



# Capital Improvements Plan

City of Harrisburg, South Dakota

2016 - 2020



Prepared by Stockwell Engineers, Inc.

600 North Main Ave, Suite 100

Sioux Falls, SD 57104

Ph: (605)338-6668

[www.stockwellengineers.com](http://www.stockwellengineers.com)

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## Introduction

Enclosed within these pages is the city of Harrisburg's capital plan for the year's 2016 to 2020. This document serves as a guide for the citizens of Harrisburg and outlines the plans for investing public funds and details the city's financial strategy for the next five years. The capital program has a strong focus on preparing for growth, maintaining the city's current infrastructure, promoting recreation and exceeding the standard for public safety.

The financial information contained within this document is based on unaudited data provided by city of Harrisburg's staff and is intended only to provide a general overview of the financial status of the city. Stockwell Engineers, Inc. accepts no liability for the accuracy of this data. Third party audits are conducted periodically. Current reports are available from the city of Harrisburg's website or by contacting city staff.



## Revenues

Services provided by the city are funded by the general public. Money is collected from various sources and allocated by the city council toward specific uses. The majority of the city's revenue is collected through taxes and user fees while other miscellaneous sources account for a smaller percentage. The paragraphs that follow give a broad overview of the different sources of revenue available to the city.

**Property Taxes:** Local property taxes are calculated as a percentage of the city's assessed property value. The rate of taxation is dictated by the municipal mill levy which is currently set at 3.932 mills. A mill levy of 3.758 is proposed for the year 2016.

**Sales & Use Taxes:** The city of Harrisburg maintains a 2% sales & use tax on all business transactions as allowed by South Dakota Law. An additional 1% municipal gross receipts tax on lodging accommodations, eating establishments, alcohol sales and admissions to places of amusement are also imposed.

**Enterprise Fees:** Enterprise fees include revenue collected by the municipality in exchange for goods or services. Harrisburg currently maintains two enterprise funds; one for sewer and one for water. Enterprise revenues are collected to solely fund the expenditures of the respective enterprise.

**License & Permits:** The city collects miscellaneous fees for various types of licenses and permits. Specific examples include liquor licenses, video lottery fees and building permits.

**Grants:** Over the years, Harrisburg has been proactive in pursuing state and federal grants whenever available. The amount of grant dollars received by the city varies from year to year.

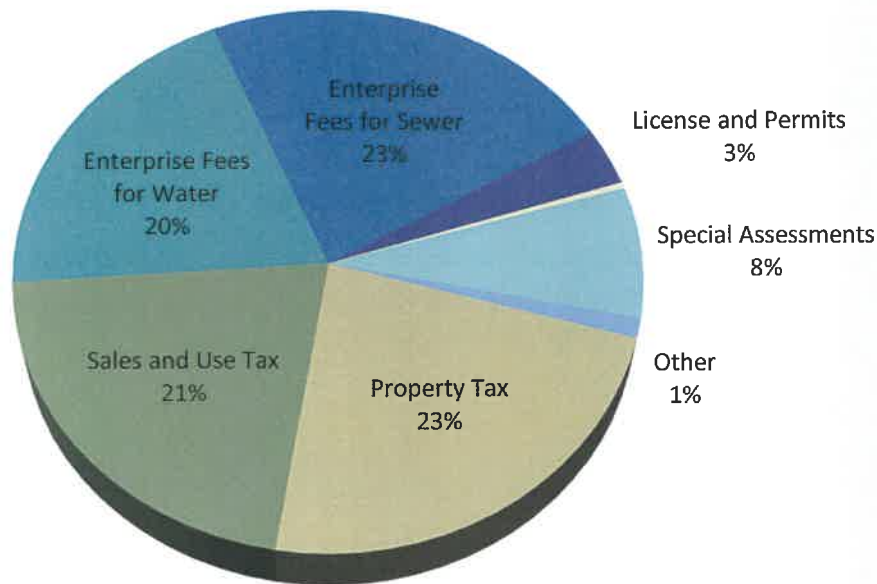
**State & County Tax:** Harrisburg receives various shared revenues from the state of South Dakota and Lincoln County. Shared revenues include portioned money from various sources such as motor vehicle taxes, wheel taxes, highway and bridge funds among others.

**Project Loans:** The city utilizes loans to help fund specific projects throughout the year. Loan dollars are collected and distributed to their appropriate fund.

**Special Assessments:** Special assessments include money collected for local improvements projects. Those dollars are collected through special taxation which allows the municipality to assess the properties that are adjacent to or benefitted by a project. Currently, there are annual assessments for storm drainage improvements as well as street and light maintenance.

**Other:** Other miscellaneous revenue sources include various contributions and donations, rental fees and others.

## 2016 Estimated Revenue



2016 Estimated Revenues	
Property Tax	\$966,711.00
Sales and Use Tax	\$890,450.00
Enterprise Fees for Water	\$958,500.00
Enterprise Fees for Sewer	\$825,000.00
License & Permits	\$144,150.00
Grants	\$0.00
State and County Tax	\$15,125.00
Project Loans	\$0.00
Special Assessments	\$323,046.00
Other	\$50,600.00
<b>Grand Total</b>	<b>\$4,173,582.00</b>

## Funds

Funds act as accounts to collect revenue and expense costs. Local governments use three broad categories of funds; governmental funds, proprietary funds and fiduciary funds. The following list of funds is currently administered by the city.

**General Fund:** The general fund is the primary operating account that provides most of the day-to-day services to the city. Services related to general government, administration, police, fire & rescue, public works are all funded through the general fund.

**3<sup>rd</sup> Penny Sales Tax Fund:** The 3<sup>rd</sup> penny fund collects revenue imposed by the city's 1% municipal gross receipts tax. Money received is used toward promoting economic development within the city.

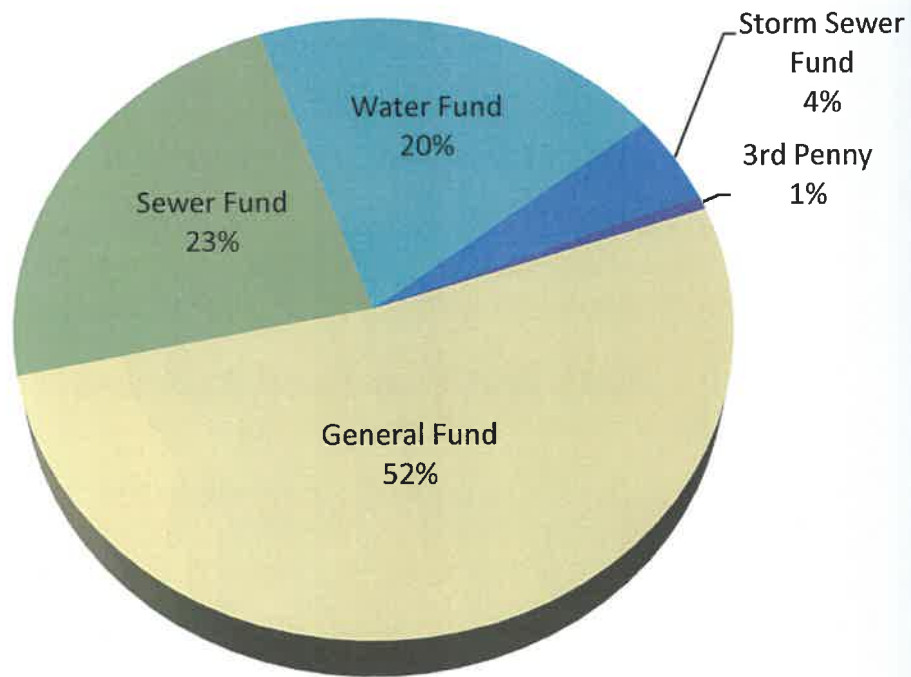
**Water Fund:** The water fund is one of three proprietary accounts managed by the city. Revenue is collected from the users in exchange for water service. Money generated by the water fund is used solely to maintain and improve the water system.

**Sewer Fund:** The sewer fund is also a proprietary account. Money is collected through user fees and used directly toward maintaining and improving the city's sanitary sewer system.

**Storm Sewer Fund:** The storm sewer fund is the third proprietary account. Money is collected from property owners through an annual assessment based on the property's area and runoff factor. This assessment is used to fund storm drainage projects.



## 2016 Fund Distribution



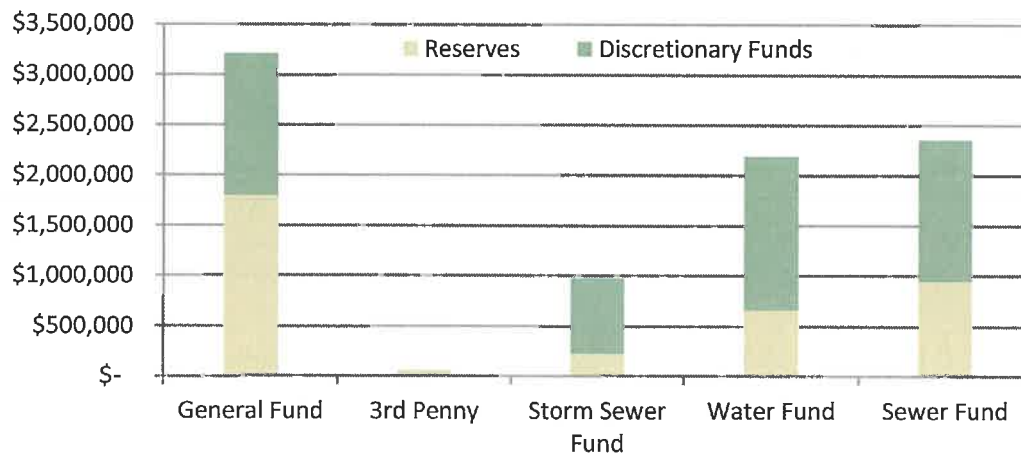
2016 Fund Distribution	
General Fund	\$2,165,820.00
Sewer Fund	\$958,500.00
Water Fund	\$825,800.00
Storm Sewer Fund	\$193,362.00
3rd Penny	\$30,100.00
<b>Grand Total</b>	<b>\$4,173,582.00</b>

## Reserves & Trends

Throughout the course of each year, the city closely monitors the balances available for each fund. Accounting practices are overseen by the finance office to ensure proper use of each account. As the city closes their fiscal year, leftover money is carried forward to the following year. The tables and figures below illustrate the year end balances for each fund in 2015.

The yearend balance is an effective estimate of the reserve funds available for budgeting the following year. It is important for municipalities to maintain an adequate balance of reserve funds to ensure steady tax rates and to minimize the risk of revenue shortfalls or unanticipated costs. The Government Finance Officers Association recommends governments maintain a minimum amount of unrestricted funds equal to 2 months worth of regular general fund operating revenues. The city has chosen to maintain a minimum of one years worth of expenditures in reserve for each respective fund.

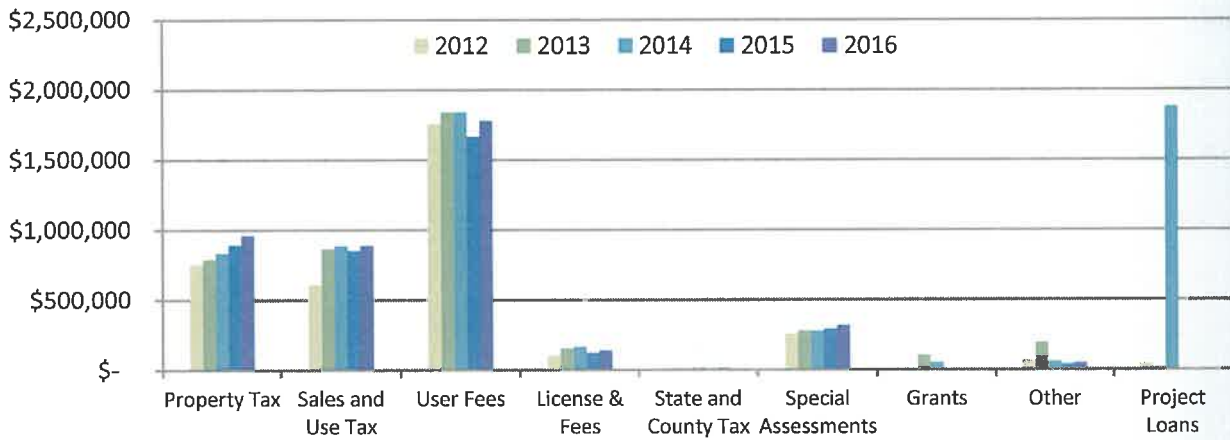
### 2015 End Year Fund Balances



Fund	Reserves	Total Balance
General Fund	\$ 1,800,000	\$ 3,217,718
3rd Penny	\$ 68,194	\$ 68,194
Storm Sewer Fund	\$ 225,000	\$ 980,295
Water Fund	\$ 662,000	\$ 2,194,540
Sewer Fund	\$ 947,000	\$ 2,358,797

While preparing the annual budget, city staff reviews past revenue data and estimates future revenue for the coming year. Projections are based largely upon past years performance and anticipated growth. Factors such as changes to the mill levy and other economic indicators are also evaluated. The table and graph below illustrate the past 5 year history of revenue received by the city along with the anticipated revenues of 2016.

## Revenue Trends



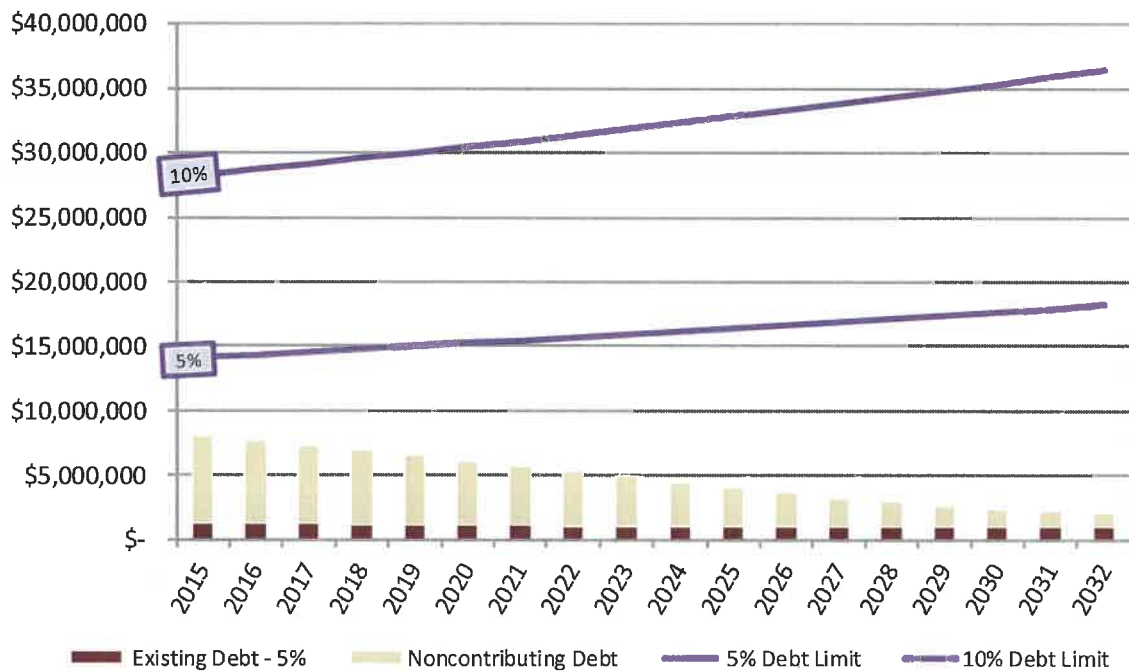
	2012	2013	2014	2015	2016
Property Tax	\$ 757,186	\$ 792,956	\$ 836,994	\$ 897,600	\$ 965,211
Sales and Use Tax	\$ 610,461	\$ 869,697	\$ 890,073	\$ 856,450	\$ 891,950
User Fees	\$ 1,761,687	\$ 1,844,086	\$ 1,845,111	\$ 1,671,294	\$ 1,784,300
License & Fees	\$ 106,358	\$ 157,617	\$ 167,043	\$ 125,060	\$ 143,350
State and County Tax	\$ 15,046	\$ 12,509	\$ 15,405	\$ 12,775	\$ 15,125
Special Assessments	\$ 257,186	\$ 281,976	\$ 280,237	\$ 292,736	\$ 321,696
Grants	\$ 3,817	\$ 106,206	\$ 52,926		
Other	\$ 65,623	\$ 197,112	\$ 63,072	\$ 43,250	\$ 51,950
Project Loans	\$ 44,878	\$ 22,664	\$ 1,883,642		
<b>Grand Total</b>	<b>\$ 3,622,241</b>	<b>\$ 4,284,821</b>	<b>\$ 6,034,504</b>	<b>\$ 3,899,165</b>	<b>\$ 4,173,582</b>

## Debt Service

Public indebtedness for cities is mandated under Article 13 of South Dakota’s state constitution. Referred to as the debt limit for municipalities, the State enforces an amount not to exceed 5% of the city’s total assessed valuation of taxable property. Additional regulations within the constitution allow municipalities to exceed the debt limit, up to 10%, provided specific conditions are met. Projects are evaluated individually and must receive a majority vote from the public in favor of exceeding the statutory limit. Other noncontributing debt includes projects funded by surcharges.

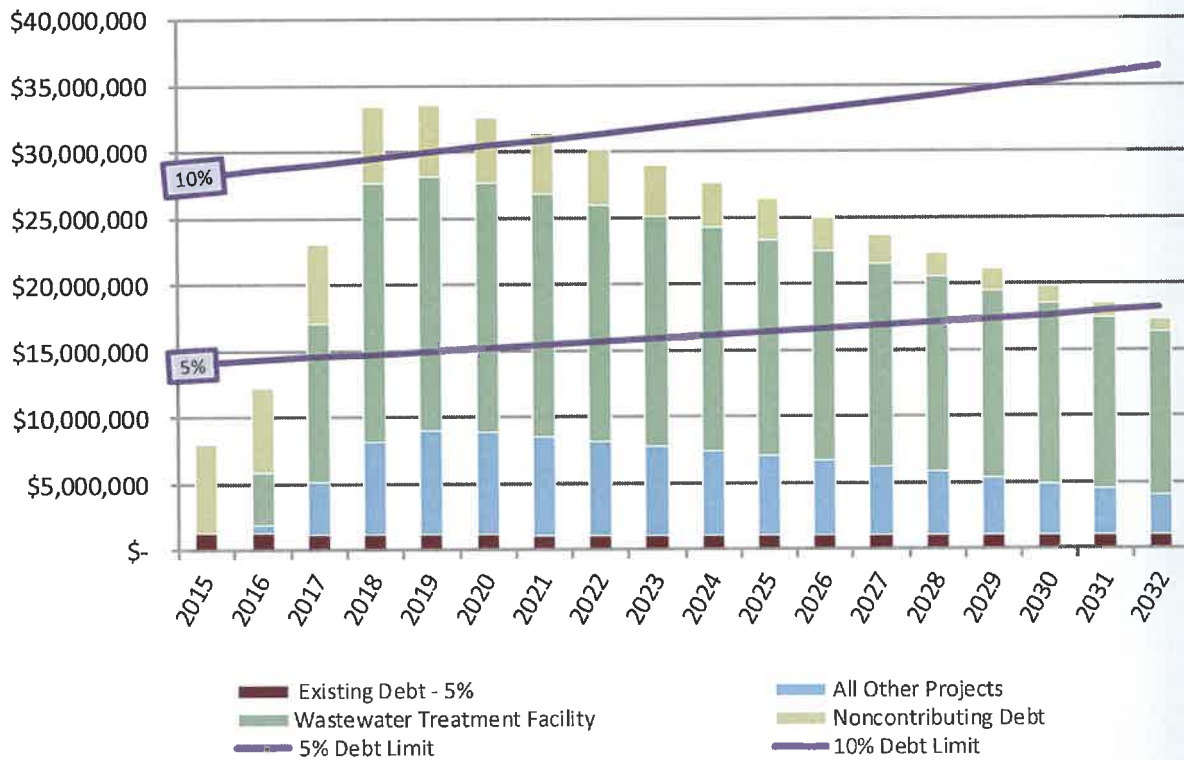
Illustrated below is a chart of the city’s principal debt through the year 2032 in contrast to their debt limit. For the purposes of this report, the city’s assessed tax valuation is assumed to grow at 1.5%. Noncontributing debt is shown separate from contributing debt. Currently, no projects are approved to exceed the 5% debt limit.

### Existing Debt



As the city considers new projects, the debt limit is closely monitored by city staff. The chart below illustrates the addition of debt as proposed in the infrastructure plan of this report. Projects shown above the debt limit will require approval by special election to exceed the 5% threshold governed by the state. The wastewater treatment facility is the prime contributor to the proposed debt. The city has proposed that the wastewater treatment facility will be funded by a surcharge and therefore, will not contribute to the 5% or 10% debt limits.

### Proposed Debt



## 2016 Budget

Each year the city of Harrisburg approves an appropriations ordinance and balanced budget as required by state law. City officials typically review requests and recommendations from city staff and their constituents during the month of August. By the first regular meeting of September, a formal budget is presented to the public and approved by the council. The table below and figure on the following page illustrate the adopted budget for 2016.

### General Government

Attorney	\$	37,500
Capital Outlay	\$	50,000
Administration	\$	114,702
Contingency	\$	30,000
Council	\$	27,100
Elections	\$	1,675
Engineering	\$	112,500
Finance Office	\$	153,423
General Government	\$	82,000
Mayor	\$	7,384
Park	\$	3,015

### Public Safety

Animal Control	\$	1,200
Fire	\$	56,350
Inspection	\$	45,750
Police	\$	237,702
West Nile Prevention	\$	13,091

### Culture and Recreation

Libraries	\$	77,000
Parks	\$	315,743
Recreation	\$	107,830

### Conservation & Development

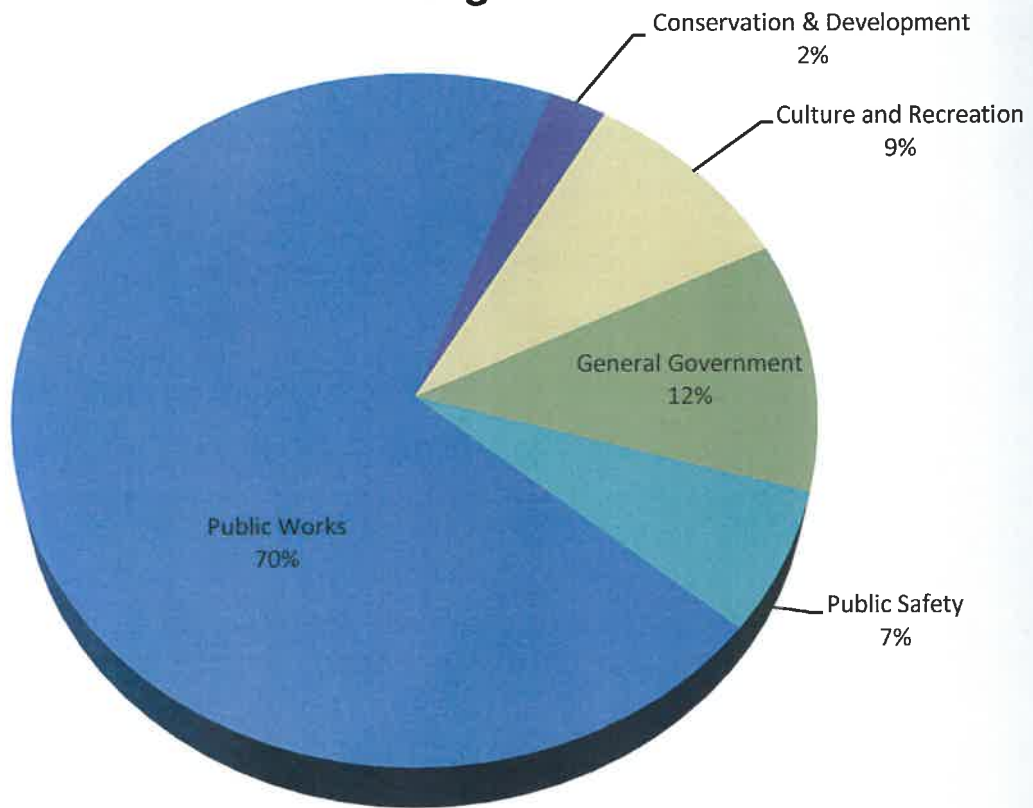
Economic Development	\$	48,564
Planning and Zoning	\$	81,192

### Public Works

Sewer	\$	947,277
Snow Removal	\$	24,950
Storm Drainage	\$	1,036,859
Street Cleaning	\$	12,750
Street Lighting	\$	115,000
Streets and Highways	\$	417,424
Water	\$	1,140,812
Weed Control	\$	15,975

<b>Grand Total</b>	<b>\$</b>	<b>5,314,768</b>
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## 2016 Budget



## Infrastructure Plan

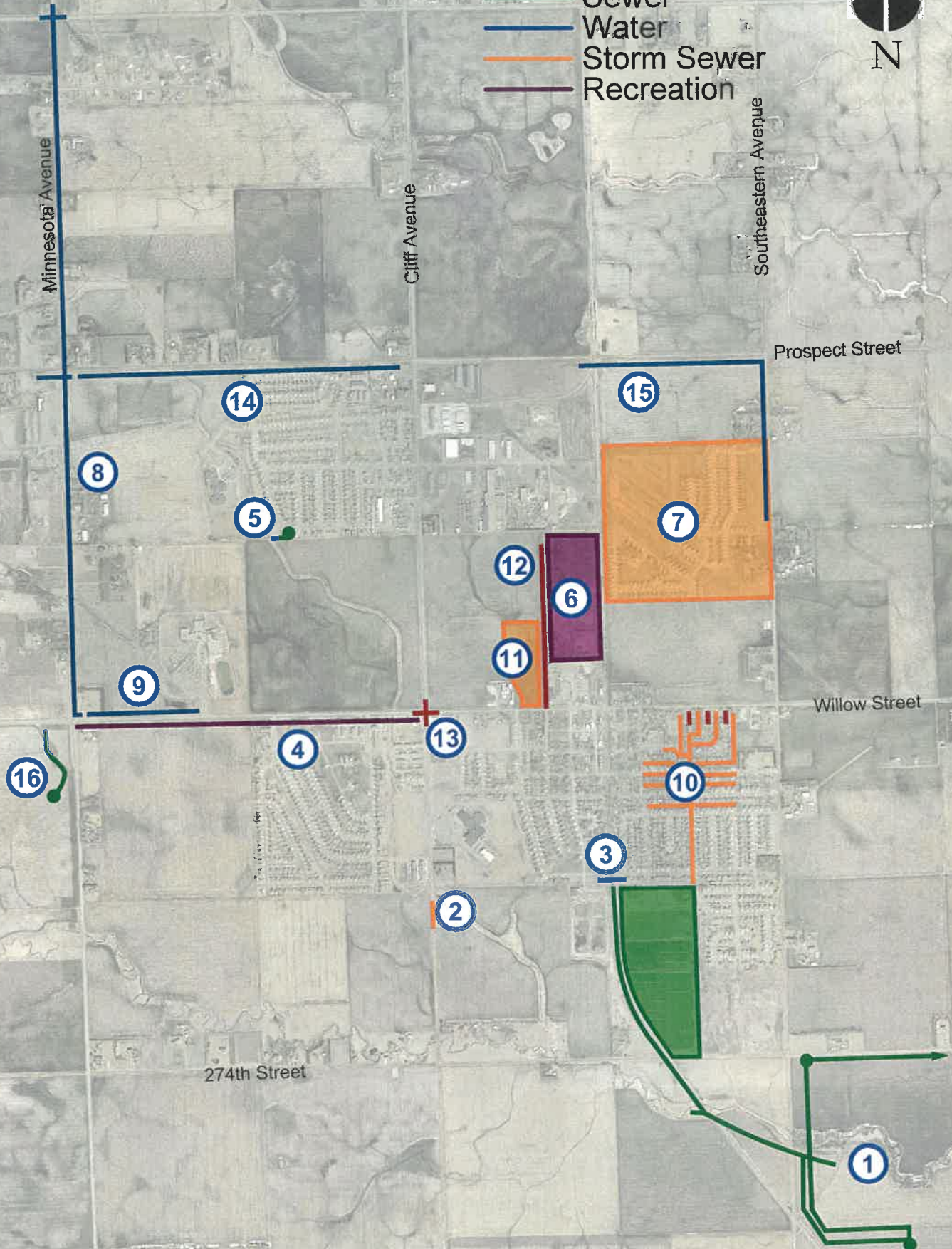
The city's infrastructure plan includes a list of projects recommended by city staff to be completed in the next 5 years. The need for each project is carefully evaluated and prioritized. Projects are scheduled as shown in the table below. Estimated costs have been provided by the city's engineer and are represented in today's dollars. The following page includes an illustrative map of all improvements under consideration. Each individual project is further described in the project sheets that follow.

### 5-Year Capital Plan

No.	Project	2016	2017	2018	2019	2020
1	Wastewater Treatment Facility	\$3,950,000	\$8,000,000	\$8,000,000		
2	South Cliff Avenue Drainage Improvements	\$41,600				
3	Tiger Street Water Main Crossing	\$39,700				
4	Willow Street Recreation Trail	\$737,200				
5	Lift Station Improvements near Freedom Elementary School	\$500,600				
6	Central Park Grading	\$863,000				
7	Legendary Estates Storm Sewer Improvements	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
8	Minnesota Avenue Water Main - Prospect Street to Willow Street		\$1,629,700			
9	West Willow Street Water Main		\$198,900			
10	Sunrise and Meadows Addition Improvements		\$346,000	\$2,467,000		
11	Regional Detention Facility		\$1,144,700			
12	Columbia Street Improvements		\$936,400			
13	Cliff Avenue and Willow Street Intersection Improvements			\$1,403,300		
14	West Prospect Street Water Main			\$521,900		
15	Prospect Street Water Main Improvements - Cliff Ave to Southeastern Ave				\$487,800	
16	Southwest Sanitary Sewer Trunkline				\$868,300	
	<b>Subtotals</b>	<b>\$6,432,100</b>	<b>\$12,555,700</b>	<b>\$12,692,200</b>	<b>\$1,656,100</b>	<b>\$300,000</b>



-  Street
-  Sewer
-  Water
-  Storm Sewer
-  Recreation



## Wastewater Treatment | New Facility Project No. 1

2016-2018

**Project Need:** The current lagoon system has reached its design life largely due to the aggressive growth the city has experienced in the past. It is recommended to build a new treatment facility within the next 5 years to meet current and future needs.



**Engineer's Estimate:\***

General Items	\$4,640,000	23%
Sanitary Sewer	\$11,360,000	57%
Other Items	\$3,950,000	20%
<b>Total</b>	<b>\$19,950,000</b>	

<b>Funding:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
General Fund			
3rd Penny			
Sewer Fund			
Water Fund			
Storm Drainage Fund			
Grants			
Loans (Sewer Fund)	\$3,950,000	\$8,000,000	\$8,000,000
<b>Total</b>		<b>\$19,950,000</b>	



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

**South Cliff Avenue | Drainage Improvements**  
 Project No: 2

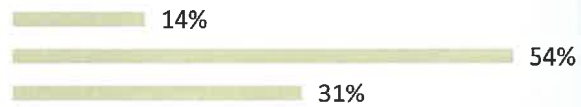
2016

**Project Need:** Drainage along Cliff Avenue south of Willow Street is poor and is creating maintenance issues. Improvements will lower maintenance costs and enhance drainage for the area.



**Engineer's Estimate:\***

General Items	\$6,000
Streets	\$22,600
Other Items	\$13,000
<b>Total</b>	<b>\$41,600</b>



<b>Funding:</b>	<b>2016</b>
General Fund	
3rd Penny	
Sewer Fund	
Water Fund	
Storm Drainage Fund	\$41,600
Grants	
Loans	
<b>Total</b>	<b>\$41,600</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

**Tiger Street | Water Main Crossing**  
 Project No: 3

2016

**Project Need:** The city's water distribution network is lacking a reliable looping system in the southeast quadrant of the city. Adding a crossing at Tiger Street will strengthen the network and provide a more reliable system.



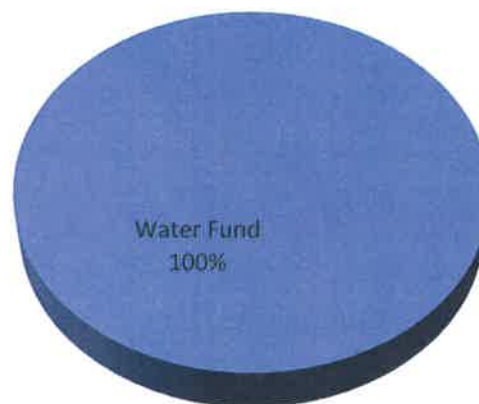
**Engineer's Estimate:\***

General Items	\$6,000
Water Distribution	\$20,700
Other Items	\$13,000
<b>Total</b>	<b>\$39,700</b>



**Funding: 2016**

General Fund	
3rd Penny	
Sewer Fund	
Water Fund	\$39,700
Storm Drainage Fund	
Grants	
Loans	
<b>Total</b>	<b>\$39,700</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

**Willow Street | Recreation Trail**  
 Project No: 4

2016

**Project Need:** The city has received grant money to build a recreational trail. This is a great opportunity to increase the city's aesthetics while improving the current gravel trail for students either walking or biking to the high school.

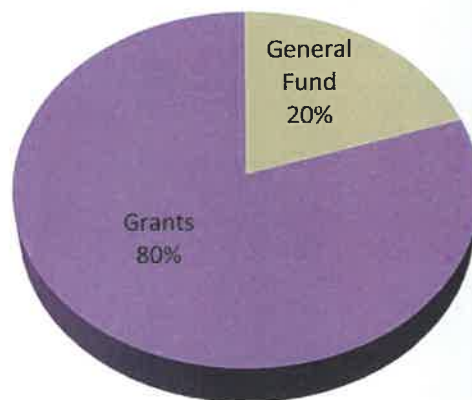


**Engineer's Estimate:\***

General Items	\$76,000
Storm Drainage	\$48,900
Surfacing	\$507,600
Other Items	\$104,700
<b>Total</b>	<b>\$737,200</b>



<b>Funding:</b>	<b>2016</b>
General Fund	\$147,700
3rd Penny	
Sewer Fund	
Water Fund	
Storm Drainage Fund	
Grants	\$589,500
Loans	
<b>Total</b>	<b>\$737,200</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

**Lift Station | Improvements near Freedom Elementary School**  
 Project No: 5

2016

**Project Need:** Improvements to the Lift Station near Freedom Elementary are scheduled to be completed in conjunction with development to the west. Upgrades to the lift station are necessary to support future development in this area.



**Engineer's Estimate:\***

General Items	\$43,200
Sanitary Sewer	\$374,400
Other Items	\$83,000
<b>Total</b>	<b>\$500,600</b>



**Funding:\*\*** **2016**

General Fund	
3rd Penny	
Sewer Fund	\$500,600
Water Fund	
Storm Drainage Fund	
Grants	
Loans	
<b>Total</b>	<b>\$500,600</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

\*\*This project will receive cost recovery funding. The city is responsible for the initial funds but will be reimbursed by various stakeholders over time.

# Central Park Grading

2016

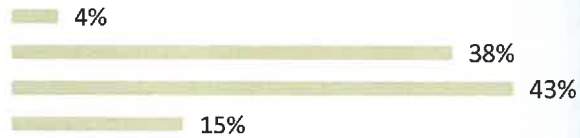
Project No: 6

**Project Need:** Improvements to Central Park are planned over the next several years to upgrade amenities and improve the overall use of the park. The first phase of improvements will be to grade the park and establish elevations for future phases.



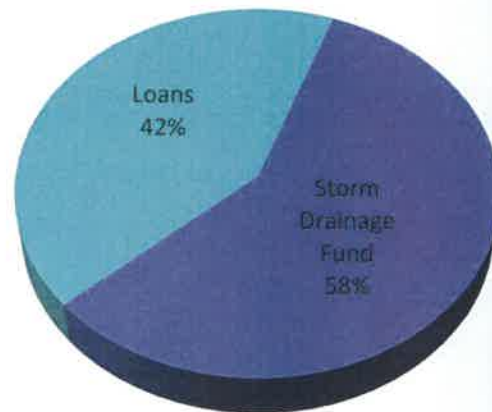
### Engineer's Estimate:\*

General Items	\$34,500
Storm Drainage	\$327,700
Grading	\$373,800
Other Items	\$127,000
<b>Total</b>	<b>\$863,000</b>



### Funding: 2016

General Fund	
3rd Penny	
Sewer Fund	
Water Fund	
Storm Drainage Fund	\$500,000
Grants	
Loans (Drainage Fund)	\$363,000
<b>Total</b>	<b>\$863,000</b>

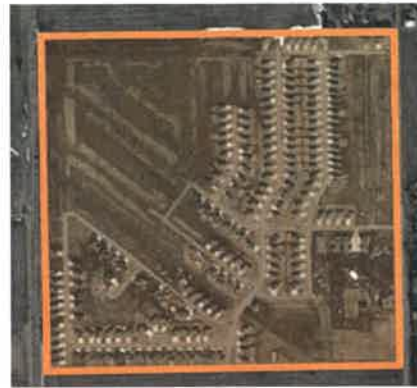


\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

**Legendary Estates | Storm Sewer Improvements**  
Project No: 7

2016-2020

**Project Need:** Properties within the Legendary Estates Addition have experienced severe property damage due to flooding. Improvements to drainage systems are necessary to reduce the amount of flooding and give added protection to property owners.



**Engineer's Estimate:\***

General Items	\$135,000	■ 9%
Storm Drainage	\$1,065,000	■ 71%
Other Items	\$300,000	■ 20%
<b>Total</b>	<b>\$1,500,000</b>	

<b>Funding:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
General Fund					
3rd Penny					
Sewer Fund					
Water Fund					
Storm Drainage Fund					
Grants					
Loans (Drainage Fund)	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
<b>Total</b>					<b>\$1,500,000</b>

\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.



**Minnesota Avenue | Water Main from Prospect St. to Willow St.**  
 Project No: 8

2017

**Project Need:** With development expected to increase along Minnesota Avenue, the need for improved water systems will be critical. The city plans to make these improvements in conjunction with the roadway reconstruction project planned by the SDDOT.



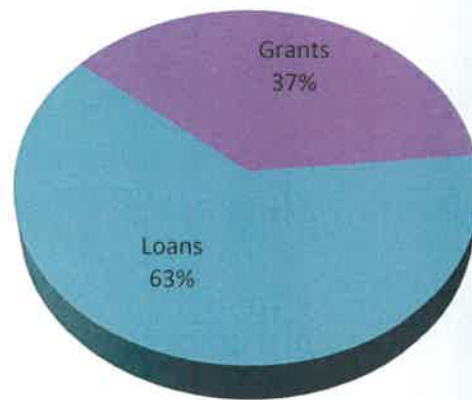
**Engineer's Estimate:\***

General Items	\$125,800
Water Distribution	\$1,048,200
Other Items	\$455,700
<b>Total</b>	<b>\$1,629,700</b>



**Funding: 2017**

General Fund	
3rd Penny	
Sewer Fund	
Water Fund	
Storm Drainage Fund	
Grants	\$609,000
Loans (Water Fund)	\$1,020,700
<b>Total</b>	<b>\$1,629,700</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

## West Willow Street | Water Main improvements

2017

Project No: 9

**Project Need:** Water main improvements along Willow Street are planned to connect the water main along Minnesota Avenue to the city's distribution network. The connection will increase the city's ability to provide water and improve looping within the area.



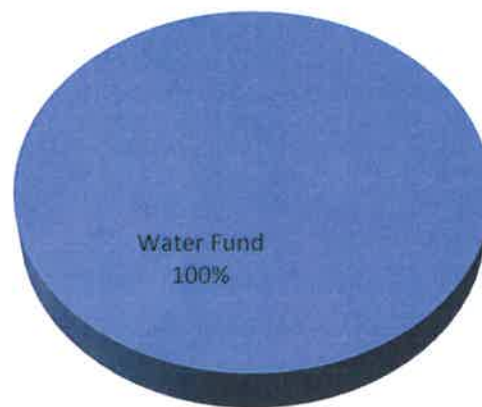
### Engineer's Estimate:\*

General Items	\$18,000
Water Distribution	\$140,900
Other Items	\$40,000
<b>Total</b>	<b>\$198,900</b>



### Funding: 2017

General Fund	
3rd Penny	
Sewer Fund	
Water Fund	\$198,900
Storm Drainage Fund	
Grants	
Loans	
<b>Total</b>	<b>\$198,900</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

**Sunrise and Meadows Addition | General Improvements 2017-2018**  
 Project No: 10

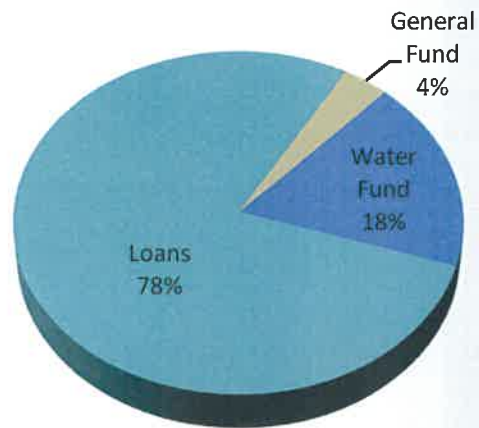
**Project Need:** The Sunrise and Meadows additions are in need of improvements due largely to inadequate drainage and water systems. Improvements will lower future maintenance costs for the city while improving services to customers.



**Engineer's Estimate:\***

General Items	\$243,600	9%
Water Distribution	\$510,200	18%
Storm Drainage	\$644,900	23%
Streets	\$1,068,300	38%
Other Items	\$346,000	12%
<b>Total</b>	<b>\$2,813,000</b>	

<b>Funding:</b>	<b>2017</b>	<b>2018</b>
General Fund		\$100,000
3rd Penny		
Sewer Fund		
Water Fund		\$510,200
Storm Drainage Fund		
Grants		
Loans**	\$346,000	\$1,856,800
<b>Total</b>		<b>\$2,813,000</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

\*\*Loan funding will be repaid from both the general and storm drainage funds. The storm drainage fund will contribute \$644,900 of the principle and resulting interest.

## Regional Detention Facility

2017

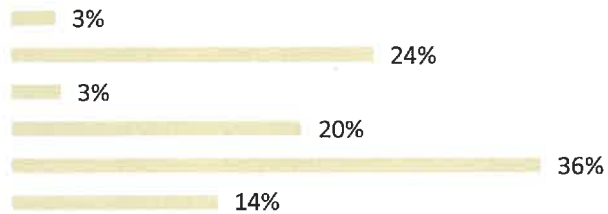
Project No: 11

**Project Need:** The farm land to the west of Liberty Elementary is a flood prone area. Flooding in 2014 caused damage to the school and City Hall among other buildings. The grading improvements will allow this area to serve as regional detention for the current area.



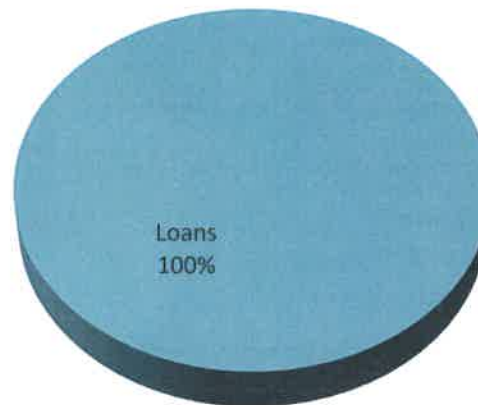
### Engineer's Estimate:\*

General Items	\$34,500
Storm Drainage	\$280,200
Streets	\$38,400
Grading	\$224,300
Land Acquisition	\$408,300
Other Items	\$159,000
<b>Total</b>	<b>\$1,144,700</b>



### Funding:\*\* 2017

General Fund	
3rd Penny	
Sewer Fund	
Water Fund	
Storm Drainage Fund	
Grants	
Loans (Drainage Fund)	\$1,144,700
<b>Total</b>	<b>\$1,144,700</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

\*\*This project will receive cost recovery funding. The city is responsible for the initial funds but will be reimbursed by various stakeholders over time.

# Columbia Street Improvements

2017

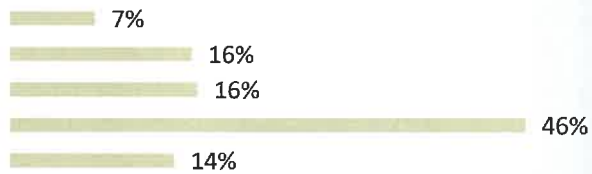
Project No: 12

**Project Need:** Upgrading utilities and extending Columbia Street north will improve access to the park and the surrounding developments. This project is proposed to be completed in conjunction with developments to the west.



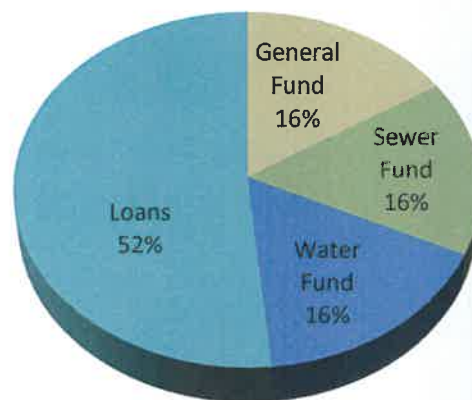
### Engineer's Estimate:\*

General Items	\$70,200
Sanitary Sewer	\$149,500
Water Distribution	\$154,400
Streets	\$427,300
Other Items	\$135,000
<b>Total</b>	<b>\$936,400</b>



### Funding: 2017

General Fund	\$150,000
3rd Penny	
Sewer Fund	\$149,500
Water Fund	\$154,400
Storm Drainage Fund	
Grants	
Loans (General Fund)	\$482,500
<b>Total</b>	<b>\$936,400</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

## Cliff Avenue and Willow Street | Intersection Improvements

Project No: 13

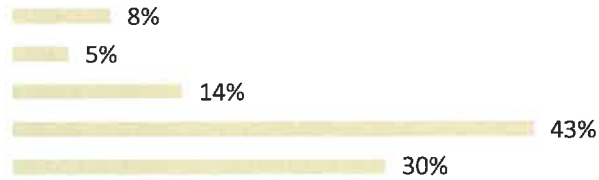
2018

**Project Need:** Traffic counts at this intersection have suggested the need for improvements. Lane widening and traffic signals are being considered to lower congestion and improve traffic flow.

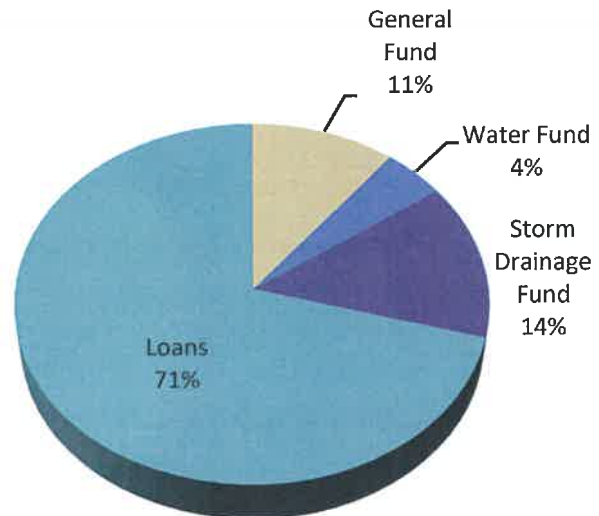


**Engineer's Estimate:\***

General Items	\$114,000
Water Distribution	\$65,300
Storm Drainage	\$196,200
Streets	\$599,800
Other Items	\$428,000
<b>Total</b>	<b>\$1,403,300</b>



Funding:	2018
General Fund	\$150,000
3rd Penny	
Sewer Fund	
Water Fund	\$65,300
Storm Drainage Fund	\$196,200
Grants	
Loans (General Fund)	\$991,800
<b>Total</b>	<b>\$1,403,300</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

**West Prospect Street | Water Main Improvements**  
 Project No: 14

2018

**Project Need:** Water main improvements along Prospect Street are necessary to loop the city's systems in the area. Looping the system will increase pressures in the area and provide a more reliable network to serve customers.

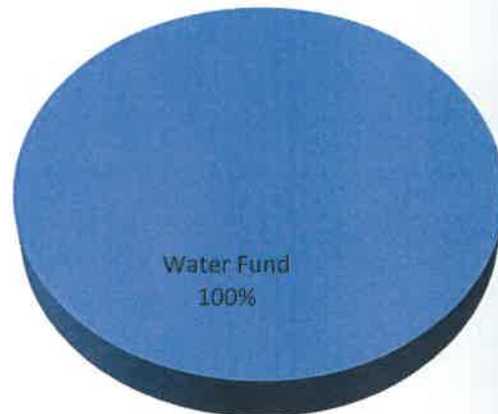


**Engineer's Estimate:\***

General Items	\$45,600
Water Distribution	\$390,300
Other Items	\$86,000
<b>Total</b>	<b>\$521,900</b>



<b>Funding:</b>	<b>2017</b>
General Fund	
3rd Penny	
Sewer Fund	
Water Fund	\$521,900
Storm Drainage Fund	
Grants	
Loans	
<b>Total</b>	<b>\$521,900</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

**Prospect Street | Water Main Improvements from Cliff to Southeastern Ave. 2019**  
 Project No: 15

**Project Need:** Water mains along Prospect Street and Southeastern Avenue will be necessary as the city continues to grow. The construction of a new water main in this area will increase the city’s ability to deliver water to customers and provide a more reliable distribution network.



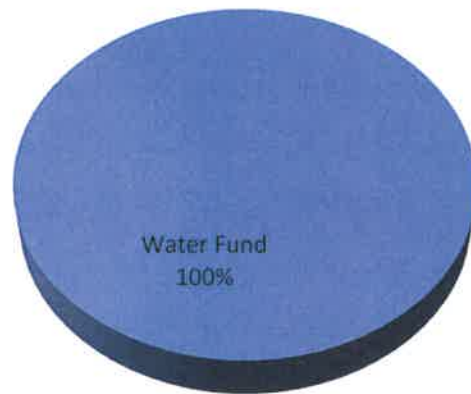
**Engineer’s Estimate:\***

General Items	\$43,200
Water Distribution	\$363,600
Other Items	\$81,000
<b>Total</b>	<b>\$487,800</b>



**Funding: 2019**

General Fund	
3rd Penny	
Sewer Fund	
Water Fund	\$487,800
Storm Drainage Fund	
Grants	
Loans	
<b>Total</b>	<b>\$487,800</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.



## Southwest Sanitary Sewer Trunkline

Project No: 16

2019

**Project Need:** A new lift station and force main system is needed to serve properties within the immediate area of Minnesota Avenue and Willow Street. As properties develop, the need for sewer service will become more critical.



### Engineer's Estimate:\*

General Items	\$74,400
Sanitary Sewer	\$665,900
Other Items	\$128,000
<b>Total</b>	<b>\$868,300</b>



### Funding: 2019

General Fund	
3rd Penny	
Sewer Fund	
Water Fund	
Storm Drainage Fund	
Grants	
Loans	\$868,300
<b>Total</b>	<b>\$868,300</b>



\*Cost estimates were made assuming current (2016) conditions. Actual costs may change due to inflation, contractor workload, availability of materials, etc.

\*\*This project will receive cost recovery funding. The city is responsible for the initial funds but will be reimbursed by various stakeholders over time.

## Administration and Major Equipment Expenditures

<b>ADMINISTRATION</b>	2016	2017	2018	2019	2020	2021	Totals
City Engineering Fees (General Fund)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
GIS (town) (All Funds)		\$ 7,500					\$ 7,500
Full Time Maintenance Employee (All Funds)		\$ 40,000	\$ 42,000	\$ 44,000	\$ 46,000	\$ 48,000	\$ 220,000
<i>Administration Annual Total</i>	\$ 100,000	\$ 147,500	\$ 142,000	\$ 144,000	\$ 146,000	\$ 148,000	\$ 827,500

<b>MAJOR EQUIPMENT</b>	2016	2017	2018	2019	2020	2021	Totals
<b>All Departments (General (1/2), Water (1/4), Sewer (1/4))</b>							
Pickup (Replacement)		\$ 32,000		\$ 33,500		\$ 35,000	\$ 100,500
Light Duty Truck (1 ton) (Replacement)					\$ 20,000		\$ 20,000
Tool Cat (Replacement)			\$ 50,000				\$ 50,000
Tool Cat/Skid Steer attachments			\$ 15,000				\$ 15,000
Skid Steer					\$ 40,000		\$ 40,000
Backhoe (Replacement)						\$ 90,000	\$ 90,000
PayLoader with snow plow (Replacement)			\$ 155,000				\$ 155,000
Small Loader Attachments (Snow Plow and Blower)		\$ 25,000					\$ 25,000
Pull Type Air Compressor with accessories				\$ 25,000			\$ 25,000
Backup Generator (Replacement - shop) 250KW				\$ 30,000			\$ 30,000
Pull Type Generator					\$ 35,000		\$ 35,000
Laser or Transit Level			\$ 1,500				\$ 1,500
Sprayer (Pull type) with controls		\$ 3,500					\$ 3,500
<b>Streets (General Fund)</b>							\$ -
Snow Plow Dump Truck with blade, a sander or sidewinder box	\$ 50,000	\$ 150,000				\$ 155,000	\$ 355,000
Sweeper (Replacement)				\$ 200,000			\$ 200,000
Grader (Lease)			\$ 25,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 106,000
Roller (Replacement)		\$ 8,000					\$ 8,000
Mower Tiger (to mow ditches)					\$ 45,000		\$ 45,000
Construction Sign Trailer			\$ 5,000				\$ 5,000
<b>Water (Water Fund)</b>							\$ -
Pipe Locator		\$ 4,000					\$ 4,000
(Cellular) for Wastewater		\$ 28,000					\$ 28,000
Auto Meter Reading System (Office)		\$ 85,000	\$ 200,000	\$ 200,000			\$ 485,000
<b>Sewer (Sewer Fund)</b>							\$ -
Aerators (Pond 2)		\$ 130,000					\$ 130,000
Vactor Truck Replacement					\$ 150,000		\$ 150,000
Lift Station Improvements		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
<b>Parks (General Fund)</b>							\$ -
Mower (Zero-Turn)					\$ 15,000		\$ 15,000
Self Propelled bat wing mower						\$ 85,000	\$ 85,000
Spraying equipment (Update)				\$ 3,500			\$ 3,500
Small Boom Truck (25 ft ish)					\$ 28,000		\$ 28,000
<i>Major Equipment Annual Total</i>	\$ 50,000	\$ 490,500	\$ 476,500	\$ 543,000	\$ 385,000	\$ 418,000	\$ 2,363,000

## Street Maintenance and Buildings

<b>STREET MAINTENANCE (General Fund)</b>	2016	2017	2018	2019	2020	2021	Totals
Chip Sealing/Crack Sealing	\$ 85,000	\$ 105,000	\$ 110,000	\$ 115,000	\$ 120,000	\$ 125,000	\$ 660,000
Mill and Overlay							\$ -
Lighting Maintenance							\$ -
Gravel Road Maintenance		\$ 20,000	\$ 20,600	\$ 21,200	\$ 22,000		\$ 83,800
<i>Street Maintenance Total</i>	<i>\$ 85,000</i>	<i>\$ 125,000</i>	<i>\$ 130,600</i>	<i>\$ 136,200</i>	<i>\$ 142,000</i>	<i>\$ 125,000</i>	<i>\$ 743,800</i>

<b>BUILDINGS (General Fund)</b>	2016	2017	2018	2019	2020	2021	Totals
Maintenance Building Addition (2 stalls)		\$ 300,000					\$ 300,000
Level ground around shop (asphalt or concrete lot)			\$ 35,000				\$ 35,000
Large Sand/Salt Shed				\$ 15,000			\$ 15,000
Seal coat maintenance shop floor		\$ 5,000					\$ 5,000
Add additional office/breakroom space at maintenance building					\$ 75,000		\$ 75,000
<i>Building Total</i>	<i>\$ -</i>	<i>\$ 305,000</i>	<i>\$ 35,000</i>	<i>\$ 15,000</i>	<i>\$ 75,000</i>	<i>\$ -</i>	<i>\$ 430,000</i>

## Major Infrastructure Expenditures

General Fund		2016	2017	2018	2019	2020	2021	Totals
4	Willow Street Recreational Trail	Cash \$ 147,700						\$ 147,700
		Loan						\$ -
10	Sunrise and Meadows Addition Improvements	Cash	\$ -	\$ 100,000				\$ 100,000
		Loan		\$ 23,257	\$ 103,371	\$ 103,371	\$ 103,371	\$ 333,370
10	Columbia Street Improvements	Cash	\$ 150,000					\$ 150,000
		Loan	\$ -	\$ 32,432	\$ 32,432	\$ 32,432	\$ 32,432	\$ 129,726
12	Cliff Avenue and Willow Street Intersection Improvements	Cash		\$ 150,000				\$ 150,000
		Loan			\$ 66,665	\$ 66,665	\$ 66,665	\$ 199,994
<b>General Fund Total</b>		<b>Cash</b>	<b>\$ 147,700</b>	<b>\$ 150,000</b>	<b>\$ 305,688</b>	<b>\$ 202,467</b>	<b>\$ 202,467</b>	<b>\$ 1,210,790</b>

Sewer Fund		2016	2017	2018	2019	2020	2021	Totals
1	Wastewater Treatment Facility	Cash	\$ -	\$ -	\$ -	\$ 1,017,834	\$ 1,017,834	\$ 3,864,709
		Loan	\$ 201,526	\$ 609,680	\$ 1,017,834	\$ 1,017,834	\$ 1,017,834	\$ -
5	Lift Station Improvements near Freedom Elementary School	Cash	\$ 500,600					\$ 500,600
		Loan						\$ -
12	Columbia Street Improvements	Cash	\$ 149,500					\$ 149,500
		Loan						\$ -
16	Southwest Sanitary Sewer Trunkline	Cash				\$ -		\$ -
		Loan				\$ 58,363	\$ 58,363	\$ 116,727
<b>Sewer Fund Total</b>		<b>Cash</b>	<b>\$ 500,600</b>	<b>\$ 351,026</b>	<b>\$ 609,680</b>	<b>\$ 1,017,834</b>	<b>\$ 1,076,198</b>	<b>\$ 4,631,536</b>

Water Fund		2016	2017	2018	2019	2020	2021	Totals
3	Tiger Street Water Main Crossing	Cash	\$ 39,700					\$ 39,700
		Loan						\$ -
8	Minnesota Avenue Water Main	Cash	\$ -					\$ -
		Loan		\$ 68,607	\$ 68,607	\$ 68,607	\$ 68,607	\$ 274,428
9	West Willow Street Water Main Improvements	Cash	\$ 198,900					\$ 198,900
		Loan						\$ -
10	Sunrise and Meadows Addition Improvements	Cash	\$ -	\$ 510,200				\$ 510,200
		Loan						\$ -
12	Columbia Street Improvements	Cash	\$ 154,400					\$ 154,400
		Loan						\$ -
13	Cliff Avenue and Willow Street Intersection Improvements	Cash		\$ 65,300				\$ 65,300
		Loan						\$ -
14	West 272nd Street Water Main Improvements	Cash		\$ 521,900				\$ 521,900
		Loan						\$ -
15	272nd Street Water Main Improvements	Cash			\$ 487,800			\$ 487,800
		Loan						\$ -
<b>Water Fund Total</b>		<b>Cash</b>	<b>\$ 39,700</b>	<b>\$ 353,300</b>	<b>\$ 1,166,007</b>	<b>\$ 556,407</b>	<b>\$ 68,607</b>	<b>\$ 2,252,628</b>

Storm Drainage Fund		2016	2017	2018	2019	2020	2021	Totals
2	South Cliff Avenue Drainage Improvements	Cash	\$ 41,600					\$ 41,600
		Loan						\$ -
6	Central Park Grading	Cash	\$ 500,000					\$ 500,000
		Loan	\$ 24,399	\$ 24,399	\$ 24,399	\$ 24,399	\$ 24,399	\$ 121,997
7	Legendary Estates Storm Sewer Improvements	Cash	\$ -	\$ -	\$ -	\$ -		\$ -
		Loan	\$ 20,165	\$ 40,329	\$ 60,494	\$ 80,659	\$ 100,824	\$ 302,471
10	Sunrise and Meadows Addition Improvements	Cash	\$ -	\$ -				\$ -
		Loan			\$ 43,347	\$ 43,347	\$ 43,347	\$ 130,042
11	Regional Detention Facility	Cash	\$ -					\$ -
		Loan		\$ 76,942	\$ 76,942	\$ 76,942	\$ 76,942	\$ 307,767
13	Cliff Avenue and Willow Street Intersection Improvements	Cash		\$ 196,200				\$ 196,200
		Loan						\$ -
<b>Storm Drainage Fund Total</b>		<b>Cash</b>	<b>\$ 541,600</b>	<b>\$ 44,564</b>	<b>\$ 337,871</b>	<b>\$ 205,183</b>	<b>\$ 225,347</b>	<b>\$ 1,600,077</b>