & Other Revenues						
Less: Capital Borrowing						
Less: Impact Fee Fund						
Less: Wastewater Fund						
Less: Stormwater Fund						
Less: Utility Reimbursement						
Borrowing Cost to City	35,000	35,000	35,000	35,000	35,000	175,000

SUN PRAIRIE

Public Works

2018 Summary of Street Projects



Street	Limits	Priority	Type of Const.	Street Costs	Sanitary Costs	Storm Sewer Costs	Water Main Costs	Total Costs
Allen Avenue	Roland to Clements	7	TR	\$ 375,000	\$ 2,000	\$ 80,000	\$ 185,000	\$ 642,000
E. Goodland Street	Bristol to Benz Ct.	4	TR	\$ 395,000	\$ 3,000	\$ 45,000	\$ 190,000	\$ 633,000
E. Hoover Street	Bristol to Davis	4	TR	\$ 290,000	\$ 3,000	\$ 20,000	\$ 151,000	\$ 464,000
E. Kohler Street	Bristol to Taft	4	TR	\$ 250,000	\$ 2,000	\$ 45,000	\$ 105,000	\$ 402,000
E. MacArthur Street	Bristol to East End	4	TR	\$ 545,000	\$ 5,000	\$ 75,000	\$ 300,000	\$ 925,000
Taft Street	E. Goodland to Hoover	4	TR	\$ 330,000	\$ 3,000	\$ 70,000	\$ 175,000	\$ 578,000
Williamson Avenue	W. Main to Frederick	7	TR	\$ 270,000	\$ 2,000	\$ 50,000	\$ 120,000	\$ 442,000
Clements Avenue	Allen to Frederick	7	TR	\$ 170,000	\$ 1,000	\$ -	\$ 59,000	\$ 230,000
Elizabeth Lane	Scheuerell to Earnest	3	TR	\$ 300,000	\$ 2,000	\$ 60,000	\$ 146,000	\$ 508,000
Scheuerell Lane	Elizabeth to Woodview	3	TR	\$ 305,000	\$ 2,000	\$ 20,000	\$ 172,000	\$ 499,000
Benz Court	Davis to End	4	TR	\$ 145,000	\$ 1,000	\$ -	\$ 52,000	\$ 198,000
Pebblebrook Trail	Stonehaven to Terrace Limit	9	PR	\$ 77,000	\$ 1,000	\$ -	\$ 1,000	\$ 79,000
Stonehaven Drive	Boulder Way +/- to Bristol	9	PR	\$ 115,000	\$ 1,000	\$ -	\$ 1,000	\$ 117,000
Terrace Chase	Pebblebrook to Bristol	9	PR	\$ 81,000	\$ 1,000	\$ -	\$ 1,000	\$ 83,000
Boulder Way	Stonehaven to Terrace Chase	9	PR	\$ 107,000	\$ 1,000	\$ -	\$ 1,000	\$ 109,000
Kuhle Drive	Broome to Terrace Chase	9	PR	\$ 165,000	\$ 10,000	\$ -	\$ 1,000	\$ 176,000
Steven Street	Blazer to Lori	2	SW	\$ 60,000	\$ 2,000	\$ 220,000	\$ 2,000	\$ 284,000
W. Main Street	Union to Bristol	5	PR	\$ 485,000	\$ 3,000	\$ 3,000	\$ 4,000	\$ 495,000
Eddington Drive	STH 19 to Steven	6	Concrete	\$ 170,000	\$ 1,500	\$ 1,500	\$ 1,500	\$ 174,500
Wallingford Drive	Eddington to Dickson	6	PR	\$ 130,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 133,000
Wallingford Circle	Eddington to End	6	PR	\$ 63,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 66,000
Dickson Drive	Wallingford to Plat	6	PR	\$ 110,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 113,000
Dickson Drive	Plat Line to Broadway	6	PR	\$ 32,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 35,000
Barrington Circle	Eddington to End	9	PR	\$ 57,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 60,000
Barrington Drive	Eddington to Steven	9	PR	\$ 127,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 130,000
Elizabeth Court	Elizabeth Lane to End	3	PR	\$ 42,000	\$ 1,000	\$ -	\$ 64,000	\$ 107,000
Vine Street	W. Main to Columbus	8	Concrete	\$ 140,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 143,000
Concrete Road Repair	Grand Avenue	1	PW	\$ 75,000	\$ -	\$ -	\$ -	\$ 75,000
Concrete Road Repair	Various		PW	\$ 35,000	\$ -	\$ -	\$ -	\$ 35,000
Totals =				\$ 5,446,000	\$ 54,500	\$ 696,500	\$ 1,738,500	\$ 7,935,500

Capital Improvement Plan 2018

Various – 2018 Total Reconstruction Projects

Project Number: Various **Priority:** No. 2
Department: Engineering **Type:** Streets – Total Reconstruction
Contact: City Engineer **Useful Life:** 25-years



DESCRIPTION

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.

Williamson Avenue	Allen Boulevard	Clements Avenue
E. Hoover Street	E. MacArthur Street	E. Kohler Street
E. Goodland Street	Benz Court	Taft Street
Elizabeth Lane	W. Main Street	Scheuerell Lanne

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 the existing underground utilities. Because of these factors the streets are no longer candidates for the less expensive and less disruptive Pavement Rehabilitation form of construction.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction		6,016,000				6,016,000
Professional Services						
Land/ROW/Acquisition						
Total		6,016,000				6,016,000

Funding Sources	2017	2018	2019	2020	2021	Total
GO Notes - Levy		3,860,000				3,860,000
GO Bonds – Stormwater		468,000				468,000
GO Bonds – SPU		1,659,000				1,659,000
Rates – WWTP		29,000				29,000
Total		6,016,000				6,016,000

Capital Improvement Plan 2018

Various – 2018 Pavement Rehabilitation Projects

Project Number: Various **Priority:** No. 2
Department: Engineering **Type:** Streets
Contact: City Engineer **Useful Life:** 25-years



DESCRIPTION

The following 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.

Steven Street	Eddington Drive	Wallingford Drive
Wallingford Circle	Dickson Drive	Barrington Circle
Barrington Drive	Stonehaven Drive	Boulder Way
Kuhle Drive	Terrace Chase	Pebblebrook Trail
Vine Street	Elizabeth Court	

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 & gutter and perhaps the replacement of the basecourse beneath the bituminous asphalt pavement.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction		1,809,500				1,809,500
Professional Services						
Land/ROW/Acquisition						
Total		1,809,500				1,809,500

Funding Sources	2017	2018	2019	2020	2021	Total
GO Notes - Levy		1,476,000				1,476,000
GO Bonds – Stormwater		220,000				220,000
Rates – Stormwater Utility		8,500				8,500
GO Bonds – SPU		64,000				64,000
Rates – Water Utility		15,500				15,500
Rates – WWTP		25,500				25,500
Total		1,809,500				1,809,500

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Capital Improvement Plan 2019

VARIOUS – Street Total Reconstruction Projects

Project Number: Various **Priority:** No. 2
Department: Engineering **Type:** Streets – Total Reconstruction
Contact: City Engineer **Useful Life:** 25-years



DESCRIPTION

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.

STH 19 (Windsor Street)	Broadway Drive	Buena Vista Drive
Ruby Lane	N. Pine Street	Pine Street
Jerico Lane	Gerald Avenue	Clara Street

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 the existing underground utilities. Because of these factors the streets are no longer candidates for the less expensive and less disruptive Pavement Rehabilitation form of construction.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction			7,146,000			7,146,000
Professional Services						
Land/ROW/Acquisition						
Total			7,146,000			7,146,000

Funding Sources	2017	2018	2019	2020	2021	Total
GO Notes - Levy			4,212,000			4,212,000
GO Bonds – Stormwater			1,356,000			1,356,000
GO Bonds – SPU			1,544,000			1,544,000
Rates – WWTP			34,000			34,000
Total			7,146,000			7,146,000

Capital Improvement Plan 2019

VARIOUS – 2019 Pavement Rehabilitation Projects

Project Number: Various **Priority:** No. 2
Department: Engineering **Type:** Streets
Contact: City Engineer **Useful Life:** 25-years



DESCRIPTION

The following 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.

N. Musket Ridge	Spoke Circle	Steven Street
Vandenburg Street	Allison Street	Daniel Street
Betty Lee Court	Donald Drive	Ernest Avenue (?)

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 expense form construction; requiring the replacement of all the curb & gutter and perhaps the replacement of the basecourse beneath the bituminous asphalt pavement.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction			1,294,000			1,294,000
Professional Services						
Land/ROW/Acquisition						
Total			1,294,000			1,294,000

Funding Sources	2017	2018	2019	2020	2021	Total
GO Notes - Levy			771,000			771,000
GO Bonds – Stormwater			298,000			298,000
GO Bonds – SPU			212,000			212,000
Rates – WWTP			13,000			13,000
Total			1,294,000			1,294,000

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Capital Improvement Plan 2020

VARIOUS – Street Total Reconstruction Projects

Project Number: Various **Priority:** No. 2
Department: Engineering **Type:** Streets – Total Reconstruction
Contact: City Engineer **Useful Life:** 25-years



DESCRIPTION

Buena Vista Drive	Schiller Street	Juniper Street
Miller Street	Trapp Street	Wagner Court
Beech Court	Surrey Drive	

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 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 the existing underground utilities. Because of these factors the streets are no longer candidates for the less expensive and less disruptive Pavement Rehabilitation form of construction.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction				4,796,000		4,796,000
Professional Services						
Land/ROW/Acquisition						
Total				4,796,000		4,796,000

Funding Sources	2017	2018	2019	2020	2021	Total
GO Notes - Levy				3,122,000		3,122,000
GO Bonds – Stormwater				453,000		453,000
GO Bonds – SPU				1,203,000		1,203,000
Rates – WWTP				18,000		18,000
Total				4,796,000		4,796,000

Capital Improvement Plan 2020

VARIOUS – 2020 Pavement Rehabilitation Projects

Project Number: Various **Priority:** No. 2

Department: Engineering **Type:** Streets

Contact: City Engineer **Useful Life:** 25-years



DESCRIPTION

The following 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.

Corporate Center Drive	Craftsman Way	Commerce Drive
Old Indian Mound Trail	Parkview Drive	S. Bristol Street
N. Bristol Street	Frederick Street	Linnerud Drive
Dewey Street	Colorado Avenue	Surrey Court
Hickory Court	Surrey Drive	Paul Street
Woodland Drive	Robert Drive	Steven Street
Harwood Court	Huntwick Court	Cobblestone Court
Windemere Court	Blaser Court	

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 expense form construction; requiring the replacement of all the curb & gutter and perhaps the replacement of the basecourse beneath the bituminous asphalt pavement.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction				2,663,500		2,663,500
Professional Services						
Land/ROW/Acquisition						
Total				2,663,500		2,663,500

Funding Sources	2017	2018	2019	2020	2021	Total
GO Notes - Levy				2,335,000		2,335,000
GO Bonds – Stormwater				85,500		85,500
GO Bonds – SPU				218,000		218,000
Rates – WWTP				25,000		25,000
Total				2,663,500		2,663,500

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Capital Improvement Plan 2021

Various – Street Reconstruction Projects

Project Number: Various **Priority:** No. 2
Department: Engineering **Type:** Streets – Total Reconstruction
Contact: City Engineer **Useful Life:** 25-years



DESCRIPTION

Emerald Terrance	Barbara Street	Jeanne Court
Ivory Drive	Schuster Road	

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 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 the existing underground utilities. Because of these factors the streets are no longer candidates for the less expensive and less disruptive Pavement Rehabilitation form of construction.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction					4,557,000	4,557,000
Professional Services						
Land/ROW/Acquisition						
Total					4,557,000	4,557,000

Funding Sources	2017	2018	2019	2020	2021	Total
GO Notes - Levy					2,845,000	2,845,000
GO Bonds – Stormwater					635,000	635,000
GO Bonds – SPU					1,060,000	1,060,000
Rates – WWTP					17,000	17,000
Total					4,557,000	4,557,000

Capital Improvement Plan 2021

VARIOUS – 2021 Pavement Rehabilitation Projects

Project Number: Various **Priority:** No. 2
Department: Engineering **Type:** Streets
Contact: City Engineer **Useful Life:** 25-years



DESCRIPTION

The following 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.

Diamond Court	Valley Ridge Drive	Stagecoach Circle
Eddington Drive	Innsbrook Drive	Summerton Court
Gas Light Drive	Featherwood Pass	Wyoming Avenue
Castle Drive	Villa Circle	Fountain Drive
Fireside Court	Sapphire Way	Rustic Drive
Oconto Drive	Walker Court	Katherine Drive
Linnerud Drive	Walbridge Circle	Sumter Circle
Carriage Drive	Broadway Drive	Carrington Drive
Chalfont Drive	New Haven Circle	

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 expense form construction; requiring the replacement of all the curb & gutter and perhaps the replacement of the basecourse beneath the bituminous asphalt pavement.

FINANCING

Expenditures	2017	2018	2019	2020	2021	Total
Design						
Construction					3,030,500	3,030,500
Professional Services						
Land/ROW/Acquisition						
Total					3,030,500	3,030,500

Funding Sources	2017	2018	2019	2020	2021	Total
GO Notes - Levy					2,804,000	2,804,000
GO Bonds – Stormwater					112,250	112,250
GO Bonds – SPU					83,750	83,750
Rates – WWTP					30,500	30,500
Total					3,030,500	3,030,500

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