

Capital Improvement Plan

City of Harrisburg, South Dakota 2021 – 2025

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Introduction

The Capital Improvement Plan (CIP) is a master planning tool applied to sustain our existing infrastructure while making strategic investments for the future. The program prioritizes and plans the rehabilitation, replacement, and expansion of the public drinking water, wastewater, stormwater, transportation, and parks infrastructure and facilities over the next five years. This plan contains all individual capital projects and studies planned in the next five years. This plan also incorporates the capital budget of the capital program into overall financial capacity of the City to ensure proposed projects are feasible in the planned timeframe.

Each utility program section includes a list of capital projects and studies, with project descriptions of purpose and justification, along with cost estimates and funding options. The remainder of the program expenditures are also estimated for the CIP timeframe. Revenues are then discussed and projected, with recommendation and justification of user rates. And lastly the overall budget of program over the timeframe is reviewed.

Please note that budgets from previous years have been simplified in this report and are presented primarily to portray historic ratios and trends of the various expenditure and revenue categories. The actual City budgets are kept with the City Finance Office. Also consider that future expenditure and revenue projections may be inaccurate to actual future values, and projects costs are estimations based on preliminary data. And future budgets are only approved by City Council and undergo rigorous annual review by City staff, and user rates require Council approval as well. As a result, the Capital Improvement Plan may require adjustment.

Capital Improvement Plan Process

The capital improvement program planning process begins annually in October. From October through December staff develops potential projects to incorporate into the next CIP. Staff then presents the draft CIP to the Planning and Zoning Board beginning in January. The CIP is discussed and adjusted throughout the months of January through March with opportunities for public comment at Planning and Zoning Board meetings. Public input is also accepted throughout the year via direct contact with staff, board members, City councilors, and the mayor. A finalized list of projects is developed in April and these projects are prioritized by staff and the Planning and Zoning Board. The prioritized list of projects is then presented to the City Council in July and these projects are incorporated into the budget process in July and August. The budget is typically finalized by September and the CIP document is finalized. The process begins again in October.

Project Prioritization

All projects are evaluated and prioritized systematically based on nine different considerations, as shown below. Prioritization is a necessary step in the process due to the limited resources of each utility. Each of these categories are weighted by perceived importance. The categories and their weighting factors are identified by staff and reviewed by the Planning and Zoning Board, which can be adjusted at the beginning of the CIP process each year. Each project is scored 1 through 10, with 10 being the most important, for each of the nine priorities.

	Priority Consideration	<u>Weight</u>
1.	Health & Safety and Risk Reduction	1.8
2.	Regulatory or Legal Requirements	1.7
3.	Fiscal Responsibility	1.6
4.	Strategic Importance	1.5
5.	System Preservation & Maintenance	1.4
6.	Economic Impact	1.2
7.	Public Value, Demand, & Equity	1.1
8.	Quality of Life	1.0
9.	Environmental Stewardship	1.0

Every year the Planning and Zoning Board, City Engineer, Public Works Director, Assistant Public Works Director, City Planner, Finance Officer, and City Administrator perform this exercise of prioritizing identified projects. These are then assembled to form the final prioritization list. The finalized list for the 2021-2025 Capital Improvement Plan is shown below. This list will be reconsidered beginning in 2021 for the 2022- 2026 CIP, with projects completed or budgeted in 2021 removed, and additional identified projects added. Then the list will be reprioritized.

All identified projects are considered and prioritized, but this process does not identify a definite timeline of completion nor provides any guarantee that the project will occur at all. Also note that even previously determined project timelines may require adjustments due to additional considerations or fiscal constraints. And that ultimately the annual budget process determines the projects that occur in each fiscal year.

PRIORITIZED	PROJECTS	2021-2025	CIP
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Number	Project Name	Score	Overall Rank	Rank By	Rank By Group
T1	Cliff and Willow Intersection Improvements	87.6	1	1	1
T2	Cliff Ave Traffic Improvements	66.9	2	2	2
T3	Willow St Traffic Improvements	63.8	6	4	3
T4	Downtown Willow St Parking Improvements	52.7	16	8	4
 T5	Southeastern Ave Paving - Willow to Perry	49.4	10	11	5
T6	Prospect St Paving - Minnesota Ave to Cliff Ave	46.4	22	13	6
T7	Prospect St/Southeastern Ave Paving – Railroad Crossing to Legendary Estates	43.3	26	17	7
Т8	Prospect St Paving - Dynamic Addn to Railroad Crossing	40.7	29	18	8
<u>тэ</u>	Prospect St Paving - Western Ave to Minnesota Ave	26.5	39	20	9
T10	Augustana Ave Mill & Overlay	54 1	15	7	1
T11	Cottonwood Dr & Chokecherry St Mill & Overlay	50.8	17	9	2
T12	Almond Ave & Lois Ln Mill & Overlay	49.6	18	10	3
T13	Maple St & Emmet Trl Mill & Overlay	48.9	20	12	4
T14	Spruce St Mill & Overlay	45.2	23	14	5
T15	Prairie Ave Reconstruction (with sewer improvements)	57.4	12	5	1
T16	Elm St Reconstruction (with sewer, water, and drainage improvements)	44.2	24	15	2
T17	Main St Reconstruction (with drainage improvements)	43.5	25	16	3
T18	Elm St/Main St Alley Paving	32.2	37	19	4
T19	Willow St Railroad Crossing Sidewalk Improvements	64.4	4	3	1
T20	South Cliff Ave Sidewalk	56.7	13	6	2
SW1	Southeastern Ave Channel Regrading- Maple St to Willow St	66.5	3	1	1
SW2	Green Meadows Southeast Pond & Channel Mucking	58.0	10	3	2
SW3	Homesites Addn Channel Clearing	47.7	21	4	3
SW4	Southeast Area Improvements Phase 1	58.2	9	2	1
SW5	Macey & Legendary Collection System	41.0	28	5	1
SW6	Perry & Legendary Collection System	39.7	30	6	2
SW7	Perry & Brannon Collection System	39.6	31	7	3
SW8	Adrianna & Legendary Collection System	38.8	32	8	4
SW9	Honeysuckle & Rosewood Collection System	37.6	33	9	5
SW10	Shebal & Cedar Collection System	37.4	34	10	6
SW11	Emmett & Maple Collection System	35.7	35	11	7
SW12	Adrianna & Quinn Collection System	35.5	36	12	8
WW1	Nine Mile Creek Trunk Line Phase 1	64.2	5	1	1
WW2	Shebal Ave Trunk Line	63.5	7	2	2
WW3	Side Stream Trunk Line	57.9	11	3	3
DW1	Creekside Addn to Industrial Park Water Main	58.5	8	1	1
DW2	Homesites Addn to Industrial Park Water Main	54.8	14	2	2
DW3	Kent St Water Main Upsizing	43.3	27	3	4
DW4	North Water Tower	26.8	38	4	5

Storm Drainage Program

The storm drainage program includes the maintenance and improvement of the storm drainage system of the City. This system includes 32,000 feet of storm sewer pipe, 230,000 feet of gutter, and 260 inlets and junction boxes, over 60,000 feet drainage ditches and channels, and five detention facilities. The storm drainage program funds are mainly applied to maintenance and improvement projects, studies, and loan repayment. The charts below show the annual breakdown of all expenditures from the previous five years and the planned five years for this CIP. Provided further below are details of the planned expenditures.







Capital Improvements

Engineering Studies

2021: Stormwater Regional BMP Plan - \$50,000

A Regional BMP Plan is planned for 2021 to determine more accurate cost estimates for CIP planning and setting more appropriate development fee amounts. Several regional BMPs may be necessary within 10 years, and the City must begin preparing for funding these now.

2021: Drainage Fee Rate Study Update - \$0

The storm water assessment fee rates will be reevaluated in 2021 with consideration of the updated CIP needs and future improvements. The weighting factor will also be reevaluated for each zoning and land use types. This will be performed inhouse. An in depth fee rate study should be planned every five years thereafter.

2022: Southeast Area Master Improvements Preliminary Plan - \$100,000

The City completed a facilities plan in 2019 of the southeast area which identified system wide improvements to the stormwater, wastewater, drinking water, and transportation systems. The next step in the process is to complete a preliminary design of the overall improvements. The overall study is budgeted at \$150,000 across the four infrastructure categories involved, with \$100,000 for stormwater due to the stormwater modeling and detention facility design needs. Efforts beyond this preliminary study will be included in the CIP as a project.

2024: Nine Mile Creek Tributaries Basins Master Drainage Plan - \$150,000

The City has been systematically studying and modeling the drainage system and surrounding drainage basins to determine future improvement needs in developed and undeveloped areas. The tributaries to Nine Mile Creek upstream of Highway 11 are the next basins expecting development beyond the basins already studied.

2025: East Central Basin Master Drainage Plan – \$50,000

As previously stated, the City has been systematically studying and modeling the drainage system and surrounding drainage basins. The East Central Basin upstream of Highway 11 is next to be studied. This will complete the planned modeling efforts of all basins within the City's current expected growth area.

<u>Major Stormwater Improvements:</u> Major construction projects consist of larger one time projects, such as area reconstructs and regional ponds.

Lincoln Meadows Detention Facility 2021: Construction - \$100,000 2021: Land Acquisition - \$100,000 In late 2020, the City had the unique opportunity to purchase the property necessary to provide detention to the southeast area of the City that was originally constructed without detention. It would be cost effective to complete the construction of the pond in the similar timeframe.

Southeast Area Improvements - Phase 1: Perry Lane and Detention Facility

2023: Design - \$100,000

2024: Construction - \$2,150,000

The City completed a facilities plan of the southeast area in 2019 which identified system wide improvements to public utilities. A preliminary design of the overall improvements is planned in 2022 (included as a study). In 2023 the final design of the first phase would be conducted, including the drainage detention facility and stormwater trunk line along Perry Lane, at an estimated design cost of \$100,000. Construction of the stormwater portion of these improvements estimated at \$2,150,000 is planned for 2024. A loan, likely from the State Revolving Fund loan program from the SDDENR, is necessary to fund the construction of these improvements. Assuming a 20 year term loan at 3% interest results in an expected debt obligation of \$137,000 beginning in 2025.

Detention & Conveyance Maintenance & Improvements: The City owns and maintains five detention facilities, and this number is expected to increase as every future development will require another pond facility. Periodically these ponds require sediment and vegetation removal to maintain capacity and reduce nuisances such as animals. The City will endeavor to address maintenance needs of one pond annually. It is estimated that on average this activity will cost \$50,000 per year. There are also several drainage channels throughout the City that require periodic cleaning for similar reasons. It is estimated that an annual effort equating to a cost of \$50,000 per year will be sufficient to address these needs. Design and construction administration of these projects will often be performed inhouse. The current prioritization is shown below. While not all years have identified improvements, this same construction cost amount will be planned in years with unidentified projects.

	Pond	<u>Channel</u>
2021:	Industrial Park	Homesites, Southeast, Legendary Misc.
2022:	NW Green Meadows	Creek at Green Meadows
2023:	SE Green Meadows	Downstream Columbia Basin
2024:	Legendary Estates	Creek at Homesites
2025:	(Not Yet Identified)	(Not Yet Identified)

Stormwater Concrete Repairs & Improvements: There are over 230,000 linear feet of gutter and 260 inlets and junction boxes in the City that convey stormwater. Settling, deicing chemicals, and snow plow damage all contributes to diminishing the condition of these assets. As a result, these structures require frequent upkeep to maintain an acceptable working condition. These repairs are conducted at various locations throughout the City annually and are highly dependent on the prior year's damage that occurred. It is estimated that an annual effort equating to a cost of \$50,000 per year will be sufficient to address these ongoing needs. In 2021, a reduced effort totaling \$30,000 is planned due to budget constraints. Design and construction administration of these projects will often be performed inhouse.

<u>Minor Flows Improvements</u>: Nuisance drainage flows attracts mosquitoes, animals, and creates excess vegetation. The cause of these nuisance issues is often sump pump discharges from residential properties and gutters or natural channels without sufficient slope. The City monitors locations of frequent sump pump discharge and has identified several improvement projects that involve installation of pipes to collect these flows. Many of these individual projects will have a construction cost of less than \$50,000. The City will endeavor to improve at least one location annually. The current prioritization is shown below. While not all years have identified improvements, this same construction cost amount will be planned in years with unidentified projects. The project for 2021 includes nuisance flows improvement but also addresses some regrading needed to protect properties from flooding, resulting in a uniquely higher overall cost. Design and construction administration of these projects will often be performed inhouse.

- 2021: Macey Ave Area Collection System & Grading
- 2022: Legendary Dr Area & Emmet Trl Area Collection Systems
- 2023: Raven Ave Area Collection System
- 2024: Brannon Dr Area Collection System
- 2025: (Not Yet Identified)

<u>Development Oversizing Reimbursement:</u> The City generally will reimburse development that must oversize stormwater pipe and facilities to accommodate upstream drainage. Below are anticipated requests. There are no expected requests for 2021 or 2022. A budget amount of \$50,000 will be placed in 2024 and 2025 for unidentified requests.

The Mydland Estates development is planning to construct a regional pond that will alleviate drainage issues in the area. The pond system construction is expected to be complete by 2023. The City and the developer are currently determining the exact oversizing reimbursement costs associated with the endeavor; at this time this cost is estimated at \$300,000. Reimbursement would likely be requested in 2023.

<u>Land Acquisition</u>: From time to time land acquisition may be needed for future projects or existing drainage issues. In 2021, \$100,000 is allocated toward purchasing land for a detention facility in the southeast area. From year 2022 through 2025, \$10,000 will be planned for future unidentified land acquisition needs.

Expenditures Estimation

<u>Pipe Televising</u>: There are over 32,000 linear feet of storm sewer pipe in the City that convey stormwater. In order to determine the condition of these assets, and identify and plan for necessary improvements and repairs, the City must televise these pipes. The expected cost to televise all the pipes is \$25,000 and is planned for 2021 and the City should endeavor to re-televise all pipes once every five years.

<u>Equipment & Supplies</u>: Various equipment and supplies are necessary for implementation of the stormwater program. These are relatively minor costs and tend to be smaller items, such as a portion of a piece of equipment shared with other utilities, software, or various tools. In 2021 the budgeted amount is \$6,000. \$10,000 is estimated annually for the remainder of this CIP.

<u>Debt Service:</u> The City has one current debt obligation associated with the stormwater program. This is for the Columbia Basin Stormwater Improvement Project. The annual cost is approximately \$98,000 and matures in 2033. The Southeast Area Project planned in 2024 is expected to add a debt obligation of \$137,000 per year, bringing the total to \$235,000 annually. With this added loan, debt service will account for approximately one third of the expected revenues, and so additional loans are likely not financially feasible until one of these are paid off or matures.

Revenues Projections

The storm drainage program receives revenues from a few difference sources, but large portion is obtained from the storm drainage fee. The charts below show the annual revenues from the previous five years and the projected five years for this CIP. Provided further below are details of these revenues.







Storm Water Assessment Fee: The annual storm drainage fees are the major source of funding for stormwater initiatives. These are collected with the property taxes on parcels within the City. The fee is determined by the parcel size, a weighting factor based on expected contribution to stormwater flows, and a unit charge. For this CIP, revenues assume a 6% user growth rate for 2021 and a conservatively estimated rate of 4% for the years 2022 through 2025. The fee increase for 2021 is 3.5%. For years 2022 through 2025, an annual fee increase of approximately 5% on average is planned. Construction cost inflation in this region is often in the realm of 5% and the overwhelming majority of the stormwater budget involves in construction, justifying the need for this percentage increase. The chart below shows the annual revenues from the storm drainage fee from the previous five years and the projected five years for this CIP, as well as the unit rates, a typical rate per 1,000 square feet of property of a residential property, and the percent increase of those annually.



Miscellaneous: There are also other miscellaneous revenues that total approximately \$1,000 annually.

Storm Water Basin Development Fee: In 2019 a basin development fee was put in place for costs associated with planned regional BMP/detention pond facilities. These revenues are in a separate fund and can only be applied to regional facilities costs. This fee was set at \$100 per parcel until more accurate cost estimates of the improvements are completed. In recent years approximately 100 parcels are platted annually in the City, equating to an annual revenue of \$10,000 conservatively expected for the 2021-2025 CIP timeframe. Once more accurate cost estimates of these improvements are determined, this revenue is expected to increase, but that increase amount cannot be estimated at this time.

<u>General Fund Supplement:</u> In previous years when expenditures exceeded revenues provided by stormwater fees, the general fund supplemented this budget. Moving forward with the planned 5% annual fee increase (to keep up with inflation), the storm drainage program is expected to be self sufficient and general funds are not expected to be necessary in the 2021-2025 CIP.

Budget Summary

Over the timeframe of this CIP the storm water program will be self sufficient and able to appropriately maintain and improve this infrastructure system with rate increases as proposed to keep with inflation, while still maintaining a healthy reserve fund. The charts below show the budget from the previous five years and the projected five years for this CIP.

The storm drainage fund is projected to have a reserve of approximately \$800,000 at the beginning of 2021. While some reserve balance should always endeavor to be maintained, it is often considered appropriate to use these funds for one time expenditures, such as special projects. Maintaining a reserve amount of one year's budget should be a goal. If enough is saved over a period of years, it could be applied to a large upcoming project, allowing the City to avoid additional debt. Over this CIP timeframe the reserve amount will fluctuate but expected to balance at \$606,000 in 2025, a \$194,000 decrease over this period. However, the ending reserve balance is comparable to the revenue at that time, indicating a healthy fund.





Wastewater Program

The wastewater program includes the operations, maintenance, and improvement of the wastewater system of the City. This system includes 165,000 feet of sanitary sewer pipe, 685 manholes, seven lift stations, and currently a lagoon treatment system. A mechanical treatment system is currently in construction and will be operational in the fall of 2021. Wastewater program includes capital improvements, employee costs, equipment, operations, Sioux Falls wastewater treatment, and loan repayment. Once the new wastewater treatment facility is operational, Sioux Falls treatment costs will be phased out with the City's own treatment costs. The charts below show the annual breakdown of all expenditures from the previous five years and the planned five years for this CIP. Provided further below are details of the planned expenditures.







Capital Improvements

Engineering Studies

2021: Westside Sanitary Sewer Study - \$100,000

As development continues on the City's west side, a plan of the trunk sewer configuration is necessary. The area of study includes the sewer interceptors along Nine Mile Creek and two on tributaries north and west of this trunk, all generally located west of Cliff Avenue. This study will model the trunk systems to identify the sizing, costs, layout, and phasing options for the expansion of the sanitary sewer system as well as determine the impacts of expansion on the existing system, including lift station analysis. A more indepth preliminary layout of the initial Nine Mile Creek Trunk line to Cliff Avenue will be developed also.

2021: Eastside Sanitary Sewer Plan - \$75,000

This study will include the potential repurposing and reversal of the existing sanitary sewer forcemain to the Sioux Falls system and instead flow south, and then identify potential locations of future trunk sewers and lift stations for basins to be identified east of the City. Expected growth and improvement costs will be analyzed to identify optimal phasing alternatives of the overall system.

2021: Wastewater Use Fee Rate Study - \$25,000

The wastewater user fees rates will be evaluated with consideration of the updated CIP needs, new wastewater treatment facility costs, and forecasted improvements in the time beyond five years. An indepth fee rate study should be planned every five years thereafter.

2022: Sanitary Sewer System Model - \$50,000

A model of the entire sanitary sewer system will be developed based on the City's GIS system and flow records. This model will better identify potential issues and improvement needs in the existing system by fully taking into account lags and converging flows, and will also identify impacts of growth and expansion on the overall system. A reassessment of the modeled system should be planned every five years thereafter.

2022: Southeast Area Master Improvements Preliminary Plan - \$25,000

The City completed a facilities plan in 2019 of the southeast area which identified system wide improvements to the stormwater, wastewater, drinking water, and transportation systems. The next step in the process is to complete a preliminary design of the overall improvements. The overall study is budgeted at \$150,000 across the four infrastructure categories involved, with \$25,000 for wastewater due expected redesign of sewer depths. Efforts beyond this preliminary study will be included in the CIP as a project.

2023: Southside Sanitary Sewer Study - \$75,000

The sanitary sewer basins generally located south of the Water Reclamation Facility will mostly flow to a side stream sewer trunk system. This study involves conceptual layouts of this system in these basins in advance of any potential development. This will complete the planned sewer study and planning efforts of all basins within the City's current expected growth area.

<u>Water Reclamation Improvements:</u> Improvements involving water reclamation that are planned to be conducted in the 2021-2025 CIP timeframe are listed below. The water reclamation facility will be a new system and as a result the next major upgrade is not expected necessary for an estimated ten years. Generally, project selection and timelines are based on the prioritization system and then integrated into the CIP considering expected budget constraints. Because this infrastructure is new, needed improvements have not been identified yet and these expected relatively minimal improvements are not expected for a couple of years. For those reasons, in 2023, 2024, and 2025, \$50,000 is planned for currently unidentified improvements involving the facility.

Water Reclamation Facility Construction

2021: Construction - \$12,947,000 (of \$23,368,000)

Construction of the water reclamation facility started in May 2020 and will be completed in September 2021. This will eliminate the need to pump to the Sioux Falls system for treatment. This endeavor includes a forcemain to the Big Sioux River that is largely complete. Below is a breakdown of costs that have been split between 2020 and 2021. This project is completely funded via SDDENR State Revolving Fund loans.

	WRF Construction	WRF Engineering	FM Construction	FM Engineering
2020:	\$4,130,000	\$2,275,000	\$3,448,000	\$567,000
2021:	<u>\$12,233,000</u>	\$667,000	\$38,000	\$9,000
Total:	\$16,364,000	\$2,942,000	\$3,486,000	\$576,000

Wastewater Lagoon Decommissioning

2022: Construction - \$500,000

Once the water reclamation facility is operational, the existing wastewater lagoons will be decommissioned. The sludge will likely need time to dewater, and after which time will be removed and either landfilled or land applied. The majority of this work can be conducted in house. Funds are set aside from the SDDENR SRF loan package for this endeavor.

<u>Water Reclamation Rehabilitation</u>: The water reclamation facility will be new construction beginning operations in the latter half of 2021. Eventually buildings and equipment, such as pumps, will require significant rehabilitation and replacement periodically. No activities of the nature are anticipated in this CIP timeframe, but the category will be noted in this document and kept as a placeholder for the future expected needs.

<u>Collection System Improvements</u>: The City owns and maintains 165,000 feet of sanitary sewer pipe and 685 manholes. There are some areas in the older areas of town that do not optimally collect sanitary sewer. As part of the Southeast Area Master Improvements, most of these issues are planned to be addressed over the next 10 to 20 years. Also, there are several trunk sewers in the various sewer basins in the City, and the amount of trunk line is expected to increase with any growth. As the basins become more fully developed, the City must plan for lift stations decommissioning while existing trunk sewers are expected to require upsizing and reconfiguration. While the 2021 westside sanitary sewer study will identify these exact needs, anticipated improvements are already conceptually identified for this CIP timeframe.

Nine Mile Trunk Sewer Installation Phase 1

2023: Design & Construction - \$1,000,000

The 2021 Westside Sanitary Sewer Study will identify the improvement needs in the sanitary sewer basins located on the west side of the City. The first phase of improvements is anticipated to be the first section of the Nine Mile Creek sanitary sewer trunk line starting at the existing lift station to the Water Reclamation Facility and ending at approximately Cliff Avenue. With the construction of this first section, significant development is expected to be spurred in this basin. This section is also required to accommodate any additional anticipated flows in the already developed northwest basins, and so is expected to require completion prior to improvement of those trunk sewers. A loan, likely from the State Revolving Loan program from the SDDENR, is necessary to fund this improvement. Assuming a 20 year term loan at 3% interest results in an expected debt obligation of \$67,000 beginning in 2024.

South Cliff Trunk Sewer Installation

2024: Design & Construction - \$500,000

The 2021 Westside Sanitary Sewer Study will identify the improvement needs in this basin. After completion of the first phase of the Nine Mile Creek sanitary sewer trunk line, this phase of trunk sewer installation is necessary to accommodate the anticipated growth upstream in this subbasin. This phase consists of a trunk sewer installation from the South Cliff lift station to Green Meadows, and also decommissioning of lift stations. This project could be combined with the Green Meadows project if deemed appropriate. A loan, likely from the State Revolving

Loan program from the SDDENR, is necessary to fund this improvement. Assuming a 20 year term loan at 3% interest results in an expected debt obligation of \$33,000 beginning in 2025.

Green Meadows Trunk Sewer Reconstruction

2024: Design & Construction - \$500,000

After completion of the first phase of the Nine Mile Creek sanitary sewer trunk line and the South Cliff trunk line, this phase of trunk sewer reconstruction is necessary in order to accommodate the anticipated growth upstream. This phase consists of a trunk sewer reconstruction from the Green Meadows lift station to Creekside, and also decommissioning of lift stations. This project could be combined with the South Cliff project if deemed appropriate. A loan, likely from the State Revolving Loan program from the SDDENR, is necessary to fund this improvement. Assuming a 20 year term loan at 3% interest results in an expected debt obligation of \$33,000 beginning in 2025.

Southeast Area Improvements - Phase 2: Anna Way

2025: Design & Construction - \$200,000

The City completed a facilities plan of the southeast area in 2019 which identified system wide improvements to the stormwater, wastewater, drinking water, and transportation systems. A preliminary design of the overall improvements is planned in 2022 (included as a study). In 2025 the second phase is planned, which includes reconstruction of the water and sewer on Anna Way. The sewer is shallow and in poor condition. With the construction of the adjacent Mydland Estates development, a new sewer will be reconstructed and diverted north to this new system. Water main will be upsized in the area in conjunction with this project. A loan is not currently expected for this endeavor.

<u>Collection System Rehabilitation & Replacement:</u> The vast majority of the City's sanitary sewer system has been installed in the last 20 years. As a result of this overall age, the system is currently in overall good condition. However, older areas of the system are approaching 50 years old and were often constructed with clay pipe. These older areas have been televised in the last couple of years, and from these condition assessments, rehabilitation and replacement locations of pipes and manholes have been identified. Once these high priority areas are addressed, other localized areas of rehabilitation or replacement are expected to be identified due to corrosive conditions of some areas of the sewer system. The City will endeavor to address a portion of these ongoing needs annually. It is estimated that an annual effort equating to a cost of \$100,000 per year will be sufficient to do so.

Also included in this CIP timeframe is rehabilitation of the City of Sioux Falls collection system where the current Sioux Falls forcemain connects. Per an agreement, once Harrisburg's own facility is running and can disconnect from the Sioux Falls system, the City will repair the Sioux Falls collection system corrosion due to the discharge. This is estimated at a total of \$200,000, occurring over the years 2023 and 2024.

Design and construction administration of these projects will often be performed inhouse. The current prioritization is shown below. While not all years have identified improvements, this same construction cost amount will be planned in years with unidentified projects.

	Location
2021:	Downtown Area Pipe Relining
2022:	Grand Avenue Area Pipe Relining
2023:	Sioux Falls Manhole Rehabilitation Phase 1
2024:	Sioux Falls Manhole Rehabilitation Phase 2
2025:	(Not Yet Identified)

<u>Development Oversizing Reimbursement</u>: The City generally will reimburse development that must oversize sanitary sewer pipe and facilities to accommodate upstream wastewater flows. Below are anticipated requests. There are no expected requests for 2023, 2024, or 2025.

The Mills Creek development will oversize the trunk sewer through this development to accommodate upstream flows in the basin. Phase one of this construction will occur in 2021, with a budgeted reimbursement cost of \$150,000. Phase two of this construction, estimated at an additional \$300,000, is planned for 2022 and reimbursement of that amount is planned for that year.

Expenditures Estimation

<u>Pipe Televising:</u> There are approximately 165,000 feet of sanitary sewer pipe in the City. In order to determine the condition of these assets, and identify and plan for necessary improvements and repairs, the City must televise these pipes. A five year rotation is planned to televise all pipes, which costs \$25,000 annually.

<u>Major Equipment Purchases</u>: Equipment purchases in this category include large pieces of equipment, such as pickup and utility trucks used in daily operations, and heavy equipment and trucks. These equipment are often divided among other utilities due to expected shared use. The Public Works Director has planned nearly annual purchase of daily use trucks, resulting in approximately \$10,000 cost share from the wastewater fund annually. Also planned is one large piece of equipment annual purchase, estimated at a \$50,000 wastewater fund cost share. \$61,000 was budgeted in 2021 for a pickup truck and a hauling/snow plowing truck. \$70,000 is planned for 2022 through 2025 for similar items, and considering additional equipment for the new water reclamation facility. Other large equipment may require obtaining loans.

Equipment & Supplies: Various equipment and supplies are necessary for implementation of the wastewater program. Equipment varies from year to year but typically includes tools, software/SCADA, or portions of equipment shared by other utilities. Supplies include materials and miscellaneous parts for the collection system, office supplies, and equipment maintenance. Equipment and supplies have cost \$40,000 on average over the last five years. For 2021, \$53,000 was budgeted for the collection system needs. Going forward, from 2022 through 2025, collection system equipment and supplies is estimated to cost \$50,000 annually. Wastewater treatment facility equipment and supplies is expected to cost \$65,000 based on projections from consultant engineers and data from similar facility operators; this was applied to years 2021 through 2025. \$25,000 was budgeted for 2021 considering facility startup and approximately a quarter of a year of operations.

<u>Operational Costs</u>: Operational costs, such as electricity for the lift stations, over the last five years has increased from \$5,000 in 2016 to nearly \$10,000 in 2021. With no anticipated additional lift stations, \$10,000 is estimated for 2021 through 2025. Going forward, water reclamation operational costs will also be included. This is estimated at \$40,000 for 2021 at facility start up, and is expected to be \$75,000 annually for 2022 through 2025. Electricity costs associated with aeration (treatment) will be the majority of operational costs at the facility. This is currently estimated based on cost at similar facilities but may need adjustment in future planning.

<u>Emergency Repairs</u>: Emergency repairs of the system have been budgeted around \$30,000 in the last couple of years. These repairs are typically planned as \$5,000 for pipe breaks and \$25,000 for lift station repairs. \$30,000 is expected for 2021 through 2025._After treatment facility startup and warranties expire, some funds should be set aside for emergency repairs here as well. So, an additional \$15,000 is planned for 2022 and 2023, and \$30,000 is planned for 2024 and 2025.

Employee Costs: There are currently 10 employees at public works, which all are involved with the wastewater program to some extent. These costs also include various annual vendor and professional services. The amount of staff effort to maintain the wastewater program is expected to remain on a growth trend as the City continues to grow. The public works department is anticipating adding a generalist position each year for the next 10 years. At an expected approximation of \$60,000 for annual for wages and benefits for a public works generalist position, a quarter of this, \$15,000, would be funded from wastewater, which equates to an approximate 5% annual increase necessary for staffing. Additionally, wages are expected to increase 5% on average, which is a combination of merit and inflationary increases. Benefits, such as health insurance, are estimated to increase 2% to keep with inflation. From 2016 to 2020 the annual cost for staffing of the wastewater program has increased from a budgeted \$155,000 in 2016 to a budgeted \$245,000 in in 2020. \$305,000 is budgeted for 2021, of which most of the increase is due to the added wastewater operator and operational consulting fees that is completely funded by this utility. Overall, employee costs of the wastewater utility are expected to increase 12% annually, as outlined below.

Total Employee Cost	<u>FTEs</u>
2021: \$305,000	10
2022: \$342,000	11
2023: \$383,000	12
2024: \$429,000	13
2025: \$480,000	14

Sioux Falls Wastewater Treatment: The City has pumped excess wastewater that the lagoons could not treat to the City of Sioux Falls Water Reclamation Facility for final treatment. These costs have increased from \$540,000 in 2016 to over \$1,450,000 in 2021. The City has decided that the long term solution for wastewater treatment was a City owned facility, and so this cost will be phased out in 2021.

<u>Debt Service:</u> The City has several debt obligations associated with the wastewater program, as detailed below. At this time with the current and planned project loans in this CIP, debt service will account for approximately two-thirds of the expected revenues, and so additional loans are likely not financially feasible until one of these are paid off or

matures. But also note that the Westside Trunk Sewer will be paid completely in 2025, reducing the annual total payments by \$332,000 thereafter.

- The Pump Station and Forcemain to Sioux Falls loan annual cost is approximately \$133,000, and matures in 2042.
- The Columbia Basin Sewer Improvement Project loan annual cost is approximately \$46,000, and matures in 2044.
- The Water Reclamation Facility loan, which includes the forcemain to the Big Sioux River, is expected to have an annual payment of \$1,441,000, and will mature in 2040. This replaces Sioux Falls treatment costs.
- The Water Reclamation Facility Land loan is a separate loan with an annual cost of \$182,000, and matures in 2038.
- The Westside Trunk Sewer was constructed through an agreement with the Harrisburg School District, with City will paying the upsizing costs to line to service the entire sewer basin. The total construction cost was \$3,090,000, with \$953,000 plus interest owed by the City. Payment is required within five years, and the City plans to make interest payments in 2021 and 2022 of \$14,000, and principle plus interest payments of \$332,000 in 2023, 2024, and 2025 to fully repay the loan.

Additional loans are planned with this CIP, including the Nine Mile Trunk Sewer Installation Phase 1 that would result in an expected \$67,000 annual cost, and the Green Meadows and South Cliff Sewer Improvements that would result in an expected \$66,000 annual cost.

There are also several equipment loans associated with the wastewater program. The table below shows these loans and the portion this program is responsible for.

	Wastewater Portion	<u>Annual Payment</u>
Vac Truck:	100%	\$65,000
Telehandler:	25%	\$5,000
Grader:	13%	\$5,000

Revenues Projections

The storm drainage program receives revenues from a few difference sources, but large portion is obtained from the wastewater user fee. The charts below show the annual revenues from the previous five years and the projected five years for this CIP. Provided further below are details of these revenues.







<u>Wastewater User Fee:</u> The wastewater user fees are the major source of funding the wastewater program. These are collected monthly based on use that is average during winter months. Below is a summary of the current rate structure.

	Base Charge	Surcharges	Use Charge (per 1,000 gal)
Single Family Residential:	\$18.18	\$15.37	\$14.65
Multi-Family Residential:	\$16.01	\$15.37	\$16.13
Commercial & Other:	\$16.01	\$15.37	\$13.82

For this CIP timeframe, revenues assume a conservative 4% user growth rate for years 2021 through 2025. The fee increase for 2021 is 3%. For years 2022 through 2025, an annual fee increase of approximately 4% on average is planned to keep with inflation. There are four general categories of expenditures with different inflationary rates. In order to appropriately estimate the overall inflation of 4%, the ratio of these categories to the overall budget was considered, as shown below.

	Ratio of Budget	Inflation/Interest/Growth
Capital Improvements:	10%	5%
Equipment & Operations:	10%	3%
Employee Costs:	13%	8%
Debt Service:	67%	3%

The chart below shows the annual revenues from the wastewater user fee from the previous five years and the projected five years for this CIP, as well as the rates per 5,000 gallons used for a residential customer and the yearly percent increase of the rates.



<u>Miscellaneous</u>: There are also other miscellaneous revenue consisting of rentals, interest earned, and cost recoveries from previous City wastewater projects. These cost recovery incomes cannot be assumed in any year and so are not included in the budget. And so a total of \$24,000 is estimated in 2021, and \$25,000 per year is estimated for the remainder of this CIP timeframe.

<u>Wastewater Connection Fee:</u> There is a fee in place for all new connections to the wastewater system, currently set at \$750 per connection. In recent years approximately 60 to 70 connections are made annually in the City, equating to an annual revenue of \$45,000 budgeted in 2021 and \$50,000 conservatively expected for the remainder of this CIP. An analysis is nearing completion of an appropriate update to these fees considering the costs of the wastewater treatment facility to accommodate future connections. This updated fee is expected to increase in 2022, but that increase amount cannot be estimated at this time.

<u>General Fund Supplement:</u> General fund supplementation to the wastewater program budget is not typical in recent years, nor is planned in future years. Moving forward with the planned 4% annual fee increase (to keep up with inflation), the wastewater program is expected to be self sufficient and general funds are not expected to be necessary in the 2021-2025 CIP timeframe.

Budget Summary

Over this CIP timeframe the wastewater program will be self sufficient and able to appropriately maintain and improve this infrastructure system with rate increases as proposed to keep with inflation. However, the reserve fund will decrease substantially. The charts below show the budget from the previous five years and the projected five years for this CIP.

The wastewater fund is projected to have a reserve of approximately \$2,338,000 at the beginning of 2021. While some reserve balance should always endeavor to be maintained, it is often considered appropriate to use these funds for one time expenditures, such as special projects. Maintaining a reserve amount of one year's budget should be a goal. If enough is saved over a period of years, it could be applied to a large upcoming project, allowing the City to avoid additional debt.





Over this CIP timeframe the reserve amount will generally decrease to an expected ending balance at \$1,403,000 in 2025, a \$908,000 decrease. This budget is strained over this timeframe primarily due to existing debt obligations. An estimation of the budget from 2026 to 2030 is shown below and includes estimates of necessary maintenance and operations of the system. Assuming no additional major one time costs, this reserve amount will trend upward toward a healthy amount assuming only inflationary increases in user rates, as shown in the following graph.



Drinking Water Program

The drinking water program includes the operations, maintenance, and improvement of the drinking water system of the City. This system includes 190,000 feet of water distribution pipe, 385 valves, 340 fire hydrants, and two water towers. The City obtains most of our water supply from Lewis & Clark Regional Water System. Drinking water program includes capital improvements, employee costs, equipment, operations, water supply purchasing, and loan repayment. The charts below show the annual breakdown of all expenditures from the previous five years and the planned five years for this CIP. Provided further below are details of the planned expenditures.





Capital Improvements

Engineering Studies

2021: Aquifer Exploration Study - \$50,000

As the City continues to grow, additional water sources should be considered. Current supplies from Lewis & Clark Regional Water System and agreements with other municipalities are anticipated to provide enough water

supply for at least the next 10 years. Supplies beyond that should take into consideration costs of developing City owned facilities. This study will build on the recent aquifer studies on feasibility of developing identified aquifers.

2021: Drinking Water User Fee Rate Study - \$25,000

The drinking water user fees rates will be evaluated with consideration of the updated CIP needs, new drinking water treatment facility costs, and forecasted improvements in the time beyond five years. An in depth fee rate study should be planned every five years thereafter.

2021: Water Service Connection Fee Analysis - \$0 There is a connection fee in place for all new connections to the drinking water system. This has been set at \$750

per connection. This analysis will determine an appropriate update to these fees considering the costs of future system infrastructure to accommodate future connections. This will be conducted inhouse.

2021: Water Main Expansion Master Plan - \$0 A master planning document of future large diameter water mains will be developed to supply the City expected growth area. This will aid in orderly development and planning of future projects. This will be conducted inhouse.

2022: Southeast Area Master Improvements Preliminary Plan - \$25,000

The City completed a facilities plan in 2019 of the southeast area which identified system wide improvements to the stormwater, drinking water, drinking water, and transportation systems. The next step in the process is to complete a preliminary design of the overall improvements. The overall study is budgeted at \$150,000 across the four infrastructure categories involved, with \$25,000 for drinking water due expected payout of larger water mains. Efforts beyond this preliminary study will be included in the CIP as a project.

2023: Water Treatment Feasibility Study - \$50,000

Based on the aquifer studies completed previously, a study of the treatment feasibility of potential source waters will be evaluated, along with cost estimates to determine viability of developing these sources as future supplies.

2022: Water Distribution System Model - \$50,000

A model of the entire water distribution system will be developed based on the City's GIS system and pressure and use records. This model will better identify potential issues and improvement needs in the existing system by fully considering local use and pressure differences in the system and will also identify impacts of growth and expansion on the overall system.

2023: Well Exploration - \$100,000

Based on the outcomes of the previous aquifer studies and treatment feasibility study, well exploration of potential sites will be conducted. This will likely include test holes and additional pumping and sampling tests.

2024 & 2025: Not Yet Identified Studies - \$50,000 each year.

Additional water supply studies are expected in 2024 and 2025, however, the scope of these studies have not yet been identified and would be based of the outcomes of previous studies.

<u>Water Main System Improvements:</u> There are several large diameter water mains in the City distribution system, and this will increase as the City continues to grow. There are also several areas in the center of the City that require upsizing of existing water main or installation of large diameter water mains to appropriately supply water throughout the system. The City will endeavor to reduce these bottlenecks and increase connection points to improve the system through the project identified below.

Cliff Avenue & Industrial Drive Area Water Main Installation

2021: Design & Construction - \$250,000

The previous water system modeling and study indicated improvements are necessary in the central area of the City to improve flows throughout the system, and specifically between the two water storage towers. This project includes installing 12 inch water main connecting Creekside development to water mains in central park and the industrial park.

Willow Street & Cliff Avenue Intersection Area Water Main Installation

2021: Design & Construction - \$500,000

The previous water system modeling and study indicated improvements are necessary in the central area of the City to improve flows throughout the system, and specifically between the two water storage towers. This project includes installing 12 inch water main along Willow Street and at the intersection of Cliff Avenue, connecting the four quadrants of the City with 12 inch water mains.

Southeast Area Improvements - Phase 1: Perry Lane & Willow Street Area Water Main Installation

2024: Design & Construction - \$700,000

The City completed a facilities plan of the southeast area in 2019 which identified system wide improvements to the stormwater, wastewater, drinking water, and transportation systems. A preliminary design of the overall improvements is planned in 2022 (included as a study). Construction of the new water main portion of these improvements estimated at \$700,000 is planned for 2024. A loan, likely from the State Revolving Fund loan program from the SDDENR, is necessary to fund the construction of these improvements. Assuming a 20 year term loan at 3% interest results in an expected debt obligation of \$47,000 beginning in 2025.

Southeast Area Improvements - Phase 2: Anna Way

2025: Design & Construction - \$100,000

In 2025 the second phase of the southeast area improvements is planned, which includes reconstruction of the water and sewer on Anna Way where the water main will be upsized.

<u>Distribution System Improvements</u>: The current water distribution system includes 190,000 feet of water distribution pipe, 385 valves, 340 fire hydrants. The system will periodically require replacement due to age or condition. Also, locations have been identified for additional valve for optimal operations and additional hydrant locations for fire flows. The City will endeavor to address a portion of these ongoing needs and improvements annually. Locations will vary around the City from year to year. It is estimated that an annual effort equating to a cost of \$50,000 per year will be sufficient to do so. \$50,000 is planned for years 2022 through 2025. Design and construction administration of these projects will often be performed inhouse.

<u>Utility Billing Improvements:</u> The water billing system requires water meter upgrades of a large portion of the current meters. Staff has been replacing these meters as time allows, however, this has not been efficient. Complete replacement is planned to be contracted out to vender over a three year timeframe, from 2021 to 2023. The total cost of this endeavor is estimated at \$600,000, spread evenly among these three years.

<u>Development Oversizing Reimbursement:</u> The City generally will reimburse development that must oversize water main pipe to accommodate the overall system water supply requirements. Below are anticipated requests. There are no expected requests for 2023, 2024, or 2025.

- The Flatiron development will oversize the water main this development to provide better flow connectivity in the system. A budgeted reimbursement cost of \$30,000 is estimated in 2021.
- The Mills Creek development will oversize the water main this development to provide better flow connectivity in the system. A budgeted reimbursement cost of \$30,000 is estimated in 2022.

<u>Land Acquisition</u>: From time to time land acquisition may be needed may be needed for future projects. In 2021, 2022, 2024, and 2025, \$10,000 is allocated toward purchasing miscellaneous unidentified needs. For 2023, \$50,000 is planned for the site of an additional water storage facility.

Expenditures Estimation

<u>Major Equipment Purchases</u>: Equipment purchases in this category include large pieces of equipment, such as pickup and utility trucks used in daily operations, and heavy equipment and trucks. These equipment are often divided among other utilities due to expected shared use. The Public Works Director has planned nearly annual purchase of daily use trucks, resulting in approximately \$10,000 cost share from the drinking water fund annually. Also planned is one large piece of equipment annual purchase, estimated at a \$50,000 drinking water fund cost share. \$61,000 was budgeted in 2021 for a pickup truck and a hauling/snow plowing truck. \$60,000 is estimated for 2022 through 2025 for similar items.

Equipment & Supplies: Various equipment and supplies are necessary for implementation of the drinking water program. Equipment varies from year to year but typically includes tools, software/SCADA, or portions of equipment shared by other utilities. Supplies include materials and miscellaneous parts for the collection system, office supplies, and equipment maintenance. For 2021, \$27,000 was budgeted for the collection system needs. Going forward, from 2022 through 2025, collection system equipment and supplies is estimated to cost \$30,000 annually.

<u>Operational Costs:</u> Operational costs, generally utility costs, have averaged \$7,000 over the last five years. \$10,000 is estimated for 2021 through 2025.

<u>Emergency Repairs</u>: Emergency repairs of the system have been budgeted around \$30,000 in the last couple of years. \$30,000 is expected for 2021 through 2025.

Employee Costs: The number of employees involved in the drinking water utility has grown over the last few years and is expected to remain on this trend as the City continues to grow. The public works department is anticipating adding a generalist position each year for the next 10 years. Typically an additional 'generalist' position is created that divides time among the drinking water, drinking water, and transportation utilities. At an expected approximation of \$60,000 for annual for wages and benefits for a public works generalist position, a quarter of this, \$15,000, would be funded from the drinking water utility, which equates to an approximate 5% annual increase necessary for staffing. From 2016 to 2020 the annual cost for staffing of the drinking water program has increased from a budgeted \$155,000 in 2016 to a budgeted \$299,000 in in 2021. Overall, employee costs funded by the drinking water utility are expected to increase a total of 12% annually, as outlined below.

	<u>Total Employee Cost</u>	<u>FTEs</u>
2021:	\$199,000	10
2022:	\$223,000	11
2023:	\$250,000	12
2024:	\$280,000	13
2025:	\$314.000	14

<u>Water Supply Purchasing</u>: The City receives the vast most of its water supply from Lewis & Clark Regional Water System. From 2016 through 2020, this cost has been maintained at approximately \$150,000 annually. Moving forward, however, additional supplies are necessary due to expected growth. The City has entered into short term agreements with Lincoln County Rural Water System for relatively small amounts of water to provide supplies during peak days. Harrisburg has been discussing with other municipalities part of the Lewis & Clark system for long term agreements. With anticipated agreements for additional supply starting in 2021, these purchasing costs are expected to increase. The breakdown of these expected costs are shown below. Also, the City will be transferring several water accounts from Lincoln County Rural Water System in 2022 and 2023 as part of an agreement.

	<u>Lewis & Clark RWS</u>	Lincoln County RWS	Other Sources	Lincoln Co Transfers
2021:	\$73,000	\$37,000	\$115,000	
2022:	\$98,000	\$20,000	\$155,000	\$35,000
2023:	\$99,000	\$20,000	\$155,000	\$40,000
2024:	\$101,000	\$20,000	\$115,000	
2025:	\$105.000	\$20.000	\$115,000	

<u>Debt Service:</u> The City has several debt obligations associated with the drinking water program, as detailed below. At this time with the current and planned project loans in this CIP, debt service will account for approximately one-fifth of the expected revenues.

- The Lewis & Clark System loan annual cost is approximately \$88,000, and matures in 2028.
- The 750,000 Gallon Water Tower loan annual cost is approximately \$120,000, and matures in 2031.
- The Highway 115 Water Main loan annual cost is approximately \$95,000, and matures in 2040.

An additional loan is planned with this CIP: the Perry Lane and Willow Street water main upsizing in 2024, which would result in an expected \$47,000 annual cost.

There are also several equipment loans associated with the drinking water program. The table below shows these loans and the portion this program is responsible for.

	Drinking water Portion	Annual Payment
Telehandler:	25%	\$5,000
Grader:	13%	\$5,000

Revenues Projections

The drinking water program receives revenues from a few difference sources, but large portion is obtained from the drinking water user fee. The charts below show the annual revenues from the previous five years and the projected five years for this CIP. Provided further below are details of these revenues.





<u>Drinking water User Fee:</u> The drinking water user fees are the major source of funding the drinking water program. These are collected monthly based on use. Below is a summary of the current rate structure.

Meter Size	<u>Base Charge</u>	Residential:	Rate / 1,000 gallons
5/8" or ³ / ₄ "	\$7.66	0-3,000 gallons:	\$0.90
1"	\$10.74	3,001-6,000 gallons:	\$3.40
1.5"	\$24.10	6,001-9,000 gallons:	\$8.69
2"	\$35.25	9,001 + gallons:	\$13.85
3"	\$69.83	Other: $$3.64 / 1.000$ a	allong
4"	\$133.94	<u>Omer.</u> \$5.047 1,000 g	anons

Surcharges: \$2.34 / 1,000 gallons/month \$4.84 / month

For this CIP timeframe, revenues assume a conservative 4% user growth rate for years 2021 through 2025. The fee increase for 2021 is 2%. For years 2022 through 2025, an annual fee increase of approximately 4% on average is planned to keep with inflation. There are four general categories of expenditures with different inflationary rates. In order to appropriately estimate the overall inflation of 4%, the ratio of these categories to the overall budget was considered, as shown below.

	<u>Ratio of Budget</u>	Inflation/Interest/Growth
Capital Improvements:	34%	5%
Equipment & Operations:	9%	3%
Employee Costs:	17%	8%
Purchasing Water:	18%	1%
Debt Service:	22%	3%

The chart below shows the annual revenues from the drinking water user fee from the previous five years and the projected five years for this CIP, as well as the rates per 5,000 gallons used for a residential customer and the yearly percent increase of the rates.



<u>Miscellaneous</u>: There are also other miscellaneous revenue consisting of rentals, interest earned, and cost recoveries from previous drinking water projects. These cost recovery incomes cannot be assumed in any year and so are not included in the budget. A total of \$45,000 is estimated in 2021 and \$50,000 is estimated for the remainder of this CIP timeframe.

<u>Drinking Water Connection Fee:</u> There is a connection fee in place for all new connections to the drinking water system. This has been set at \$750 per connection. In recent years approximately 60 to 70 connections are made annually in the City, equating an annual revenue of \$45,000 budgeted in 2021 and \$50,000 conservatively expected for the remainder of this CIP. An analysis is nearing completion of an appropriate update to these fees considering the costs of the drinking water system to accommodate future connections. This updated fee is expected to increase in 2022, but that increase amount cannot be estimated at this time.

<u>General Fund Supplement:</u> General fund supplementation to the drinking water program budget is not typical in recent years, nor is planned in future years. Moving forward with the planned 4% annual fee increase (to keep up with inflation), the drinking water program is expected to be self sufficient and general funds are not expected to be necessary in the 2021-2025 CIP timeframe.

Budget Summary

Over the timeframe of this CIP the drinking water program will be self sufficient and able to appropriately maintain and improve this infrastructure system with rate increases as proposed to keep with inflation. The reserve fund will decrease substantially. The charts below show the budget from the previous five years and the projected five years for this CIP. The drinking water fund is projected to have a reserve of approximately \$3,100,000 at the beginning 2021. While some reserve balance should always endeavor to be maintained, it is often considered appropriate to use these funds for one time

expenditures, such as special projects. Maintaining a reserve amount of one year's budget should be a goal. Over this CIP timeframe the reserve amount will generally decrease to an expected ending balance at \$907,000 in 2025, a \$2,193,000 decrease over this period. While a seemingly drastic change in reserve amounts, these reserves are planned to be applied to one-time large projects. And the ending balance is near the annual revenues, indicating a healthy fund.





To further verify a healthy fund, an estimation of the budget from 2026 to 2030 is shown below and includes estimates of necessary maintenance and operations of the system. Assuming no additional major one time costs, this reserve amount will trend upward toward a healthy amount assuming only inflationary increases in user rates, as shown in the following graph.

Additional consideration is given to the anticipated third water tower constructed in approximated 2030. At an estimated size of 1,250,000 gallon capacity, and comparing to other recent bids of water towers in this area, this cost is estimated at \$6 million. Based on a 20 year loan and at 3% interest, the annual loan repayment is estimated at \$400,000. An estimate of the budget from 2030 to 2035 is shown below and includes estimates of necessary maintenance and operations of the system. Assuming no additional major one time costs, this reserve amount will continue trending upward toward a healthy amount assuming only inflationary increases in user rates, as shown in the following graph.





Transportation Program

The transportation program includes the maintenance and improvement of the street system of the City. This also includes the pedestrian transportation system along streets and street lighting. This system includes 21.9 miles of existing streets. The transportation program includes capital improvements, employee costs, equipment, operations, and loan repayment. The chart below shows the annual breakdown of all expenditures from the previous five years. Going forward the program expenditures are categorized by fund, including the Street Maintenance Program, Arterial Streets Program, Street Lighting Program, and General Streets Program.



Street Maintenance Program

The street maintenance program includes maintenance projects of the existing streets system. The improvements are often based on the 2019 Street Condition Study. This program is completely funded by the street maintenance fee. The following charts show the annual breakdown of all expenditures from the previous five years and the planned five years for this CIP.





Capital Improvements

<u>Street Reconstruction</u>: There are a few streets in the current City streets system that are in poor condition where complete pavement reconstruction is necessary. These often include the older potions of the City in the downtown area and Southeast Areas. Two locations were identified for this CIP timeframe.

Prairie Avenue Reconstruct

2024: Design & Construction - \$150,000

The pavement condition of this block of Prairie Avenue between Maple Street and Walnut Street is in very poor condition with extensive cracking. This project will involve removal and reinstalling the pavement in this block.

Main Street Reconstruct

2025: Design & Construction - \$250,000

The pavement condition of this block of Main Street between Prairie Street and Columbia Street is in poor condition. This project will involve removal and reinstalling the pavement in this block. The project may also include adding parking and traffic flow improvements for the downtown area.

<u>Surface Treatment:</u> Surface treatment, primarily slurry seal, is a cost effective method to preserving the existing streets. Slurry seal application to streets in poor condition will give a few more years of use, while application to newer streets will prolong the over life of those pavements. The City plans to slurry seal several blocks each year, with the amount increasing as the funding level increases. These locations are determined each year by City staff in the winter months prior to the application the following summer. This project is often done in conjunction with neighboring municipalities with the bidding facilitated by the City of Sioux Falls. Design and construction administration of these projects will often be performed inhouse. The locations identified for 2021 include Shebal Ave, Grand Avenue, Walnut Street, Chestnut Street, and Elm Street.

<u>Street Repairs</u>: Street patching is conducted each year to isolated locations of poor condition streets. This will often include one or two large projects of a package of patching locations contracted out for paving, but also includes materials for staff patching smaller areas and potholes. These locations area identified each year by staff immediately after winter months.\$50,000 is budgeted for 2021, and \$100,000 is planned for the remainder of this CIP timeframe. Design and construction administration of these projects will often be performed inhouse.

<u>Resurfacing</u>: There are several streets that are recommended for resurfacing, specifically mill and overlay of the top layers of asphalt, based on the generally poorer condition of the street. A reconstruction is not necessary, but surface treatment would not solve the issues. These projects are detailed below. Design and construction administration of these projects will often be performed inhouse.

	Location	<u>Cost</u>
2021:	Augustana Ave	\$200,000
2022:	Kent St & Chokecherry St	\$250,000
2023:	Almond Ave & Cottonwood St	\$300,000
2024:	Lois Ln & Emmet Trl	\$300,000
2025:	Maple St	\$300,000

Revenues Projections

The street maintenance program receives revenues from the street maintenance fee. These are collected with the property taxes on parcels within the City. The fee is determined by the front foot of the parcel along the street right of way. For this CIP, revenues assume a 13% user growth rate for 2021 and a conservatively estimated rate of 4% for the years 2022 through 2025. The fee increase for 2021 is 13.5%. For years 2022 through 2025, an annual fee increase ranges from 9.5% to 11.8%, as shown in the chart below. Construction cost inflation in this region is often in the realm of 5% and so the increases are actually around 5% above inflation.

The 2019 Street Condition Study determined the condition of the existing street system and based on that information determined the maintenance activities required to maintain the system to those conditions, along with a recommended annual recommended spending to do so. The proposed fee increases do not meet the recommended fees from the study, but over time the difference is decreasing, also shown in the chart. Over the timeframe of this CIP, the street maintenance program will be self sufficient and able to appropriately maintain this infrastructure system with rate increases as proposed.



Arterial Streets Program

The arterial streets program includes construction of arterial streets in the City and its growth areas. These improvements are selected base highly on the priority process and current developer trends. This is a new program with the arterial street platting and building fees enacted in late 2020 and early 2021. The following chart shows the annual breakdown of all expenditures for the planned five years for this CIP.



Capital Improvements

Arterial Street Improvements:

Cliff Avenue & Willow Street Intersection Improvements

2021: Design & Construction - \$2,000,000

The intersection is currently at the core of the City, with the majority of traffic flow through it, especially in morning and evening peak times. The City considered several alternatives to the improvement. This is expected to be completed in the summer of 2020. Funding has been secured for \$2,000,000.

Cliff Avenue Improvements

2022: Design & Construction - \$2,150,000

Cliff Avenue is a major corridor of the City, and with the existing and expected development growth around this arterial street, traffic upgrades are necessary. The improvements will be determined in the 2021 Cliff Avenue Corridor Preliminary Plan. Funding has not yet been secured for this project, but the intention is to use SDDOT Surface Transportation Program Funds.

Willow Street Improvements

2025: Design & Construction - \$1,000,000

Willow Street between Grand Avenue and Southeastern Avenue is a major east corridor of the City, and with the existing and expected development growth in this area, traffic upgrades will become necessary. The improvements will be determined in the 2021 Willow Street Corridor Preliminary Plan. This project is intended to be funded by the arterial street fee revenues. Based on projections, the fund should general enough to complete a project by 2025.

<u>Debt Service:</u> A loan is planned with this CIP for the Cliff and Willow Intersection project. The expected annual payments are \$157,000, which can be paid through the arterial street fee revenues.

Revenues Projections

The arterial streets program receives revenues from the arterial street platting and building fees, the SDDOT Surface Transportation Funds, and loan proceeds. The expected revenues of these sources are shown in the following graph. Provided further below are details of these revenues.



<u>Arterial Street Fees:</u> The arterial street platting fee is applied to all development in the City's growth area and master roads plan. This has been set at \$1,000 acre for any type of development. There are also arterial street building fees that vary based on land use. Based on the Arterial Street NEXUS Study review of existing and future development trends, revenues are anticipated of around \$300,000 annually. This has been assumed in this CIP. However, if revenues do not reach anticipated levels, project timelines will require adjustment.

<u>Surface Transportation Program Fund:</u> The SDDOT provides surface transportation program funds to municipalities. Harrisburg is currently expected to receive \$218,000 in 2021, and this is expected to increase as population increases. The SDDOT will allow for obtaining prepayment of several years of these funds. The City intends obtain 10 years of these expected funds, resulting in a potential of \$2,150,000 in 2022.

<u>Lincoln County Road Transfer Agreement:</u> The City of Harrisburg and Lincoln have agreed to transfer 3.5 miles of arterial roads within the City limits of Harrisburg in 2021. This agreement includes payment to the City of \$2,700,000 over 10 years, with early years' payments of \$100,000 and payments increasing in later years.

<u>Loan Proceeds</u>: The City has obtained a private loan for the amount of \$2,000,000 for the purpose of improving the intersection of Cliff Avenue and Willow Street.

Budget Summary

Over the timeframe of this CIP the arterial street program will be able to improve the arterial street system to an extent. The chart below shows the budget for the projected five years for this CIP. The reserve fund of this program is planned to increase over this timeframe, but then funds are planned to be used for a project in 2025.



Street Lighting Program

The street lighting program includes payment of the street lighting system utility and improvements to the system. This program is partially funded by a street lighting fee and supplemented by the general fund. The following chart shows the annual breakdown of all expenditures and revenues for this CIP timeframe.



Expenditures

<u>Street Lighting Costs:</u> The City pays the costs of providing electric light to the street lighting system. As the City grows, these costs are expected to increase. Over the timeframe of this CIP, these costs are expected to increase from \$110,000 in 2021 to \$150,000 in 2025.

<u>Street Lighting Improvements:</u> Periodically the street lighting system may be improved, specifically adding street lights to identified areas. \$10,000 is planned for each year of this CIP. Major improvements will take several years of planning to ensure the generally fund supplement can provide for larger costs.

Revenues Projections

The street lighting program receives revenues from the street lighting fee and is supplemented by the general fund. The street lighting fee is collected with the monthly utility bills. The rates are \$2.00 for single family, \$1.50 per apartment unit, \$4.00 for all other uses. No fee increases are planned in this CIP. Any costs not covered by the street lighting fee is supplement by the general fund. Over the timeframe of this CIP the street lighting program may be able to do some minor improvements to the system. If additional major improvements are desired, rate increases would likely be necessary.

General Streets Program

The general streets program includes the operations, maintenance, and improvement of the streets system of the City. This system consists of approximately 18.4 miles of streets. construction of arterial streets in the City and its growth areas. The following chart shows the annual breakdown of all expenditures for the planned five years for this CIP. Provided further below are details of the planned expenditures.



Capital Improvements

Engineering Studies

2021: Cliff Avenue Corridor Preliminary Plan - \$90,000

With the recent and upcoming development in the central area of the City, the traffic needs of Cliff Avenue will be determined in this study and projects will be identified along with phasing and costs. These are expected to include turn lanes along the corridor and intersection improvements at Industrial Drive.

- 2021: Willow Street Corridor Preliminary Plan \$80,000 With upcoming development on the east side of the City, the traffic needs of Willow Street in this area in this study. These are expected to include turn intersection improvements and vertical alignment adjustments.
- 2021: Downtown Master Plan \$50,000

A master plan of redevelopment of the City's original downtown will be developed with consideration to the traffic and parking needs in the future.

- 2021: Master Transportation Plan \$35,000 In conjunction with the Metropolitan Planning Organization (MPO), this study will include master planning of the City's transportation system. This study is 80% funded by the MPO.
- 2021: Miscellaneous Traffic Studies \$15,000 With anticipated development in the near term, additional traffic studies are expected necessary. These have not yet been identified.
- 2021: Wetlands Preliminary Plan \$50,000

The City owns approximately 7,000 linear feet along Nine Mile Creek southeast of the City. The natural area will be studied for the potential of a City wetland's bank to use for future City projects.

2024: Street Condition Study Update - \$50,000 This will be an update to the previous 2019 study of the current conditions of the street system. 2022, 2023, & 2025: Not Yet Identified Studies - \$50,000 each year.

Additional transportation and traffic studies are expected in 2022, 2023, and 2025, however, the scope of these studies have not yet been identified and would be based of the outcomes of previous studies.

<u>Street Network Improvements:</u> New streets and street connections are periodically constructed by the City. There are no street network improvements planned in the 2021-2025 CIP timeframe.

<u>Pedestrian Transportation Network Improvements:</u> The pedestrian transportation network is comprised of sidewalk and paths primarily along street right of ways. These improvements consist of additions to this network, often along arterial streets where these facilities were previously not required to be installed. Improvements also include repairs at City owned properties. Also, ADA improvements are planned annually, which are usually curb ramp reconstruction. Design and construction administration of these projects will often be performed inhouse. A pedestrian sidewalk plan is nearing completion which will further identify other improvements.

	<u>Location</u>	<u>Budgeted</u>
2021:	S Cliff, Misc.	\$70,000
2022:	N Cliff, Misc.	\$80,000
2023:	Misc.	\$90,000
2024:	Misc.	\$100,000
2025:	Misc.	\$100,000

Land Acquisition: From time to time land acquisition may be needed, Right-of-Way or permanent easements, may be needed for future projects. \$20,000 each year of this CIP is planned for toward purchasing miscellaneous unidentified needs.

Expenditures Estimation

<u>Traffic Striping</u>: Street traffic striping is required at least annually, such as crosswalks and no parking areas. \$20,000 each year of this CIP is planned.

<u>Major Equipment Purchases</u>: Equipment purchases in this category include large pieces of equipment, such as pickup and utility trucks used in daily operations, and heavy equipment and trucks. These equipment are often divided among other utilities due to expected shared use. The Public Works Director has planned nearly annual purchase of daily use trucks, resulting in approximately \$10,000 cost share from the street program annually. Also planned is one large piece of equipment annual purchase, estimated at a \$50,000 streets program cost share. \$61,000 was budgeted in 2021 for a pickup truck and a hauling/snow plowing truck. \$60,000 is estimated for 2022 through 2025 for similar items. Other large equipment may require obtaining loans.

Equipment & Supplies: Various equipment and supplies are necessary for implementation of the drinking water program. Equipment varies from year to year but typically includes tools or portions of equipment shared by other utilities. Supplies include materials and miscellaneous parts street equipment, office supplies, and equipment maintenance. For 2021, \$53,000 was budgeted for streets system needs. Going forward, from 2022 through 2025, collection system equipment and supplies is estimated to cost \$50,000 annually.

<u>Gravel Road Maintenance</u>: The City has agreements in place with surrounding townships to pay some of the cost to maintain these roads due to the assumption that City generated traffic contributes to the needed upkeep. This has increased in recent years from \$20,000 in 2016 to \$40,000 in 2021. \$40,000 is estimated for the remainder of this CIP.

<u>Snow Removal</u>: These costs primarily consist of road application materials. These costs have increased substantially in recent years, from \$25,000 in 2016 to \$107,000 in 2021. A 10% annual growth factor is assumed for these costs for the remainder of this CIP, resulting an estimated \$157,000 in 2025.

<u>Street Cleaning:</u> These costs primarily consist of materials. These costs have remained consistent at around \$,8000 recently and is expected to be \$8,000 each year for this CIP timeframe.

<u>Operational Costs:</u> Operational costs, generally utility costs, have averaged \$6,000 over the last five years. \$8,000 is estimated for 2021 through 2025.

<u>Equipment Repairs</u>: Equipment repairs have been budgeted around \$15,000 in the last couple of years. \$15,000 is expected for 2021 through 2025.

<u>Employee Costs:</u> The number of employees involved in with the streets programs has grown over the last few years and is expected to remain on this trend as the City continues to grow. The public works department is anticipating adding a generalist position each year for the next 10 years. Typically an additional 'generalist' position is created that

divides time among the drinking water, drinking water, and transportation utilities. At an expected approximation of \$60,000 for annual for wages and benefits for a public works generalist position, a quarter of this, \$15,000, would be funded from the streets program, which equates to an approximate 5% annual increase necessary for staffing. From 2016 to 2020 the annual cost for staffing of the streets program has increased from a budgeted \$214,000 in 2016 to a budgeted \$322,000 in in 2021. Overall, employee costs funded by the streets program are expected to increase a total of 12% annually, as outlined below.

	Total Employee Cost	<u>FTEs</u>
2021:	\$320,000	10
2022:	\$358,000	11
2023:	\$401,000	12
2024:	\$449,000	13
2025:	\$503,000	14

Debt Service: The City has several debt obligations associated with the streets program, all equipment loans.

	Drinking water Portion	Annual Payment
Telehandler:	25%	\$5,000
Grader:	50%	\$20,000
Sweeper:	100%	\$34,000

Revenues Projections

The general street program receives revenues from a few difference sources, but large portion is obtained from the general fund. The charts below show the annual revenues from the previous five years and the projected five years for this CIP. Provided further below are details of these revenues.





<u>Street Maintenance Fee:</u> The street maintenance fee has been applied to the general street program in the past and some of these funds are planned for general streets use in 2021, but going forward street maintenance funds will be applied only to street maintenance projects.

Intergovernmental Road Taxes: The City receives portions of the County and State taxes including the Local Government/Highway Bridge Fund, County Highway and Bridge Reserve Tax, County Wheel Tax, and from Motor Vehicle Licenses. Recently this has totaled around \$40,000 per year.

<u>Surface Transportation Program Fund:</u> The SDDOT provides surface transportation program funds to municipalities. Harrisburg is currently expected to receive \$218,000 in 2021. However, the City plans to use these funds for a major road project and so will not be available after 2021.

<u>General Fund Supplement:</u> The remainder of the general streets program relies on of general fund monies. The general fund revenues indicated are those needed to balance the budget for all capital and operational expected expenditures.

Budget Summary

Over the timeframe of this CIP the general streets program expenditure categories will generally remain at consistent cost levels at approximately similar amounts with past trends, with the exception of staffing and snow removal costs. The program will primarily rely on funding from the general fund. Because the general fund provides funding for several programs, some capital improvements and equipment purchasing could be reduced or eliminated during the annual budgeting process. The remainder of the general street program would remain as these categories are necessary to keep the program operational.

Facilities Program

The facilities program includes the maintenance and improvement of City owned facilities including buildings at the various City properties, including City Hall, the Public Works Campus, the American Legion building, old City Hall, and old Maintenance Shop. The facilities program includes capital improvements, equipment, and operations. The charts below show the annual breakdown of all expenditures from the previous five years and the planned five years for this CIP. Provided further below are details of the planned expenditures.





Capital Improvements

Engineering Studies

2021: Public Works Campus Facility Master Plan - \$0

Staff will identify future space needs for the next ten years considering future staffing needs, additional equipment, and operational space requirements. This study will also consider space available at the Water Reclamation Facility. A phased plan of improvements will be identified as a result. This study will be conducted in house.

Major Improvement Projects: Not yet identified improvements are planned in 2024 and 2025 at \$50,000.

Public Works Campus Paving Phase 3 2021: Design & Construction - \$70,000 The yard and parking areas of the public works campus had originally been gravel surfaced. In the past couple years, frequently used areas have been paved. This will continue in 2021 with paving of the area near the recently constructed salt storage shed.

Public Works Storage Expansion

2021: Design & Construction - \$20,000

The endeavor includes construction of additional space in the east building near the offices to provide space by constructing a second level again the north wall of the building. This could later be converted into additional office space if necessary.

Public Works Campus North Fence Improvements

2021: Design & Construction - \$19,000

The fence at the north entrance to the campus is currently chain link. This project includes installing a privacy fence along the north property line. This will improve privacy between the City and adjacent residential properties, and also improve security to some extent.

Public Works Campus Paving Phases 4, 5, 6, & 7

2022, 2023, 2024, 2025: Design & Construction - \$100,000 each year

The yard and parking areas of the public works campus are planned to continue being paved. This endeavor includes addressing the drainage issues at the entrance of the campus.

Public Works Main Office Expansion

2022: Design & Construction - \$150,000

The main office space is planning expansion to accommodate the anticipated additional staff in the next 10 years. The office is planned to be attached to the east wall of the existing office.

Public Works Maintenance Shop 3

2022: Design & Construction - \$300,000

A third maintenance shop is planned due to the expected additional necessary equipment.

2024 & 2025: Not Yet Identified Building Improvements - \$50,000 each year. Additional building improvements are expected in 2024 and 2025, however, these exact improvements have not yet been identified.

Land Acquisition: From time to time land acquisition may be needed for additional facilities or expansions. No land acquisition sites have been identified in the 2021-2025 CIP timeframe.

Expenditures Estimation

<u>Major Equipment Improvements</u>: Facilities equipment includes items associated with buildings such as generators. In 2021, a generator is planned for a building at a cost of \$35,000. \$30,000 is estimated annually for 2022 through 2025 for similar not yet identified items.

<u>Equipment & Supplies:</u> Various equipment and supplies are necessary for the facilities. Equipment varies from year to year but typically includes building maintenance items. For 2021, \$14,000 was budgeted. Going forward, from 2022 through 2025, \$15,000 is estimated for these needs.

<u>Operational Costs:</u> Operational costs, include utility costs such as lighting and heat. The 2021 budgeted cost is \$62,000. Due to the additional spaces planned, \$70,000 is estimated for 2022 through 2025.

<u>Emergency Repairs</u>: Emergency repairs of the system have been budgeted around \$10,00 in the last few years. \$15,000 in expected for 2021 through 2025.

Revenues Projections

The facilities program receives revenues from the general fund. The charts below show the annual revenue needs from the previous five years and the projected five years for this CIP. The general fund revenues indicated are those needed to balance the budget for all capital and operational expected expenditures.



Budget Summary

Over the timeframe of this CIP the facilities program expenditure categories will generally remain at consistent cost levels at approximately similar amounts with past trends, except for additional space needs. The space needs total \$370,000 over this CIP timeframe.

The program relies on funding from the general fund. Because the general fund provides funding for several programs, some capital improvements and equipment purchasing could be reduced or eliminated during the annual budgeting process. The remainder of the program would remain as these categories are necessary to keep the program operational. Below is shows the divide between essential and non-essential categories and those associated costs.

Category	2021	2022	2023	2024	2025
Capital Improvements	\$109,000	\$250,000	\$400,000	\$150,000	\$150,000
Major Equipment Purchases	\$35,000	\$30,000	\$30,000	\$30,000	\$30,000
Equipment & Operations	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Total	\$244,000	\$380,000	\$530,000	\$280,000	\$280,000
Essential Operations	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Non-Essential	\$144,000	\$280,000	\$430,000	\$180,000	\$180,000

Parks Program

The parks program includes the maintenance and improvement of the parks system of the City. This system includes 10 parks throughout the City. This program also includes the forestry needs of the City. The parks program includes capital improvements, equipment, operations, employee costs, and loan repayment. The charts below show the annual breakdown of all expenditures from the previous five years and the planned five years for this CIP. Provided further below are details of the planned expenditures.





Capital Improvements

Engineering Studies

2021: Bicycle & Pedestrian Master Plan - \$10,000

In conjunction with the Metropolitan Planning Organization (MPO), this study will include master planning of the bicycle and pedestrian system in and around the City, including identification of trail improvements and expansions. The total study is budgeted at \$50,000 in the MPO budget, with 80% funded by the MPO.

2021: Nine Mile Creek Recreation Area Concept Plan - \$0

The City owns approximately 7,000 linear feet along Nine Mile Creek southeast of the City. This came as a result of the water reclamation facility needs. The additional space is planned to be used as parks and recreation areas.

A conceptual master plan of this campus will be designed integrating proposed uses and footprints. This study is the first step in the master planning of the property and will be conducted internally.

<u>Major Parks Improvements</u>: Major construction projects are generally defined as larger projects with significant costs. These often must be planned years in advance in order to accommodate within the general fund budget. Loans may be necessary to fund these endeavors. Currently there are no identified major projects in the 2021-2025 CIP timeframe.

<u>Park Equipment & Facilities Improvements:</u> Additional or upgraded equipment at the various parks in the City is often requested. This category would include playground equipment and facilities such as restrooms. The list below includes budgeted items for 2021.

	Location	<u>Cost</u>
Concrete Edging:	Not Specified	\$10,000
Skate Ramp:	Not Specified	\$9,000
Fishing Pier:	Central Park	\$25,000
(Not Yet Identified):	Not Specified	\$50,000

<u>Trail Improvements</u>: Trails includes pedestrian, bicycle, and shared use paths that generally do not follow the public right-of-way and the transportation system. The planned 2021 Bicycle & Pedestrian Master Plan will aid in identifying and prioritizing these improvements. No trails are identified in this CIP.

Land Acquisition: No land acquisition sites have been identified in the 2021-2025 CIP timeframe.

Expenditures Estimation

<u>Major Equipment Purchases</u>: Equipment purchases in this category include large pieces of equipment, such as pickup and utility trucks used in daily operations, and heavy equipment and trucks. These equipment are often divided among other utilities due to expected shared use. The Public Works Director has planned nearly annual purchase of daily use trucks, resulting in approximately \$10,000 cost share from the parks fund annually. Also planned is one large piece of equipment annual purchase, estimated at a \$50,000 parks fund cost share. \$61,000 was budgeted in 2021 for a pickup truck and a hauling/snow plowing truck. \$60,000 is estimated for 2022 through 2025 for similar items.

<u>Equipment & Supplies:</u> Equipment varies from year to year but typically includes tools or portions of equipment shared by other utilities. Supplies include materials such as seed, fertilizer, and mulch, items to address the ash borer, and equipment maintenance. Equipment and supplies have cost \$72,000 on average over the last five years. For 2021, \$74,000 was budgeted. \$75,000 is estimated for the remainder of this CIP.

<u>Operational Costs:</u> Operational costs, include utility costs such as park lighting. The 2021 budgeted cost is \$28,000. With no anticipated major additions, \$30,000 is estimated for the remainder of this CIP.

<u>Emergency Repairs</u>: Emergency repairs of the system have been budgeted around \$20,00 to \$30,000 in the last few years. \$30,000 in expected for 2021 through 2025.

Employee Costs: There are currently 10 employees at public works, which all are involved with the parks program to some extent. These costs also include various annual vendor and professional services. The amount of staff effort to maintain the parks program is expected to remain on a growth trend as the City continues to grow. The public works department is anticipating adding a generalist position each year for the next 10 years. At an expected approximation of \$60,000 for annual for wages and benefits for a public works generalist position, a quarter of this, \$15,000, would be funded from parks, which equates to an approximate 5% annual increase necessary for staffing. Additionally, wages are expected to increase 5% on average, which is a combination of merit and inflationary increases. Benefits, such as health insurance, are estimated to increase 2% to keep with inflation. From 2016 to 2020 the annual cost for staffing of the parks program has increased from a budgeted \$95,000 in 2016 to a budgeted \$156,000 in 2021. Overall, employee costs funded by the parks program are expected to increase a total of 12% annually from 2021 through 2025, as outlined below.

	<u>Total Employee Cost</u>	<u>FTEs</u>
2021:	\$156,000	10
2022:	\$175,000	11
2023:	\$196,000	12
2024:	\$220,000	13
2025:	\$246,000	14

<u>Recreation Subsidies:</u> The City has historically provided subsides to local sports programs. Lately, the Harrisburg Baseball Association has been the primary program receiving these funds. In 2021, this amount was budgeted at \$25,000, and this amount was assumed for the remainder of this CIP timeframe.

<u>Events</u>: The City has sponsored local events that promote the local parks. This has typically been budgeted at \$10,000, and this amount was planned for this CIP timeframe.

<u>Debt Service:</u> The City has one current debt only for equipment loans. The table below shows these loans and the portion this program is responsible for. Additional equipment loans may be feasible due to their typically relatively small amounts; however, no additional items are expected in this CIP.

	Wastewater Portion	<u>Annual Payment</u>
Telehandler:	25%	\$5,000
Grader:	25%	\$10,000

Revenues Projections





<u>Parks Fee:</u> There is a parks administration fee in place for all new building permits. This has been set at \$250 each. In recent years approximately 60 to 70 building permits are issued annually in the City, equating to an annual revenue of \$20,000 conservatively expected for the 2021-2025 CIP timeframe.

<u>General Fund Supplement</u>: The remainder of the parks program relies on general fund monies. The general fund revenues indicated are those needed to balance the budget for all capital and operational expected expenditures.

Budget Summary

Over the timeframe of this CIP the parks program expenditure categories will generally remain at consistent cost levels at approximately similar amounts with past trends, with the exception of staffing costs. The program primarily relies on funding from the general fund. Because the general fund provides funding for several programs, some capital improvements and equipment purchasing could be reduced or eliminated during the annual budgeting process. The remainder of the program would remain as these categories are necessary to keep the program operational. Below is shows the divide between essential and non-essential categories and those associated costs.

Category	2021	2022	2023	2024	2025
Capital Improvements	\$95,000	\$100,000	\$100,000	\$100,000	\$100,000
Major Equipment Purchases	\$61,000	\$60,000	\$60,000	\$60,000	\$60,000
Equipment & Operations	\$130,000	\$135,000	\$135,000	\$135,000	\$135,000
Employee Costs	\$156,000	\$175,000	\$196,000	\$220,000	\$246,000
Other	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Debt Service	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Total	\$492,000	\$520,000	\$541,000	\$565,000	\$591,000
Essential Operations	\$301,000	\$325,000	\$346,000	\$370,000	\$396,000
Non-Essential	\$191,000	\$195,000	\$195,000	\$195,000	\$195,000

General Fund Budget

Expenditures Estimation

The general fund is a source of funding for capital improvements and other expenditures of the General Streets Program, the Facilities Program, and the Parks Program. The general fund is also the primary revenue source for the remainder of the general activities of the City, including the Administrative, Finance, Planning and Building Services, Public Safety, and Library departments. The charts below show the annual breakdown of all expenditures in the general fund from the previous five years and the estimated projections in the next five years for this CIP.





<u>Administration</u>: This includes costs of City boards, City administration, communication, economic development, and the Facilities Program. This department have increased approximately 3% annually over the last five years, with the exception of 2021 due to additional employees. Taking into account the Facilities Program costs detailed in that section, and assuming increase of 3% for the remainder of this department was the methodology to estimate the future expenditure needs for this CIP timeframe.

<u>Finance:</u> This includes costs of the finance department, which has increased approximately 3% annually over the last five years, with the exception of 2021 due to expected additional staffing needs. A 3% increase was estimated for the future expenditure needs for this CIP timeframe.

<u>Planning & Building Services:</u> This includes costs of planning and building inspection, which has increased approximately 5% annually over the last five years, with the exception of 2021 due to expected additional staffing needs. A 5% increase was estimated for the future expenditure needs for this CIP timeframe.

<u>Streets:</u> This includes costs of the streets program that required general fund supplementation. The basis for these costs are detailed in the Transportation Program section. For the 2021-2025 timeframe, the street maintenance fee revenues are shown separate to reflect the direction of these funds only to street maintenance needs.

<u>Library, Parks & Recreation</u>: This includes the cost of the library program and the Parks Program. The Parks Program costs are detailed in their section of the document. The library program has increased approximately 3% annually over the last five years, and this rate was applied to estimate the future expenditure needs for this CIP timeframe.

<u>Public Safety</u>: This includes the cost of animal control, code enforcement, fire protection, and police. These costs have has increased approximately 4% annually over the last five years, and this rate was applied to estimate the future expenditure needs for this CIP timeframe.

Revenues Projections

<u>Property Tax:</u> This tax accounts for a large portion of general fund revenues. This revenue has increased at a rate of 5% over the last five years, due primarily to City growth, and this rate was assumed to continue for projecting future property tax revenues for this CIP timeframe.

<u>Sales Tax:</u> This tax accounts for a large portion of general fund revenues. This has increased at a rate of 7% over the last five years and this rate was assumed to continue for projecting future sales tax revenues for this CIP timeframe.

<u>Licenses & Permits:</u> These revenues include all licenses and permits required for residents, businesses, and development in the City. This category only provides about 3% of all general revenues. This has increased approximately 10% annually over the last five years. A conservative 5% growth rate was assumed for the purposes of this CIP.

<u>Intergovernmental Taxes</u>: These revenues primarily include road taxes used by the general streets program but also include other miscellaneous county and states taxes shared to municipalities. This category had previously provided 8% of overall general revenues, but with the STP funds being directed to arterial street improvements, this revenue amount will decrease for the remainder of this CIP to about 3% of revenues. This has increased approximately 18% annually over the last five years, but with the removal of STP funds, only 2% growth rate is expected for the remainder of this CIP timeframe.

<u>Goods & Services:</u> This includes primarily development fees but also includes miscellaneous services provided by the City. This has increased approximately 12% annually over the last five years. 10% growth rate is estimated for the remainder of this CIP timeframe.

<u>Miscellaneous Revenue</u>: This includes miscellaneous small revenues such as rentals and interest earned on accounts. These revenues have has increased approximately 3% annually over the last five years, and this rate was assumed to continue for projecting future revenues for this CIP timeframe.

<u>Street Maintenance Fee:</u> The street maintenance fee is applied primarily to street maintenance improvements. The projected revenue is based on the projections discussed in the Street Maintenance Program section, but generally these revenues are expected to increase approximately 15% annually considering recommended rates and growth.





Budget Summary

Over the timeframe of this CIP the general fund will maintain a healthy reserve balance amount, while able to appropriately sustain and improve this infrastructure systems reliant on this fund for revenue, namely the General Streets, Facilities, and Parks Programs. The charts below show the budget from the previous five years and the projected five years for this CIP timeframe. The general fund is projected to have a reserve of approximately \$5,840,000 at the beginning 2021, while the expected revenues is \$4,113,000. Over this CIP timeframe the reserve amount will decrease slightly and end at a projected reserve balance of \$5,521,000 in 2025 when revenues are projected to be \$4,737,000.





Indebtedness Review

<u>Existing Debt</u>: Debt capacity of municipalities in South Dakota are limited under Article 13 of the state's constitution to an amount not to exceed 5% of the City's total assess valuation of taxable property. This capacity can be increased to 10% if certain conditions are met. Some debt does not count toward the total indebtedness if a surcharge is in place to cover the costs of a specific project. Shown below is a list of the City's current debts, with amounts reflected as of July 2020.

Date of Original	Name of Issue	Interest	Maturity	Annual Debt Service	Current Outstanding Balance	Not Constituting	Constituting
2007	Water Surcharge Revenue Bond (SRF/DW-02) (Lewis & Clark Prepay)	3.250%	10/15/2028	\$88,215	\$636,120	\$636,120	\$0
2008	Water Surcharge Revenue Bond (SRF/DW-03) (Water Tower)	3.250%	1/15/2031	\$119,707	\$1,061,292	\$1,061,292	\$0
2011	Wastewater Revenue Bond (SRF/CW-03) (Forcemain)	3.250%	1/1/2042	\$133,074	\$2,052,970	\$2,052,970	\$0
2014	Wastewater Revenue Bond (SRF/CW-04) (Columbia Sanitary Sewer)	2.250%	1/1/2044	\$45,492	\$525,923	\$525,923	\$0
2014	Storm Water Assessment Bond (SRF/CW-05) (Columbia Storm Drainage)	3.000%	1/1/2034	\$97,370	\$1,061,345	\$1,061,345	\$0
2014	TIF District #2 (JHT, LLC)				\$773,950		\$773,950
2017	TIF District #3 (Mills Creek Addition)				\$0	\$0	\$0
2018	TIF District #4 (Ackerman)				\$0	\$0	\$0
2018	Wastewater Surcharge Revenue Bond, Series 2018 (WWTF Land)	3.680%	12/15/2038	\$181,867	\$2,400,000	\$240,000	\$2,160,000
2019	Wastewater Revenue Bond Series 2019 (SRF/CW07) (WWTF)				\$24,487,000	\$24,487,000	\$0
2019	Water Surcharge Revenue Bond, Series 2019 (Hwy 115 Water Main)				\$1,390,000	\$1,390,000	\$0
2020	Wastewater JPA (Westside Sewer)	1.500%	3/3/2025		\$1,024,944		\$1,024,944
2020	Vactor Truck - 7 year lease to own		1/1/2027		\$390,650		\$390,650
2020	Telehandler - 7 year lease to own	3.990%	1/1/2027		\$110,470		\$110,470
2020	Street Sweeper - 7 year lease to own		1/1/2027		\$185,294		\$185,294
2020	Grader - 7 year lease to own	3.390%	1/1/2028		\$257,012		\$257,012
	Totals			\$483,857	\$36,356,970	\$31,454,649	\$4,902,320

<u>Planned Additions</u>: The City's valuation as of January 2019 was approximately \$428,041,000. Five percent of this, \$21,402,000, is the current debt capacity. The remaining debt capacity considering current obligations that constitute debt is \$16,499,000. The following projects are planned in this CIP, which total \$8,900,000. This is well within the debt capacity limits. Also consider that these projects could also be funded through surcharges, as a result not constituting as debt. And the City's taxable property likely increases at least 4% annually due to growth, resulting in greater debt capacity over time.

TOTAL	\$8,900,000
Cliff Avenue Improvements:	\$2,150,000
Cliff & Willow Intersection:	\$2,000,000
South Cliff & Green Meadows Trunk Sewer:	\$1,000,000
Nine Mile Trunk Sewer:	\$1,000,000
Southeast Area Improvements Phase 1:	\$2,750,000

Rate Review

This document has discussed capital and overall expenditures, projected revenues, and reviewed budgets for each utility, and within this analysis has recommended user rates for many of the programs. Rate changes for the various fees from the previous five years and planed five years for this CIP are shown in the charts below show. These rates fluctuated often in the previous five years, and included substantial increases in nearly all programs during that timeframe with the exception of the drinking water program. The drinking water program adjusted the fee structure to take into consideration the cost of lawn irrigation, and as a result, the wastewater rates increase more than previously scheduled. The wastewater program has several years of substantial increases due to the necessary treatment improvements. Storm drainage and street maintenance fees began at higher rate increases but the rate of these increases have not been continued.



As shown in the following chart, going forward for the timeframe of this CIP, user rate increases are only to keep up with inflation in the stormwater, wastewater, and drinking water programs. The street lighting fee has not recommended any increase whatsoever. The street maintenance program fee has recommended rate increases above inflation, due to the recommended revenues required to adequately maintain the streets system as recommended in the 2019 study, and these fees do not even meet the study recommendation but are closing the gap. Provided below is also chart showing recommend rate increases after removing expected inflation.



The impact to the average residential user's total monthly fee for all utilities is shown in the following chart. There were substantial increases between 2016 and 2020, but from 2021 through 2025 an overall fee increase ranging from 3.5% to 4.7% is recommended during these years. But as previously discussed, after removing inflation this fee increase is between 0.0% to 0.6% per year. If only inflationary increases were applied instead of the recommended increases, the overall user cost would be \$191.19 per month instead of the \$192.41 per month in 2025.



Projects & Studies Tables

Stormwater Capital Improvement Plan	2021	2022	2023	2024	2025
Engineering Studies	\$50,000	\$100,000	\$0	\$150,000	\$50,000
Stormwater Regional BMP Plan	\$50,000				
Drainage Fee Rate Study Update	\$0				
Southeast Area Master Improvements Preliminary Plan		\$100,000			
Nine Mile Creek Tributaries Basins Master Drainage Plan				\$150,000	
East-Central Basin Master Drainage Plan					\$50,000
Maior Stormwater Improvements	\$100.000	\$0	\$100.000	\$2.050.000	\$0
Lincoln Meadows Detention Facility	\$100.000		<i> </i>	+_,,	<i>•••</i>
Southeast Area Improvements Phase 1	+,		\$100,000	\$2,050,000	
Pond & Channel Maintenance	\$100.000	\$100.000	\$100.000	\$100.000	\$100,000
Industrial Park Pond Mucking	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000
Northwest Green Meadows Pond Mucking	\$30,000	\$50,000			
Southeast Green Meadows Pond Mucking		\$30,000	\$50.000		
Legendary Estates Pond Mucking			\$50,000	\$50,000	
(Not Vet Identified Pond Maintenance)				\$50,000	\$50.000
Homosite/Southoast/Logondary Miss Aroas	\$50,000				\$50,000
Crock at Groop Moadows	\$30,000	\$50,000			
Downstroam Columbia Basin		\$30,000	\$50,000		
			\$30,000	\$50,000	
(Not Yet Identified Channel Maintenance)				\$50,000	\$50.000
Charmenter Consiste Densis	¢20,000	¢20,000	¢20,000	¢20,000	¢30,000
stormwater Concrete Repairs	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Minor Flows Improvements	\$170,000	\$50,000	\$50,000	\$50,000	\$50,000
Macey Ave Area Collection System & Grading	\$170,000				
Legendary Dr Area & Emmet Trl Area Collection Systems		\$50,000			
Raven Ave Area Collection System			\$50,000		
Brannon Dr Area Collection System				\$50,000	
(Not Yet Identified Collection System)					\$50,000
Oversizing Reimbursement	\$0	\$0	\$300,000	\$50,000	\$50,000
Mydland Regional Pond			\$300,000		
(Not Yet Identified Reimbursement Requests)				\$50,000	\$50,000
Land Acquisition	\$100,000	\$10,000	\$10,000	\$10,000	\$10,000
Lincoln Meadows Detention Facility	\$100,000				
(Not Yet Identified Land Acquisitions)		\$10,000	\$10,000	\$10,000	\$10,000
TOTAL	\$550,000	\$290,000	\$590,000	\$2,440,000	\$290,000
TOTAL (Excluding Loans)	\$550.000	\$290.000	\$590.000	\$390.000	\$290.000
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Wastowator Capital Improvement Plan	2021	2022	2023	2024	2025
wastewater Capital Improvement Plan	2021	2022	2025	2024	2025
Engineering Studies	\$200,000	\$75,000	\$75,000	\$0	\$0
Westside Sanitary Sewer Study	\$100,000				
Eastside Sanitary Sewer Study	\$75,000				
Wastewater User Fee Rate Sudy	\$25,000				
Sanitary Sewer System Model		\$50,000			
Southeast Area Master Improvements Preliminary Plan		\$25,000			
Southside Sanitary Sewer Study			\$75,000		
Water Reclamation Improvements	\$12,947,000	\$500,000	\$50,000	\$50,000	\$50,000
Water Reclamation Facility Construction	\$12,947,000				
Lagoon Decommissioning		\$500,000			
(Not Yet Identified Facility Improvements)			\$50,000	\$50,000	\$50,000
Collection System Improvements	\$0	\$0	\$1,000,000	\$1,000,000	\$200,000
Nine Mile Trunk Sewer Installation Phase 1			\$1,000,000		
South Cliff Trunk Sewer Installation				\$500,000	
Green Meadows Trunk Sewer Reconstruction				\$500,000	
Southeast Area Improvements - Phase 2: Anna Way					\$200,000
Collection System Rehabilitation	\$100.000	\$100.000	\$100.000	\$100.000	\$100.000
Downtown Area Pipe Relining	\$100.000	\$100,000	\$100,000	÷100,000	÷100,000
Grand Avenue Area Pipe Relining	¢100,000	\$100.000			
Sioux Falls Manhole Rehabilitation	+	¢100,000	\$100.000	\$100.000	
(Not Yet Identified Rehabs/Replacements)	+		÷100,000	\$100,000	\$100.000
	¢150.000	\$200,000	¢0.	ćo	<u> </u>
Mills Creek Trunk Sewer	\$150,000	\$300,000	ŞU	υç	30
	¢12 207 000	\$300,000	¢1 335 000	¢1 1E0 000	¢250.000
	\$12,331,000	22/2,000	,∠∠⊃,UUU	\$1,120,000	2220,000

\$450,000

\$475,000

\$225,000

\$150,000

\$350,000

TOTAL (Excluding Loans)

Drinking Water Capital Improvement Plan	2021	2022	2023	2024	2025
Engineering Studies	\$75,000	\$125,000	\$100,000	\$50,000	\$50,000
Aquifer Exploration Study	\$50,000				
Water User Fee Rate Sudy	\$25,000				
Water Serivce Connection Fee Analysis	\$0				
Water Main Expansion Master Plan	\$0				
Southeast Area Master Improvements Preliminary Plan		\$25,000			
Water Treatment Feasibility Study		\$50,000			
Water Distribution System Model		\$50,000			
Well Exploration			\$100,000		
(Not Yet Identified Water Supply Studies)				\$50,000	\$50,000
Water Main System Improvements	\$750,000	\$0	\$0	\$700,000	\$100,000
Cliff & Industrial Water Main Installation	\$250,000				
Willow & Cliff Water Main Installation	\$500,000				
Southeast Area Improvements - Phase 1: Perry Ln				\$700,000	
Southeast Area Improvements - Phase 2: Anna Way					\$100,000
Distribution System Improvements	\$0	\$50,000	\$50,000	\$50,000	\$50,000
Utility Billing Improvements	\$200,000	\$200,000	\$200,000	\$0	\$0
Oversizing Reimbursement	\$30,000	\$30,000	\$0	\$0	\$0
Flatiron Water Main	\$30,000				
Mills Creek Water Main		\$30,000			
Land Acquisition	\$10,000	\$50,000	\$10,000	\$10,000	\$10,000
Water Storage Facility		\$50,000			
(Not Yet Identified Land Acquisitions)	\$10,000		\$10,000	\$10,000	\$10,000
TOTAL	\$1,065,000	\$455,000	\$360,000	\$810,000	\$210,000
TOTAL (Excluding Loans)	\$1,065,000	\$455,000	\$360,000	\$110,000	\$210,000

Transportation Capital Improvement Plan	2021	2022	2023	2024	2025
Engineering Studies	\$320,000	\$0	\$0	\$0	\$0
Cliff Avenue Corridor Preliminary Plan	\$90,000				
Willow Street Corridor Preliminary Plan	\$80,000				
Downtown Mater Plan	\$50,000				
Master Transportation Plan	\$35,000				
Miscellaneous Traffic Studies	\$15,000				
Wetlands Prelminary Plan	\$50,000				
Street Condition Study Update				\$50,000	
(Not Yet Identified Studies)		\$50,000	\$50,000		\$50,000
Street Reconstruction	\$0	\$0	\$0	\$150,000	\$250,000
Prairie Avenue				\$150,000	
Main Street					\$250,000
Surface Treatment	\$100,000	\$175,000	\$200,000	\$150,000	\$150,000
Shebal, Grand, Walnut, Chestnut, Elm	\$100,000				
(Not Yet Identified Slurry Seal)		\$175,000	\$200,000	\$150,000	\$150,000
Street Repairs	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000
Resurfacing	\$200,000	\$250,000	\$300,000	\$300,000	\$300,000
Augustana Ave	\$200,000				
Kent St & Chockcherry St		\$250,000			
Almond Ave & Cottonwood St			\$300,000		
Lois Ln & Emmet Trl				\$300,000	
Maple St					\$300,000
Arterial Street Improvements	\$2,000,000	\$2,150,000	\$0	\$0	\$1,000,000
Cliff Ave & Willow St Intersection Improvements	\$2,000,000				
Cliff Avenue Improvements		\$2,150,000			
Willow Street Improvements					\$1,000,000
Street Lighting Improvements	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Pedestrian Network Improvements	\$70,000	\$80,000	\$90,000	\$100,000	\$100,000
S Cliff, Misc	\$70,000				
N Cliff, Misc		\$80,000			
(Not Yet Identified Locations)			\$90,000	\$100,000	\$100,000
Land Acquisition	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
TOTAL	\$2,770,000	\$2,785,000	\$720,000	\$830,000	\$1,930,000
TOTAL (Excluding Loans)	\$770,000	\$635,000	\$720,000	\$830,000	\$1,930,000

Facilities Capital Improvement Plan	2021	2022	2023	2024	2025
Engineering Studies	\$0	\$0	\$0	\$0	\$0
Public Works Campus Facility Master Plan	\$0				
Capital Imrpovements	\$109,000	\$250,000	\$400,000	\$150,000	\$150,000
Public Works Campus Paving Phase 3	\$70,000				
Public Works Strorage Expansion	\$20,000				
Public Works Campus North Fence Improvements	\$19,000				
Public Works Campus Paving Phases 4, 5, 6, & 7		\$100,000	\$100,000	\$100,000	\$100,000
Public Works Main Office Expansion		\$150,000			
Public Works Maintenance Shop 3			\$300,000		
(Not Yet Identified Improvements)				\$50,000	\$50,000
TOTAL	\$109,000	\$250,000	\$400,000	\$150,000	\$150,000
Parks Capital Improvement Plan	2021	2022	2023	2024	2025
Engineering Studies	\$10,000	\$0	\$0	\$0	\$0
Bicycle & Pedestrian Plan	\$10,000				
Nine Mile Creek Recreation Area Concept Plan	\$0				
Capital Imrpovements	\$94,000	\$100,000	\$100,000	\$100,000	\$100,000
Concrete Edging	\$10,000				
Skate Ramp	\$9,000				
Fishing Pier	\$25,000				
(Not Yet Identified Improvements)	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000
TOTAL	\$104,000	\$100,000	\$100,000	\$100,000	\$100,000

Project Maps by Program













Project Maps by Year









