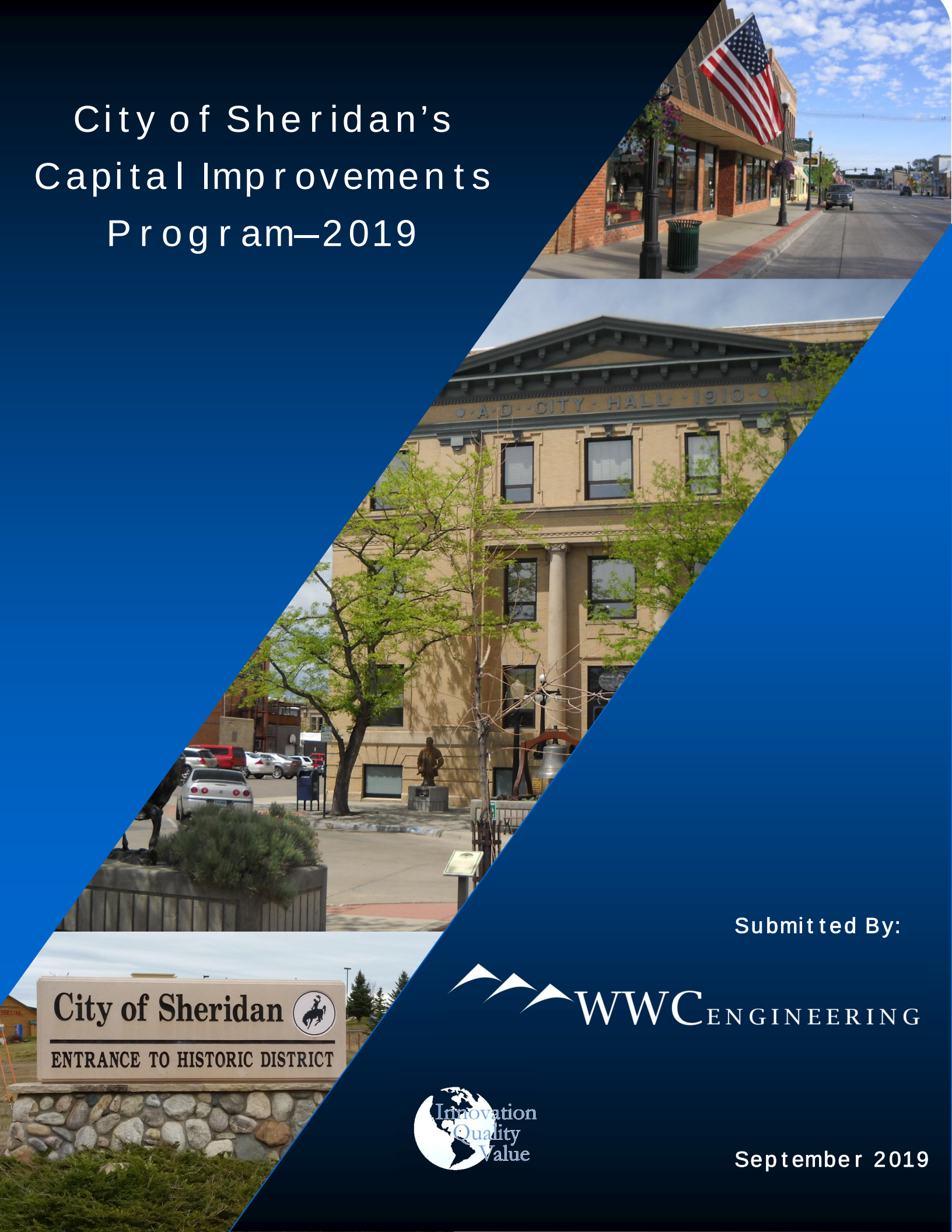
City of Sheridan's Capital Improvements Program–2019



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Innovation
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Value

September 2019

City of Sheridan's Capital Improvements Program–2019

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CAPITAL IMPROVEMENTS PROGRAM – 2019
CITY OF SHERIDAN

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1.0 INTRODUCTION

A Capital Improvements Program (CIP) is a budgetary and financial tool that allows communities to plan beyond immediate needs and evaluate the long-term needs for maintaining, improving, or building new public facilities. It is always prudent to look at the means necessary to improve and replace public facilities and systems to provide adequate service, beyond ordinary operation and maintenance. This requires an examination of upcoming needs, an understanding of the costs associated with these needs, and the formulation of a program to provide for and meet these needs – in short, a CIP.

This document presents the CIP for the City of Sheridan (City), describing the process of evaluating project needs through document research, key City personnel's institutional knowledge, and developing a sound approach to identify and prioritize all proposed improvements. The CIP covers the 10-year planning period of 2020–2029, with details for projects identified in the first 5 years. This document serves as an update to the City's 2014 CIP, which focused solely on street, utility conveyance (storm drain, sanitary sewer, and potable water), and streetscape enhancement projects. This CIP provides a significant expansion to the previous CIP to also encompass:

- Water and wastewater treatment plants
- Solid waste facilities
- Pedestrian facilities
- Parks and cemetery improvements
- Fleet purchases over $100k
- Capital expenditures over $100k

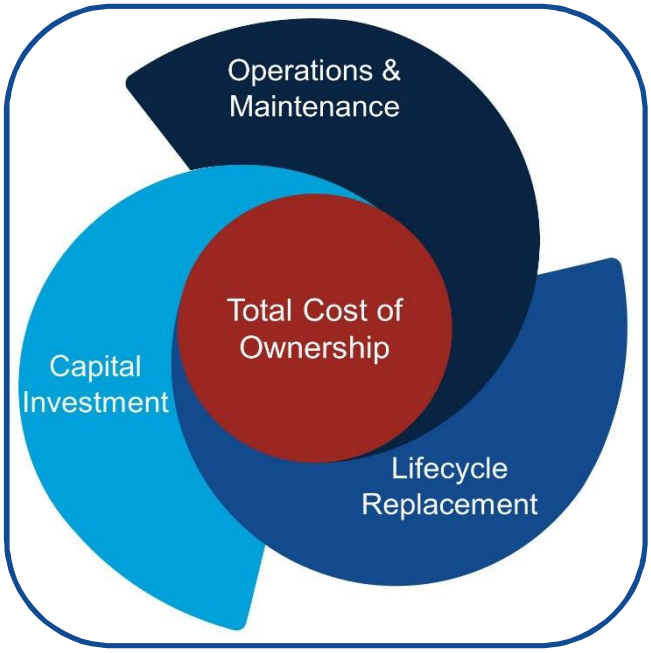
PURPOSE

The CIP is an invaluable planning tool for the City to ensure proper planning and implementation of public facility expansion and improvements. It is intended to be a living document that should be reviewed and updated periodically to reflect changing priorities resulting from growth patterns, local economic conditions, state or federal regulations, health and safety concerns, funding availability, or other unforeseen factors. Consistent and correct application of the CIP ensures the following:

- Provides a consistent CIP planning process through any City personnel changes.
- Provides a mechanism for identifying and prioritizing expanding community needs against available funds, supplying the framework for the City to leverage funding opportunities to guide project implementation while considering competing projects and public interests.

- Prioritizes aged infrastructure replacement prior to complete failure, which can significantly reduce total life-cycle costs and improve the overall efficiency of the City's infrastructure.
- Provides greater flexibility in adjusting projects based on changing priority by detailing all avenues for project funding opportunities.
- Promotes more efficient government operation through improved planning, scheduling, and combining multiple projects.
- Educates the community on the City's developing needs for improvements as well as its ongoing need for revenue sources to fund public projects.
- A well-planned CIP gives the community confidence that the City Council and City staff are proactively evaluating improvements and maintenance needs and the means to finance these projects.

TOTAL COST OF OWNERSHIP



The total cost of ownership (TCO) is a financial and management tool used to determine the total cost of owning and operating each City asset. TCO consists of three expense types, each of which are necessary to efficiently allocate the City's fiscal, infrastructure and equipment resources. A Capital Investment is the upfront monetary investment required to construct new facilities and infrastructure. Operations & Maintenance (O&M) costs refer to the total cost associated with operating and maintaining an asset. Examples of O&M costs include administrative costs, personnel costs, spare parts and repairs, scheduled and unscheduled maintenance, and all other costs associated with operating and maintaining a capital asset. Lifecycle Replacement (LR) is the final expense associated with the TCO of an asset. Every capital investment requires eventual reinvestment to maintain the assets intended use for the City. LR is the process of maintaining the functionality of an asset through its estimated lifespan, considering current and future needs, while preparing for its eventual replacement. All three components that comprise an assets TCO should be thoroughly vetted when planning to decommission, upgrade, replace or construct new public facilities.

PROGRAM ORGANIZATION

The overall CIP planning process including the approach used to research and analyze project opportunities, identify and prioritize projects, identify funding sources to support project implementation, and schedule and implement the CIP is provided in the following sections. This CIP is recommended to be used by City staff as a flexible tool to analyze and prioritize projects based on the ever-changing priorities and needs of the City.

In addition to this report is a digital file that contains the projects, decision matrix, scoring criteria, and funding allocations identified in this report. The file provides City staff with a useful tool to add, remove, or modify projects, allowing for analysis and reprioritization in coordination with Mayor, City Council, City Administrator, or other department requests.

2.0 CAPITAL IMPROVEMENTS PLANNING PROCESS

The capital improvement projects evaluated in this report were selected using the process detailed in Section 4. They represent the City's most pressing infrastructure and facilities projects needed to maintain and improve community services.

This CIP is intended to be used by the City in annual and long-range planning and budgeting so these improvements can be realized. It is critical to update and renew this plan regularly (at least every 5 years) to keep it current and practical and to keep proper focus and attention of the local government on these needs.

POPULATION SERVED

The last decennial census was conducted in 2010. At that time, the City had a population of 17,444 (CensusViewer, 2019). According to the United States Census Bureau (USCB) Population Estimates Program, the City experienced steady population growth totaling 2.3% between 2010 and 2017 (USCB 2019). Due to this consistent growth, it is reasonable to assume that the City population will continue to grow approximately 0.33% per year, which is consistent with the recent growth trend.

The City of Sheridan's sense of community, key services, workforce diversity, abundant recreational opportunities, and strong education system are just a few of the many reasons why the community is expected to maintain a stable, growing population. According to the 2010 Census, the median age of City residents is 38.4 years (USCB 2019).

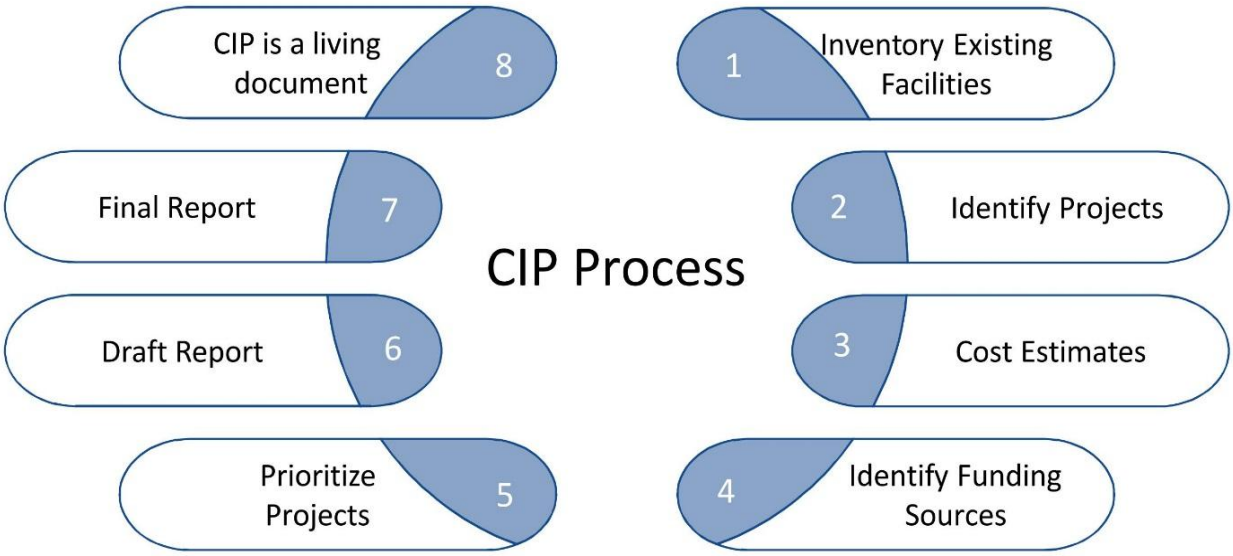
It is imperative that the City have a plan for maintenance and improvements to ensure the continued functionality of its facilities and infrastructure. Since the City is not expected to

experience rapid population growth in the near future, improvements to public infrastructure may be driven more by regulatory needs and/or aging infrastructure than by population growth.

PROCESS

Using a traditional needs-driven approach, WWC Engineering (WWC) developed this CIP to prioritize the list of improvements to City facilities and public works. A comprehensive approach incorporating past City CIPs, CIPs from various communities in the region, and WWC's CIP experience were all used in the development of this report. Effective capital improvement planning follows a logical and sequential process as shown in Figure 1.

Figure 1. CIP Process



To inventory the capital improvement needs, it is often convenient to place facilities into categories that are not necessarily mutually exclusive. Future revisions to this CIP will allow planners to re-categorize projects as needed, based on future needs, available funding sources, and the desire of an agency or department to complete the project. Capital improvement project categories identified for this report include:

- Water and wastewater treatment plants
- Parks, cemetery, and pathways
- Street/Utilities (often termed complete reconstruction projects)
- Streets
- Utilities (water, wastewater, storm water)
- Solid waste

- Fleet purchases over $100k
- Capital expenditures over $100k

Evaluation Criteria: A decision matrix was developed to evaluate and score each proposed project using common criteria to develop a priority list. Considering that there will always be more project needs than available funding, judiciously identifying projects with the greatest public benefit preserving fiduciary responsibilities is a critical step in the CIP process. In collaboration with City staff, categories were established to evaluate each project within the decision matrix, which include:

- Health & Safety/Regulatory Compliance – Does the project address an urgent health or safety concern, legal mandate, or code compliance?
- Funding Availability – What type of funding is available for the project, including City revenue, Enterprise funds, loans, grants, etc.?
- Public Ranking – How did the project rank based on community outreach surveys? (refer to Section 4 and Appendix A for details)
- Consolidation of Projects – Does the project coincide with or have the potential to be combined with other projects of similar type or in the same vicinity?
- Strategic Alignment – Does the project align with the City's strategic goals set forth in planning documents?

Goals: The CIP has been developed to achieve the following goals:

- Forecast public facilities and infrastructure improvements needed in the near future
- Anticipate and identify financing needs to maximize available federal, state, and private funding opportunities
- Promote sound financial planning and serve as a guide for budgetary decisions
- Demonstrate the need for facilities and the need for revenues to pay for them
- Ensure the timely provision of adequate facilities to maintain services that are important to the quality of life in the area
- Maintain satisfactory operating efficiency and safety of existing capital facilities
- Provide facilities needed to accommodate growth
- Provide evidence to agencies that award grants and loans that the City is planning for capital improvements, including the need for local matching funds and/or loan repayment

- Implement recommendations from City planning documents and studies for capital improvements

Benefits: There are numerous benefits that result from proper capital improvement planning. The following is a list of those that will be of great significance to the City:

- Provide for a systematic evaluation of all potential projects at the same time, assuring the most important needs are addressed first and obtain needed funding
- Avoid failure or degradation of public facilities by preserving infrastructure while ensuring efficient use of public funds
- Keep the public informed of critical needs, community objectives, and fiscal capacity (i.e., funding limitations)
- Identify the most economic means of financing capital projects and maximizing opportunities for obtaining federal and state aid with advanced planning
- Provide opportunities to stabilize debt, consolidate projects to reduce financing costs, and improve the City's credit rating
- Coordinate activities to reduce duplication, avoid costly mistakes, and keep financial burdens in line with capabilities
- Enhance opportunities for economic growth and stability by providing facilities and improvements necessary to maintain a healthy balance of residential, commercial, and industrial growth

3.0 ECONOMIC GROWTH OPPORTUNITIES

Initiatives and projects that either directly or indirectly promote economic development within and surrounding the City should always be at the forefront of City planning efforts. As described above, a properly developed and maintained CIP can provide critical guidance for City staff and elected officials in identifying a variety of economic development opportunities. Opportunities can take many forms, whether directly enhancing infrastructure or indirectly assisting local boards and associations with their initiatives. Following is a brief discussion on ways the City can promote economic development.

INFRASTRUCTURE AND FACILITIES PROJECTS

Infrastructure projects generally provide limited opportunities to promote economic development. Exceptions to this include planning and development with the specific purpose of attracting new businesses and industries to the Sheridan area. A great example of utility and infrastructure development that resulted in economic growth is the creation of the High-Tech Business Park. This new development attracted large companies like Vacutech, LLC and Weatherby, Inc. to the City and has also provided an opportunity for Kennon Products, Inc. to expand its facilities. Also, the North Main

Interchange project has resulted in significant improvements to the northern gateway to the City and improved access to current and future businesses.

Conversely, it is vital that the City recognize potential unintended consequences to economic development during design and construction of infrastructure and facilities projects. An example of this is the upcoming Main Street Rehabilitation project. This project, which will be completed in conjunction with the Wyoming Department of Transportation (WYDOT), consists of complete street and utility reconstruction throughout the City's Historic Main Street. Coordination with downtown businesses, strategic planning, construction phasing, and providing for traffic and parking near Main Street will be important to minimize the potential financial impacts to downtown merchants.

Park and Recreation Projects

In contrast to infrastructure projects, the creation or improvements to parks and open spaces can have a direct impact on economic growth to the Sheridan area. Entryway beautification projects, such as the North Sheridan Interchange, Gateway Park, and the recently started East 5th Street Corridor project, attract visitors to the City and boost the local economy.

Partnerships and Support of Local Entities

The City often supports local organizations, initiatives, and activities whose primary focus is economic development of the Sheridan area. Below is a partial list of local organizations the City can partner with and support to promote and enhance economic growth:

- Antelope Butte Foundation
- Downtown Sheridan Association (DSA)
- Forward Sheridan
- Ramaco Carbon's iCAM and iPark research and manufacturing facilities
- Johnson and Sheridan County Critical Air Service Team (CAST)
- North Main Association
- Northern Wyoming Community College District, Sheridan College
- Sheridan Community Land Trust

- Sheridan County Chamber of Commerce
- Sheridan County Conservation District
- Sheridan Economic and Educational Development Authority Joint Powers Board (SEEDA)
- Sheridan Travel and Tourism Joint Powers Board
- Sheridan WYO Rodeo
- Whitney Benefits, Inc.

Although not comprehensive, this list provides insight into the types of community organizations specifically focused on economic development and long-term sustainability of the Sheridan area. Many have developed planning documents, boards, and committees to research, develop, and implement strategies to grow, strengthen, and promote the economic health and vitality of Sheridan area. In addition, City support of local community events like the 3rd Thursday Street Festival, Sheridan Farmers Market, Sheridan WYO Rodeo, Snicker's Big Horn Soccer Cup, and the Hoop Jam 3-on-3 basketball tournament all provide significant boosts to the local economy.

4.0 CIP DEVELOPMENT APPROACH

This CIP was developed as a blueprint for the maintenance, replacement, and construction of important infrastructure to support the continued growth and development of the City. The CIP was developed using the following steps:

1. Staff members of the Utilities and Engineering departments worked with WWC to determine the scope of work for developing the CIP, as well as the planning period for the program.
2. Various staff, including the Utilities Director, Public Works Director, City Engineer, and department supervisors provided input on potential capital improvement projects.
3. A survey was developed and made available on the City's website to evaluate the community's needs as they pertain to capital improvement projects.
4. A public meeting/open house was held on March 19, 2019, at the Sheridan Memorial Hospital Community Conference Room, to discuss the survey results and community needs.
5. During subsequent meetings, City staff and WWC discussed the merits of various projects and the methods of prioritizing the identified projects.

6. WWC prepared a list of proposed capital improvement projects from existing plans, and other data sources, including interviews with department supervisors and City officials.
7. WWC performed a detailed assessment of the City's infrastructure, reviewing items such as water line break history, age and material type of infrastructure, and condition assessment documents to identify additional projects.
8. WWC prioritized the initial master list of capital improvement projects using a decision matrix to rank the projects from highest to lowest priority.
9. Descriptions and cost estimates were developed for each project.
10. Potential funding sources were identified for the individual projects. Potential funding allocations were distributed for each project.
11. A second public meeting was held on April 25, 2019, at the Sheridan Memorial Hospital Community Conference Room, to allow further public discussion of potential capital improvement projects.
12. Information obtained through steps 1-11 was analyzed and reviewed through additional meetings with City staff in charge of project development, and the results were compiled into the CIP.

BACKGROUND RESEARCH

WWC reviewed existing reports and studies to analyze and identify community infrastructure and facility needs and identify projects for the CIP. Table 1 provides a list of the reports and studies that were reviewed during development of the CIP.

Additional resources included the City of Sheridan GIS database for streets, water distribution, sanitary sewer, and storm water as well as the City's WaterGEMS water distribution system model.

Table 1. Reports Used for Background Research

Report	Year Completed
City of Sheridan Water Master Plan (DOWL, 2019)	Ongoing 2019
Sheridan Parks and Recreation Master Plan Update (Peaks to Plains Design, 2019)	2019
Sheridan Pathways Master Plan (MC2 Engineering and Construction, 2019)	Ongoing 2019
Sheridan Land Use Plan (Orion Planning Group, 2017)	2017
Parks and Recreation Master Plan (MIG, Inc., 2015)	2015
City of Sheridan Capital Improvement Program (Entech,	2014
Sheridan Municipal Cemetery Committee Recommendation Report (MC2 Engineering and Construction, 2013)	2013
Downtown Sheridan Economic Development Strategy (WWC Engineering, 2010)	2010
Goose Creek TMDLs Final (SWCA Environmental Consultants, 2010)	2010
North Main Area Master Plan (Clarion, 2009)	2009
Technical Memorandum – Operations Assessment and CIP Program (HDR, 2009)	2009
Wastewater Treatment Plant Operations Assessment and Biosolids Evaluation (HDR, 2009)	2009
Sheridan Transportation Policy Plan (Fehr & Peers, 2009)	2009
Final Report for the City of Sheridan Wastewater Collection System Assessment (DOWL, 2008)	2008
Sheridan County Comprehensive Plan (Clarion, 2008)	2008
Vision 2020 – Sheridan County Growth Management Plan (JGA Architects-Engineers-Planners, 2001)	2001
Downtown Sheridan Streetscape Master Plan Update (WWC Engineering, 2001)	2001
Sheridan Stormwater Management Plan (HDR, 1987)	1987

Meetings with City Staff and Elected Officials

WWC also interviewed numerous City staff including directors, superintendents and senior managers from the Utilities, Public Works, Parks and Cemetery, and Streets departments to assist in determining the needs of the City. In addition to the meetings with the City staff, the CIP was discussed at two City Council meetings. On January 14, 2019, WWC introduced the City Council to the CIP project and processes. On April 1, 2019, WWC summarized the results of the community survey.

Public Meetings and Community Survey

Two public meetings were held to inform the community of the progress of the CIP and solicit public input. The first public meeting, held on March 19, 2019, presented the results of the community survey. The community survey was conducted online from February 21 through March 15, 2019 to obtain feedback from the community regarding sidewalks and trails, streets and intersections, sanitary sewer, water service, storm water collection, and satisfaction with recent City projects. The City received 318 survey responses. The survey and results are provided in Appendix A.

The second public meeting was held on April 25, 2019, to present the draft report to the public and gather further community input. Poster boards were displayed with a preliminary list of proposed capital improvement projects. Attendees were asked to place stickers on the three projects they felt were the most important; these results were used as part of the evaluation criteria to determine project prioritization. The public meetings and community survey were advertised through radio, local newspaper, and the City's Facebook page.

Capital Improvements Inventory

The terms "capital improvements" and "capital maintenance" (sometimes referred to as "deferred maintenance") are often interchanged. However, there is a clear distinction between a new capital improvement and the maintenance of an existing asset. Capital improvements are projects such as road construction, a new community center, or a new bridge project. These projects are typically too large or costly to finance solely through existing funds. Capital maintenance projects are typically funded through general or specific account funds. Maintenance projects are items such as street chip sealing, filling in a pothole, repairing water line breaks, building repairs, etc.

During the assessment of capital improvement projects, the streets, water distribution system, sanitary sewer system, and storm water system throughout the City were inventoried and evaluated based on age, materials, visual inspection, and other criteria as discussed below.

Streets

In 2017, the City contracted with an engineering firm to design and manage the rotomill and overlay process while making sure it was integrated with the City's street maintenance program. The engineering firm provided recommendations on maintenance to be performed on City streets on a yearly basis, which helps the City plan for future street maintenance and reconstruction. Also, through visual assessments, several streets warrant a full reconstruction in combination with utility replacements. The CIP provides these recommendations.

Water Distribution System

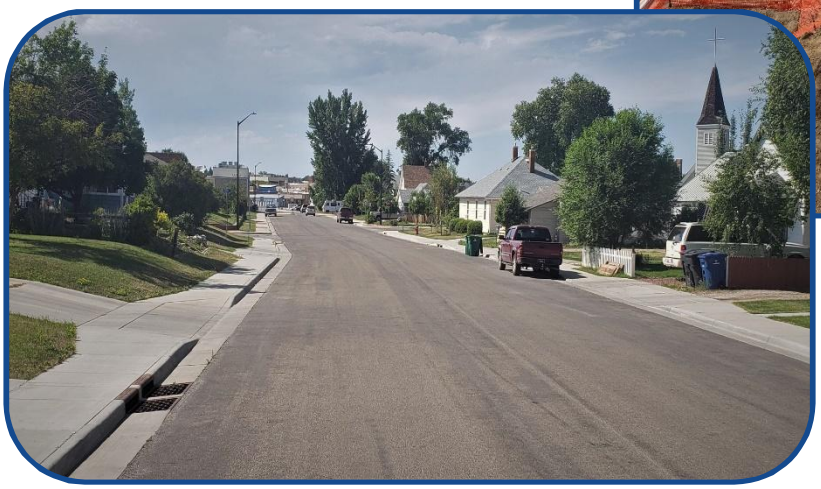
The water distribution system was inventoried using GIS data and the City's WaterGEMS model provided by the City. These data included the age and material of the water pipelines. A shapefile containing the history of water main breaks and repair dates was also provided by the City. The water main breaks are usually attributed to pipe age, material or poor construction techniques. Most of the breaks occur in cast iron pipe (CIP) or ductile iron pipe (DIP) materials due to corrosion.

The City is working toward replacing all CIP and DIP water mains with polyvinyl chloride (PVC), which has a longer service life and withstands soil and water corrosivity better than CIP or DIP. Several reconstruction projects have been identified in areas where the water mains are CIP or DIP.

Sanitary Sewer System

The sanitary sewer system was inventoried using GIS data provided by the City in conjunction with the Final Report for the City of Sheridan Wastewater Collection System Assessment (DOWL, 2008). The analysis included the age and material of the sanitary sewer pipelines and known bottlenecks in the system which limit flow capacity. Many of the sanitary sewer mains are vitrified clay (VC) pipe, which is known to have increased infiltration as it ages. Several projects have been identified to replace VC sanitary sewer mains with PVC.

Wyoming Avenue – During Construction



Wyoming Avenue – After Construction

Storm Water System

The storm water system was inventoried using the City's GIS data. Much of the City's storm water system database lacks positional accuracy and specific information such as pipe size, material, and connectivity; details of storm water inlets and manholes; and details of existing storm water treatment systems and outfalls. The City has recognized the need for this information to be updated and has included a project to update the entire storm water system in this CIP. Projects that include complete reconstruction of the water distribution system, sanitary sewer system, and street surfacing also have allocations for replacing the storm water system.

ADDITIONAL PROJECTS

WWC identified several projects in addition to those obtained from existing plans, resource assessments, and other data sources, including interviews with City staff. These projects were identified based on the inventory of existing systems, knowledge of the City's facilities and infrastructure, limited reconnaissance investigations, and experience in municipal engineering. These projects include the following:

- Terra Avenue Storm Drainage
- Emerson Street Reconstruction

- 5th Street to Lewis Street Reconstruction (includes Adair Avenue, Bellevue Avenue, Clarendon Avenue, Delphi Avenue, Exeter Avenue, Florence Avenue, and Greystone Avenue between 5th Street and Lewis Street)
- Sheridan Avenue Reconstruction
- Lewis Street Reconstruction
- South Thurmond Reconstruction
- Oatts Fields Complex (6th Street)
- Storm Water Conveyance System Improvements

5.0 FUNDING SOURCES

Funding for the City's capital improvement projects is provided through a variety of sources and is managed within several, specific fund accounts within the City's accounting system.

The City's accounting system has three fund categories: General Fund, Special Revenue Funds and Enterprise Funds. The majority of the City's capital projects are funded through Special Revenue Funds and/or the Enterprise Funds. These Funds have limitations on their use and are not universally available for every type of project. This distinction is important to consider as projects are prioritized with funding availability in mind.

Table 2 identifies the funding sources the City currently uses for its various capital project types. The City's fund categories, their associated sub-funds and sources of funds contributing to them are further described in the following sections. This report will evaluate available funding sources (both currently and not currently utilized), the City's current level of utilization of those funding sources and recommend the best strategies to be utilized in order to maximize their ability to fund future projects.

GENERAL FUND

General Fund revenues are a result of state and local taxes, licenses, and permits, intergovernmental contributions, fines, and other contributions, with only 5% from property taxes. According to the Wyoming Association of Municipalities (WAM) October 2016 Municipal Finance Report (WAM 2016), the average property tax contribution to municipal general revenue is 20% for "border and energy" states, which includes Wyoming. The General Fund typically is used for the operation of cemeteries, parks, streets, and utilities and provides capital outlay for these projects in modest amounts.

SPECIAL REVENUE

The Capital Facilities Tax (Cap Tax) is an optional one-cent sales tax approved by Sheridan County voters. The Cap Tax is approved for a designated amount for specific capital improvements to community infrastructure. Once the approved amount is raised, the tax automatically expires unless voters choose to renew the tax for another round of projects. In 2013, Sheridan County voted for the Cap Tax renewal in the amount of $40 million. It is assumed that this will be reached after 8 years (2021), at which time Sheridan County voters may renew the Cap Tax. The Cap Tax is used to fund infrastructure projects in the City of Sheridan, Sheridan County, and the towns of Clearmont, Dayton, and Ranchester. Within the City, these monies are used mostly for streets, water distribution, sanitary sewer system, and storm water system, with about 5% used for parks. The Cap Tax funds should be expended in the year received.

The Optional One-Cent sales tax is an optional sales tax approved by Sheridan County voters. It was last approved in November 2018 for 4 years. The Optional One-Cent sales tax funds public projects and services across Sheridan County, including roads, infrastructure, public safety, parks and pathways, economic development, and others. The Optional One-Cent sales tax revenues are also used as matching funds to obtain grants

The Public Benefit Fund accounts for monies collected through the franchise tax. Annual revenues have been $1.0 million over the past 2 years, with half of the funding used for streets and the balance for parks. In previous years, the Public Benefits Fund has also been allocated to Police and the Recreation District.

The Countywide Consensus (CWC) program awards grants to incorporated cities and towns, counties, special districts, and joint powers boards to construct, replace, or improve a major fixed asset or public service facility. Applications must be submitted at least 35 calendar days prior to any regular or special SLIB meeting, with all deficiencies addressed no later than 21 calendar days prior to any regularly scheduled SLIB meeting.

Funding for Mineral Royalty Grant (MRG) comes from federal mineral royalties, which are taxes collected on minerals produced on federal lands, a portion of which is returned to the state. Since most successful applications are under $500,000, it is reasonable to assume that the City could obtain a grant for this amount annually. Applications are due the third Thursday of February or third Thursday of September. Emergency MRG applications must be received 10 working days prior to any regular SLIB meeting.

The Clean Water State Revolving Fund (CWSRF) is a state program that provides loans for sanitary sewer treatment and collection, storm water control, landfill water pollution control, and other water pollution control projects. These loans are usually up to 20 years with interest rates of 2.5% and an origination fee of 0.5%. They may include forgiveness

of a portion of the principal. Applicants must demonstrate that they can pay back the loan and adhere to federal environmental, social, and economic cross-cutting requirements. Projects must be listed on the current year's CWSRF Intended Use Plan. The CWSRF accepts applications 80 days prior to any scheduled SLIB meeting. Applicants must cure any defects in their applications no later than 45 calendar days before any scheduled SLIB meeting.

The Drinking Water State Revolving Fund (DWSRF) is a state program that provides loans for drinking water systems including source, treatment plant, storage tank, and transmission and distribution line projects. These loans are usually up to 20 years with interest rates of 2.5% and an origination fee of 0.5%. They may include forgiveness of a portion of the principal. Applicants must demonstrate that they can pay back the loan and adhere to federal environmental, social, and economic cross-cutting requirements. Projects must be listed on the current year's DWSRF Intended Use Plan. This program accepts applications 80 days prior to any scheduled SLIB meeting. Applicants must cure any defects in their applications no later than 45 calendar days before any scheduled SLIB meeting.

The Joint Powers Act (JPA) loan program funds capital construction projects for local government entities. The current interest rate is 5.37%, with an application fee of 1% and a term not to exceed 30 years. The loans are repaid in annual installments. Applications are due 60 calendar days prior to any scheduled SLIB meeting. Applicants must cure any defects in their applications no later than 20 calendar days before any scheduled SLIB meeting.

Wyoming Water Development Commission (WWDC) provides funding for water supply systems in the form of Level I reconnaissance studies and comparison of development alternatives, Level II project feasibility studies, and Level III construction projects. The due date for Level I and II applications and application fees is March 1 of each year. The application must include a detailed description of the project, the sponsor's perceived need for the project, a listing of available information pertinent to the project, and the financial capabilities of the sponsor. The application requires a $1,000 filing fee, of which 75% will be refunded if the application is denied, a certified original of a resolution passed by the council or governing body of the sponsoring entity, financial information, a map of the area proposed to be included in the study, and a description of whether completion of a regional study has been considered by the sponsor. Level III work activities include project design, permitting, land acquisition, construction, and construction engineering. The due date for Level III applications and application fees is September 1 of each year. Other application requirements are similar to Level I or II studies. For Level I or Level II studies, WWDC will determine if the sponsor should be required to pay a portion of the costs incurred to develop the recommended alternative needed to secure funding for Level III construction. Typically, WWDC is the lead agency in developing Level I and

Level II reports and solely funds the studies to ensure the reports are unbiased and performed in such a manner as to determine whether the state should invest in the project. Level III projects are typically 67% grant funded when the sponsor demonstrates to WWDC that they have taken steps or are willing to take steps to make their water supply systems financially self-supporting.

ENTERPRISE

The Enterprise funds are those for which the city charges a fee and provides a service that is considered a business-type activity. These funds should be self-sustaining and require regular evaluation of revenues, expenses, and long-term capital needs, which will result in fee adjustments. These include services for water, sanitary sewer, and solid waste. These funds are also used to make principal and interest payments on loans or equipment leases obtained by the enterprise. When enterprise funds are not the sole source of funds for a specific project, transfers are made to a Special Revenue Fund account to be combined with other funding contributing to that project. The enterprise funds also make annual transfers to the General Fund for administrative/operational expenses provided to them based on a cost allocation formula.

Table 2. Available Funding Programs by Project Type

Funding Program	Water Distribution	Sanitary Sewer	Storm Water	Streets	Parks	Pathways	Cemetery	Water Treatment Plant	Wastewater Treatment Plant	Solid Waste	Other Capital Expenditures
General Fund	●	●	●	●	●	●	●	●	●	●	●
Special Revenue											
Cap Tax	●	●	●	●	●	●	●	●	●		●
Optional One Cent	●	●	●	●	●	●	●	●	●		●
Public Benefit				●	●	●	●				
SLIB[1] – CWC[2]	●	●	●	●				●	●	●	●
SLIB – MRG[3]	●	●	●	●				●	●	●	●
SLIB – CWSRF[4]		●	●						●	●	
SLIB – DWSRF[5]	●							●			
SLIB – JPA[6]	●	●		●				●	●	●	
WWDC[6]	●							●			
Enterprise Funds											
Water Fund	●							●			
Sewer Fund		●							●		
Solid Waste Fund										●	

1 Office of State Lands and Investments – State Loan and Investment Board
2 Countywide Census
3 Mineral Royalty Grant
4 Clean Water State Revolving Fund
5 Drinking Water State Revolving Fund
6 Joint Powers Act
7 Wyoming Water Development Commission

6.0 PROJECT PRIORITIZATION AND SCHEDULING

The projects identified in this CIP were developed through discussions with key City staff and reviews of the City's FY2020 budget, current planning and project budgets, all City

planning documents, and select infrastructure inspections. The projects encompass a 10-year planning period, however due to the changing priorities and needs of the City, detailed project information is only provided for those determined to be implemented within the first 5 years. Projects identified through the process above were then vetted through a decision matrix that prioritized projects based on an ascending numeric scoring system, with the highest number, or score, receiving the highest priority. Once the prioritization was complete, project scheduling was determined considering existing partnerships with other entities, funding availability, and priorities identified by City staff or within other City planning documents.

In June 2019, the City approved capital improvements projects for the fiscal year 2020 budget. There are also projects to be completed in conjunction with WYDOT with defined schedules and projects with defined grant payments or expirations. All of these projects and budgets are included in this CIP; however, since they are approved and scheduled for specific years, these projects were not included in the decision matrix. A list of these projects can be found in Appendix B.

The following procedure was used to prioritize the remaining projects. The first step in this process was to score every project based on a decision matrix consisting of five scoring categories. These categories and the scoring criteria assigned to each category are described below. The five categories and scoring criteria that comprise the decision matrix are as follows:

1. Health & Safety/Regulatory Compliance

    - Does the project pose a public health or safety concern?

        - If the project does not impact the health or safety of the public and will not prevent future events that pose a health or safety risk, it was assigned a score of 0.

        - If the project satisfies one of the statements below, it was assigned a score of 2; two statements a score of 4; three statements a score of 6; or four statements a score of 8.

            1. The project improves pedestrian and vehicular safety.

            2. The project reduces water main breaks, sanitary sewer issues, cross contamination, or insurance claims.

            3. The project provides opportunities for water quality improvements (drinking, storm, sanitary).

4. The project provides sanitary facilities.

- If the project affects the health or safety of a community of more than 200 people, it was assigned an additional 2 points.
- If the project addresses a regulatory compliance need, it was assigned an additional 3 points.

2. Funding Availability

- Funding availability will be based on the type of funding sources available for the project. The score for each project will be chosen by the highest-ranking available funding source. For example, if a project can be funded by City Revenue, Enterprise Funds, and a loan with principal forgiveness, it would be assigned a score of 4.
  - If there is no funding available, the project was assigned a score of 0.
  - If the project can be funded by City Revenues, it was assigned a score of 1.
  - If the project can be funded by Enterprise Funds, it was assigned a score of 2.
  - If the project can be funded by loans without principal forgiveness, it was assigned a score of 3.
  - If the project can be funded by loans with principal forgiveness, it was assigned a score of 4.
  - If the project can be funded by grants or through partnerships with other funding entities, it was assigned a score of 5.

3. Public Ranking

Section 4 describes the public input process implemented for this CIP, which consisted of public meetings and a community survey to characterize the public opinion on the City's facilities and infrastructure. During development of this CIP, the City also worked on an update to the Sheridan Parks and Recreation Master Plan Update (Peaks to Plains Design, 2019). Part of this update involved a similar public outreach effort, but focused entirely on parks, pathways, and other recreation facilities. The results of this public outreach were presented during a community meeting held on April 11, 2019. A summary of those survey results is provided in Appendix A. This CIP incorporates the survey results from both community outreach efforts to prioritize the Public Ranking component.

- The CIP and Parks and Recreation Master Plan surveys used the same overall satisfaction scoring system of 1 through 5, with 5 being the most satisfied and 1 being the least. The projects were scored based on survey applicability (i.e., parks, pathways, and other recreation projects were scored based on the Parks and Recreation Master Plan survey, while remaining projects were scored from the CIP survey).
    - If the current public satisfaction rating for the type of project was 5, the project was assigned a score of 1.
    - If the satisfaction rating for the type of project was 4, it was assigned a score of 2.
    - If the satisfaction rating for the type of project was 3, it was assigned a score of 3.
    - If the satisfaction rating for the type of project was 2, it was assigned a score of 4.
    - If the satisfaction rating for the type of project was 1, it was assigned a score of 5.
- Public ranking scores associated with the community outreach for this CIP were assigned additional points based on the following:
    - If a project was mentioned 1-4 times with dissatisfaction in public comments, it was assigned an additional 1 point.
    - If a project was mentioned 5-8 times with dissatisfaction in public comments, it was assigned an additional 2 points.
    - If a project was mentioned 9-12 times with dissatisfaction in public comments, it was assigned an additional 3 points.
    - If a project was mentioned 13-16 times with dissatisfaction in public comments, it was assigned an additional 4 points.
    - If a project was mentioned 17-20 times with dissatisfaction in public comments, it was assigned an additional 5 points.
- Public ranking scores associated with the community outreach for the Parks and Recreation Master Plan were assigned additional points based on the categories of Identified Needs, Most Important Facilities, Most Important Improvements Overall, Overall Condition, and Specific Park Improvements.

        - If the project was mentioned in one of these categories, it was assigned an additional 1 point.
        - If the project was mentioned in two of these categories, it was assigned an additional 2 points.
        - If the project was mentioned in three of these categories, it was assigned an additional 3 points.
        - If the project was mentioned in four of these categories, it was assigned an additional 4 points.
        - If the project was mentioned in all five of these categories, it was assigned an additional 5 points.
    - Scores from all the criteria above from both community outreach efforts were summed to determine the total Public Ranking score.

4. Consolidation of Projects
    - This category is based on whether a project is performed or can be performed in conjunction with another project.
        - If a project cannot be performed with another project, it was assigned a score of 1.
        - If a project can be performed in conjunction with one other project, it was assigned a score of 2.
        - If a project can be performed in conjunction with two other projects, it was assigned a score of 3.
        - If a project can be performed in conjunction with three or more other projects, it was assigned a score of 4.

5. Strategic Alignment
    - Strategic Alignment was scored based on how a project aligns with the City's strategic goals as set out in a master plan, strategic plan, previous CIP, or other planning document.
        - If the project is not aligned with any City planning document, it was assigned a score of 0.
        - If the project is indirectly aligned with a City planning document, it was assigned a score of 2.
        - If the project is directly aligned with a City planning document, it was assigned a score of 5.

The categories within the decision matrix were assigned weighted values based on relevant importance to the City. The category weighting factors were 3.0 for Health & Safety, 1.5 for Funding Availability, 1.5 for Public Ranking, 1.0 for Consolidation of Projects, and 1.0 for Strategic Alignment. The project scores within each category were multiplied by the weighting factor to come up with a weighted score for each category. The weighted scores were added together to obtain the total score. The decision matrix is located in Appendix C which also includes explanations on the scoring for each project. The projects were then sorted from highest to lowest score with the highest score receiving the highest prioritization. The results of the project prioritization based on the decision matrix scoring, sorted from highest to lowest, are provided in Appendix D.

Funding allocations for projects identified in the decision matrix were analyzed based on project scoring, projects with existing partnerships, funding availability, and priorities identified by City staff. These projects were also evaluated based on available funding sources applicable to each project and the total available funding, by year, from each funding source described in Section 5.

The procedures described in this section resulted in the final project schedule provided in Appendix E. The schedule also includes capital expenditures for police and fire department equipment that has been allocated for purchase.

In addition to the capital improvement projects, an evaluation of all proposed fleet purchases along with the suggested prioritization schedule is provided in Appendix F.

7.0 PROJECT DESCRIPTIONS AND IMPLEMENTATION

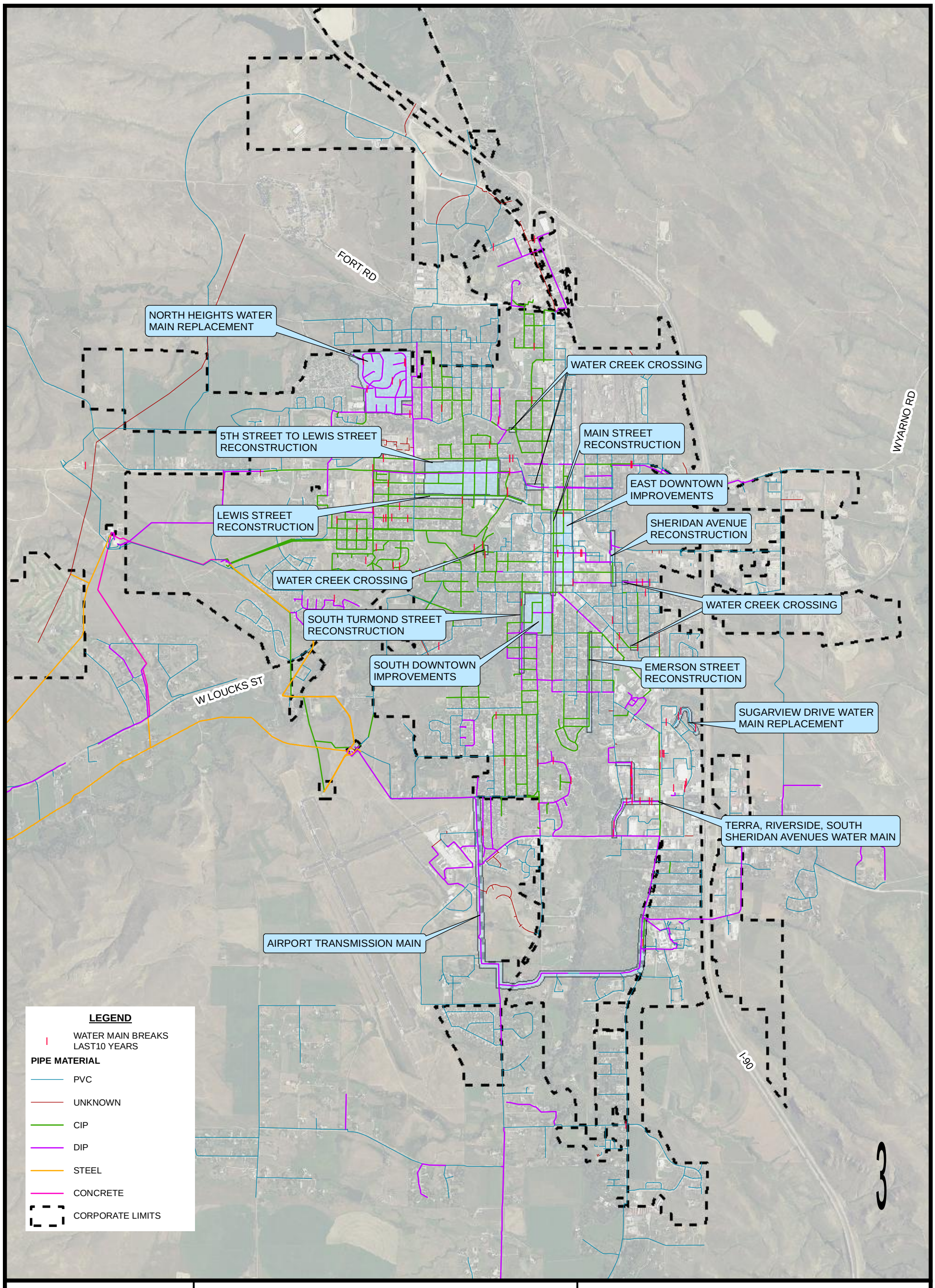
All facility and infrastructure related projects are identified in the following figures:

- Figure 2 identifies all water distribution system projects, including pipe material and locations of water main breaks within the past 10 years.
- Figure 3 shows the water treatment plant, transmission main to the City and associated tank improvement projects.
- Figure 4 identifies all sanitary sewer system projects.
- Figure 5 provides locations for all streets and solid waste projects.
- Figure 6 identifies the parks, pathways and cemetery projects.

In addition to the figures, project summary sheets that provide detailed information for all projects scheduled for the first 5-years (fiscal years 2020-2024) is provided in Appendix G. A list of the remaining projects for fiscal years 2025-2029 is provided in Appendix H.

It is important to note that although a detailed and systematic approach was used to identify the final project rankings, they may not always be implemented in the ranked order based on changing funding opportunities, implementation of similar or related projects, infrastructure failure, or other urgent needs.

Members of City staff and the City Administrator were provided with a draft copy of the CIP. Following review and approval of the draft by City staff and the City Administrator, the CIP was provided to City Council for comments. City Council approved the CIP on September 3, 2019. Along with this CIP, the City was provided a digital model of the decision matrix to assist with planning efforts as priorities change.



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DRAWN BY: CIG

CHECKED BY: JMD

DATE: 7/31/2019

PREPARED FOR:

CITY OF SHERIDAN

55 Grinnell Plaza
Sheridan, WY 82801

PREPARED BY:

WWC ENGINEERING

1849 Terra Avenue, Sheridan WY 307-672-0761

CITY OF SHERIDAN
CAPITAL IMPROVEMENTS PROGRAM - 2019

WATER DISTRIBUTION SYSTEM PROJECTS

FIGURE 2

K:\Sheridan\City_Sheridan\18284\GIS\COS_Water_Figure.mxd 7/31/2019 8:07:25 AM jmwag

SWTP PROJECTS
4MG TANK METERING UPGRADES
REPLACE FLOCCULATORS
BAFFLE IMPROVEMENTS

W LOUCKS ST

RESERVOIR UPGRADES AT NORTH
LOW AND SOUTH LOW TANKS

20IN RAW WATER TRANSMISSION
MAIN REHABILITATION

20IN RAW WATER TRANSMISSION
MAIN REHABILITATION

BIG GOOSE RD

INTAKE - PRE-SEDIMENTATION
REHABILITATION

BGWTP PROJECTS
UTILIDOR
HYPOCHLORITE CONVERSION
CLEARWELL OVERFLOW PIPE
SLUDGE DRYING BEDS
REPLACE FLOCCULATORS
BAFFLE IMPROVEMENTS

LEGEND

CORPORATE LIMITS

3

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CHECKED BY: JMD
DATE: 7/31/2019

CITY OF Sheridan WYOMING

PREPARED FOR:

CITY OF SHERIDAN
55 Grinnell Plaza
Sheridan, WY 82801

PREPARED BY:

WWC ENGINEERING
1849 Terra Avenue, Sheridan WY 307-672-0761

CITY OF SHERIDAN
CAPITAL IMPROVEMENTS PROGRAM - 2019

WATER TREATMENT PLANTS, RAW WATER
TRANSMISSION MAIN, AND WATER RESERVOIR PROJECTS

FIGURE 3

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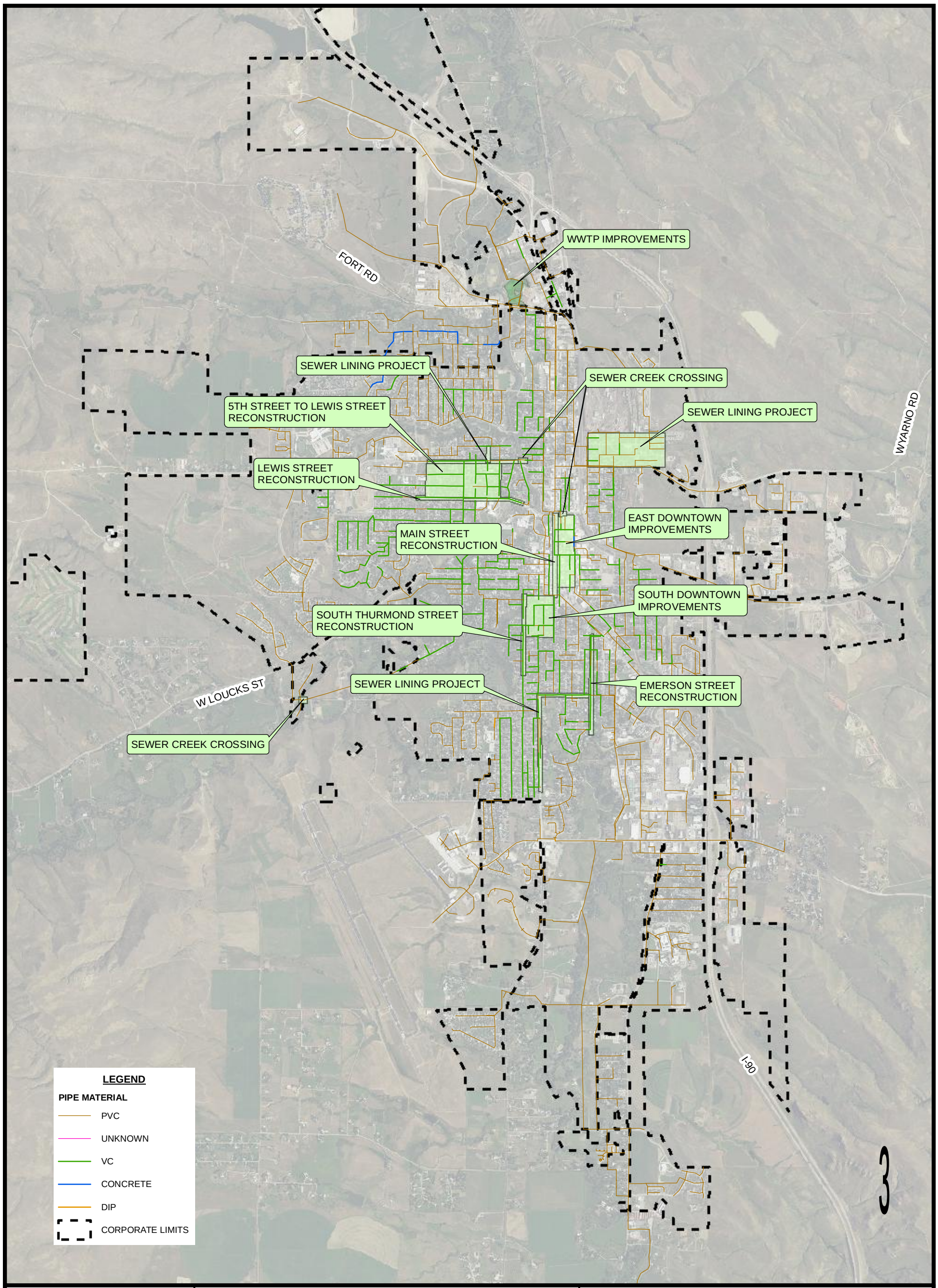

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GRAPHIC SCALE: FEET

DRAWN BY: CIG

CHECKED BY: JMD

DATE: 7/31/2019

PREPARED FOR:

CITY OF SHERIDAN

55 Grinnell Plaza
Sheridan, WY 82801

PREPARED BY:

WWC ENGINEERING

1849 Terra Avenue, Sheridan WY 307-672-0761

CITY OF SHERIDAN
CAPITAL IMPROVEMENTS PROGRAM - 2019

SANITARY SEWER SYSTEM UPGRADES

FIGURE 4

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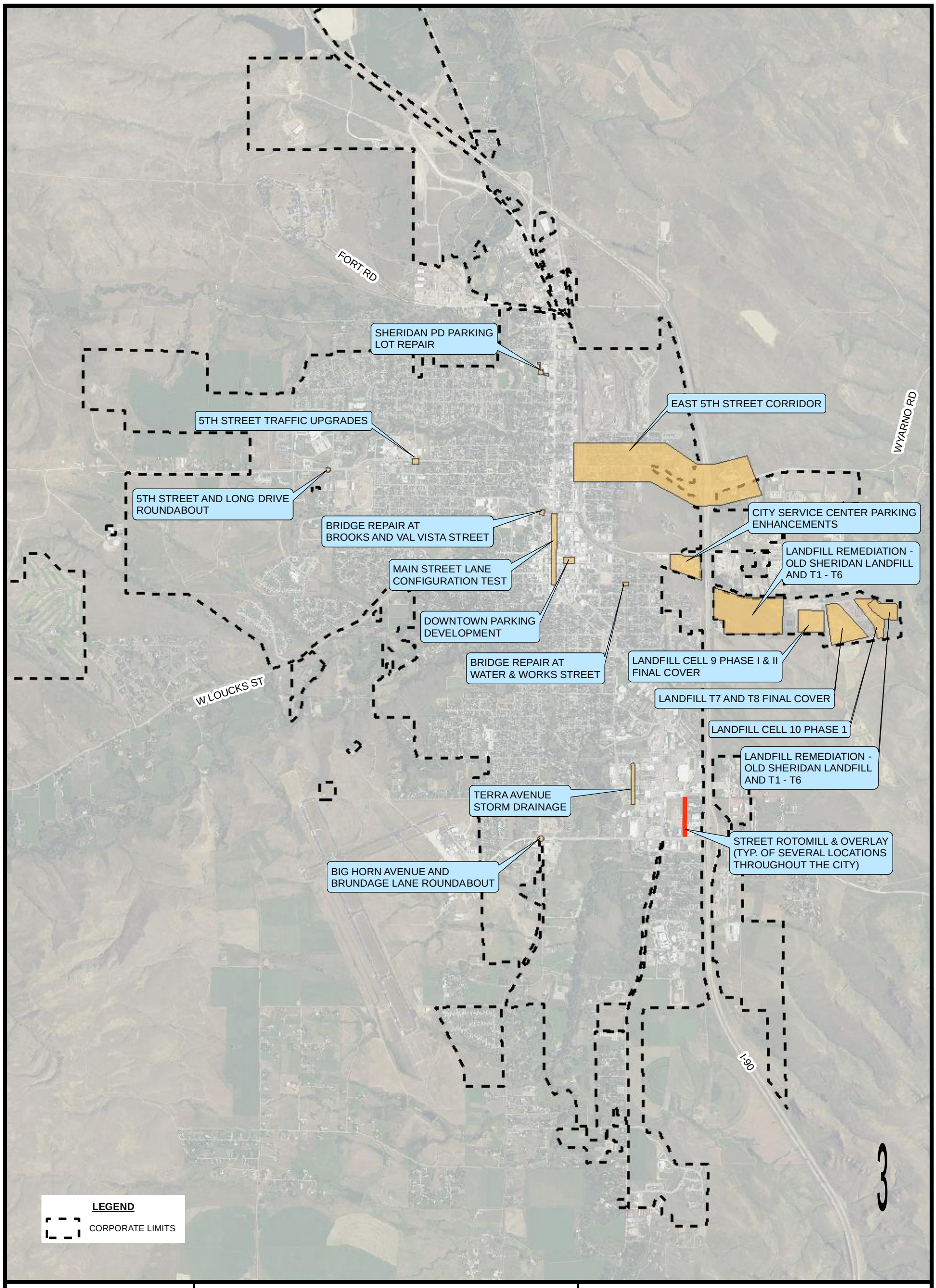

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DATE: 7/31/2019

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CITY OF SHERIDAN

55 Grinnell Plaza
Sheridan, WY 82801

PREPARED BY:

WWC ENGINEERING

1849 Terra Avenue, Sheridan WY 307-672-0761

CITY OF SHERIDAN
CAPITAL IMPROVEMENTS PROGRAM - 2019
STREETS, STORM WATER, AND
SOLID WASTE PROJECTS

FIGURE 5

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NORTH PARK HABITAT ENHANCEMENTS

GATEWAY PARK PHASE II

FORT RD

WWTP TO MAIN STREET VIA OLD RR PATHWAY

ARMY CORPS 1135 STUDY (ONLY DEPICTS A PORTION OF THE PROJECT)

THORNE-RIDER PARK PICKLEBALL COURTS

OATTS FIELDS COMPLEX (6TH STREET)

WYARNO RD

BLACK TOOTH PARK PHASE II

ELK PASTURE BARN/HISTORICAL MUSEUM REHABILITATION

EMERGENCY HILLSLIDE STABILIZATION

KENDRICK PARK IMPROVEMENTS

KENDRICK PARK POOL

PARK'S NEW OFFICE/SHOP

KENDRICK PARK TO CEMETERY PATHWAY

SHERIDAN/COFFEEN/WYOMING AVENUES - GREEN SPACE

W LOUCKS ST

CEMETERY UPGRADES

ADAMS RANCH TO COFFEEN AVENUE WIDENING PATHWAY

I-90

3

LEGEND

CORPORATE LIMITS

0 750 1,500 3,000

GRAPHIC SCALE: FEET

DRAWN BY: CIG

CHECKED BY: JMD

DATE: 7/31/2019

CITY OF Sheridan WYOMING

PREPARED FOR:

CITY OF SHERIDAN

55 Grinnell Plaza
Sheridan, WY 82801

PREPARED BY:

WWC ENGINEERING

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CITY OF SHERIDAN
CAPITAL IMPROVEMENTS PROGRAM - 2019

PARKS, PATHWAYS, AND CEMETERY PROJECTS

FIGURE 6

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Appendix A – Community Survey Results

CITY OF Sheridan WYOMING

WELCOME!

Thank you for taking the time to participate in planning the future of our community infrastructure!

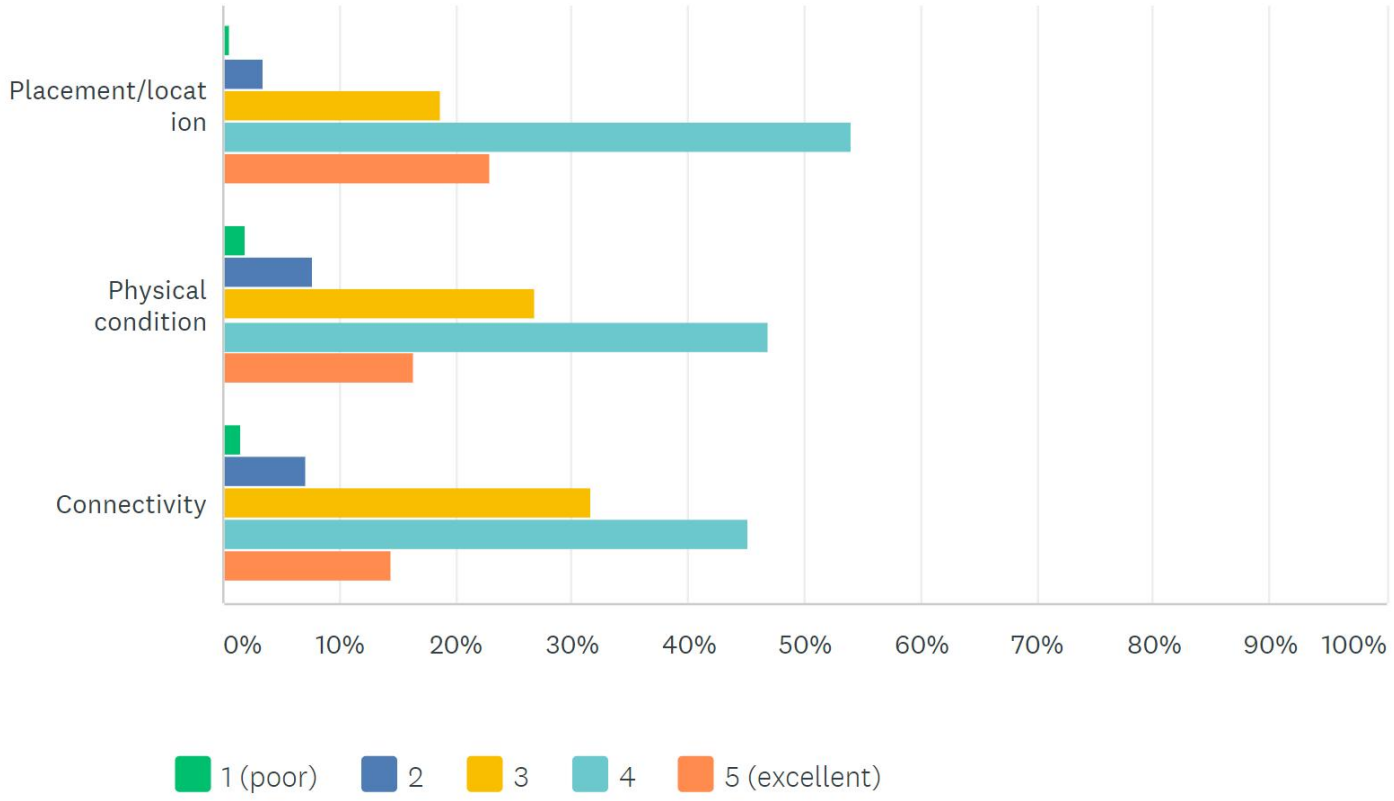
CITY OF Sheridan
WYOMING

SURVEY RESULTS

Total respondents: 318

Please rate the following aspects of City SIDEWALKS and TRAILS:

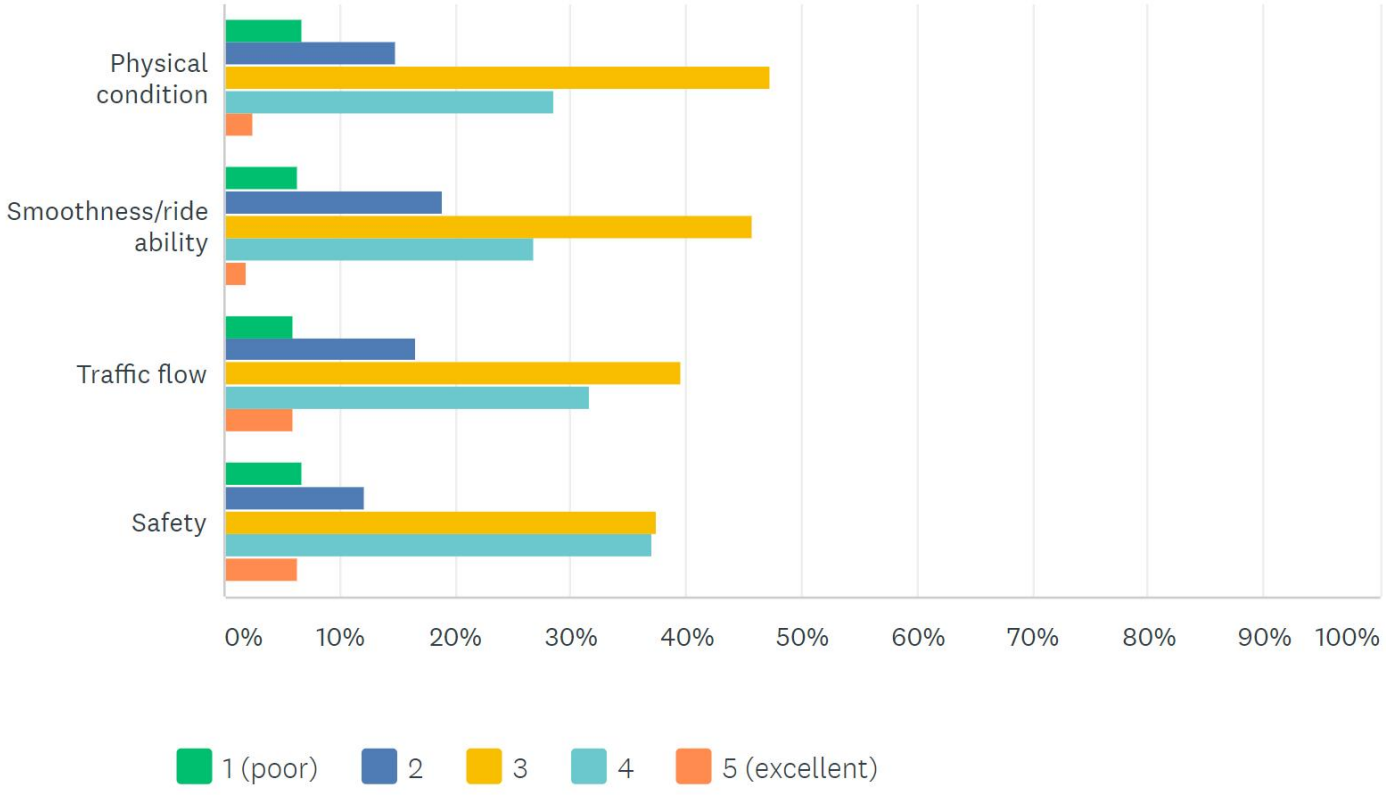
Answered: 315 Skipped: 3



	1 (POOR)	2	3	4	5 (EXCELLENT)	TOTAL
Placement/location	0.64% 2	3.50% 11	18.79% 59	54.14% 170	22.93% 72	314
Physical condition	1.94% 6	7.77% 24	26.86% 83	46.93% 145	16.50% 51	309
Connectivity	1.61% 5	7.10% 22	31.61% 98	45.16% 140	14.52% 45	310

Please rate the following aspects of City STREETS:

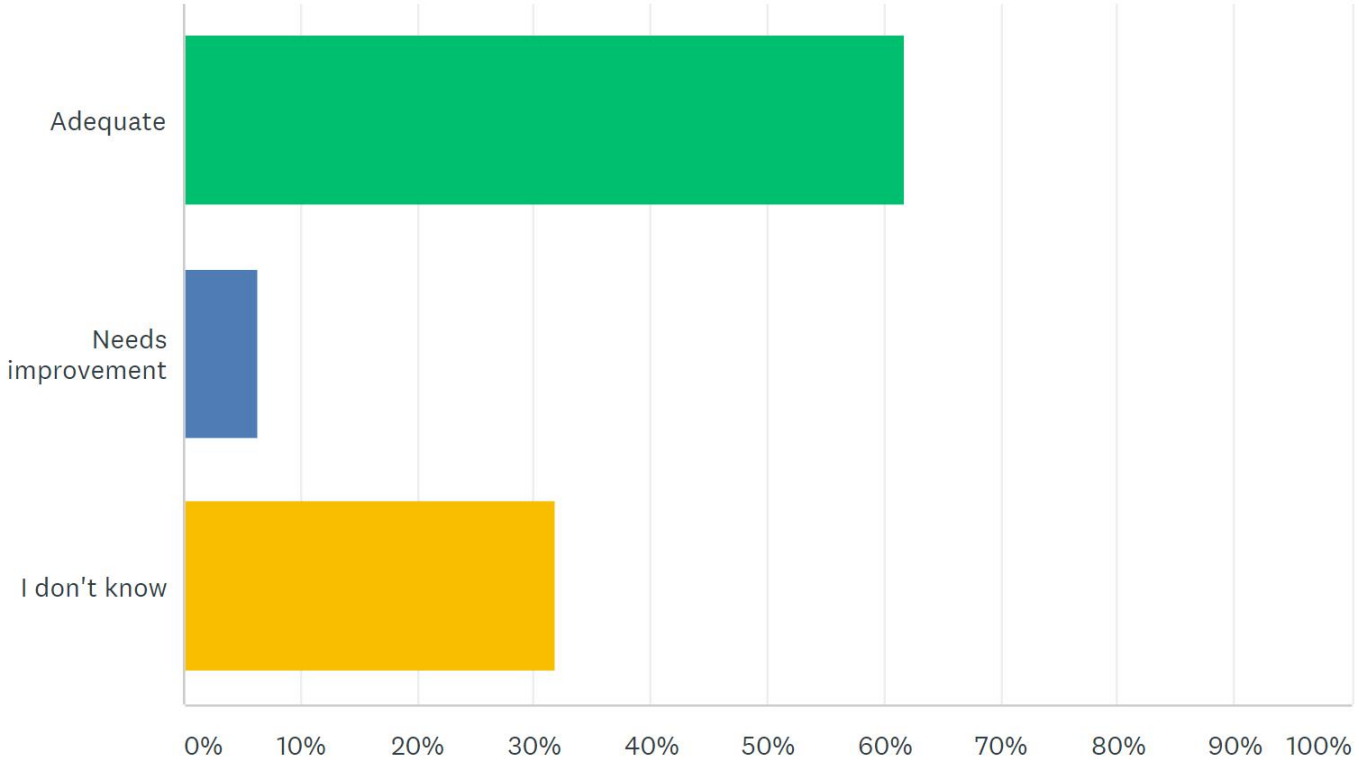
Answered: 316 Skipped: 2



	1 (POOR)	2	3	4	5 (EXCELLENT)	TOTAL
Physical condition	6.67% 21	14.92% 47	47.30% 149	28.57% 90	2.54% 8	315
Smoothness/rideability	6.41% 20	18.91% 59	45.83% 143	26.92% 84	1.92% 6	312
Traffic flow	6.07% 19	16.61% 52	39.62% 124	31.63% 99	6.07% 19	313
Safety	6.77% 21	12.26% 38	37.42% 116	37.10% 115	6.45% 20	310

Please rate the City SANITARY SEWER COLLECTION SYSTEM:

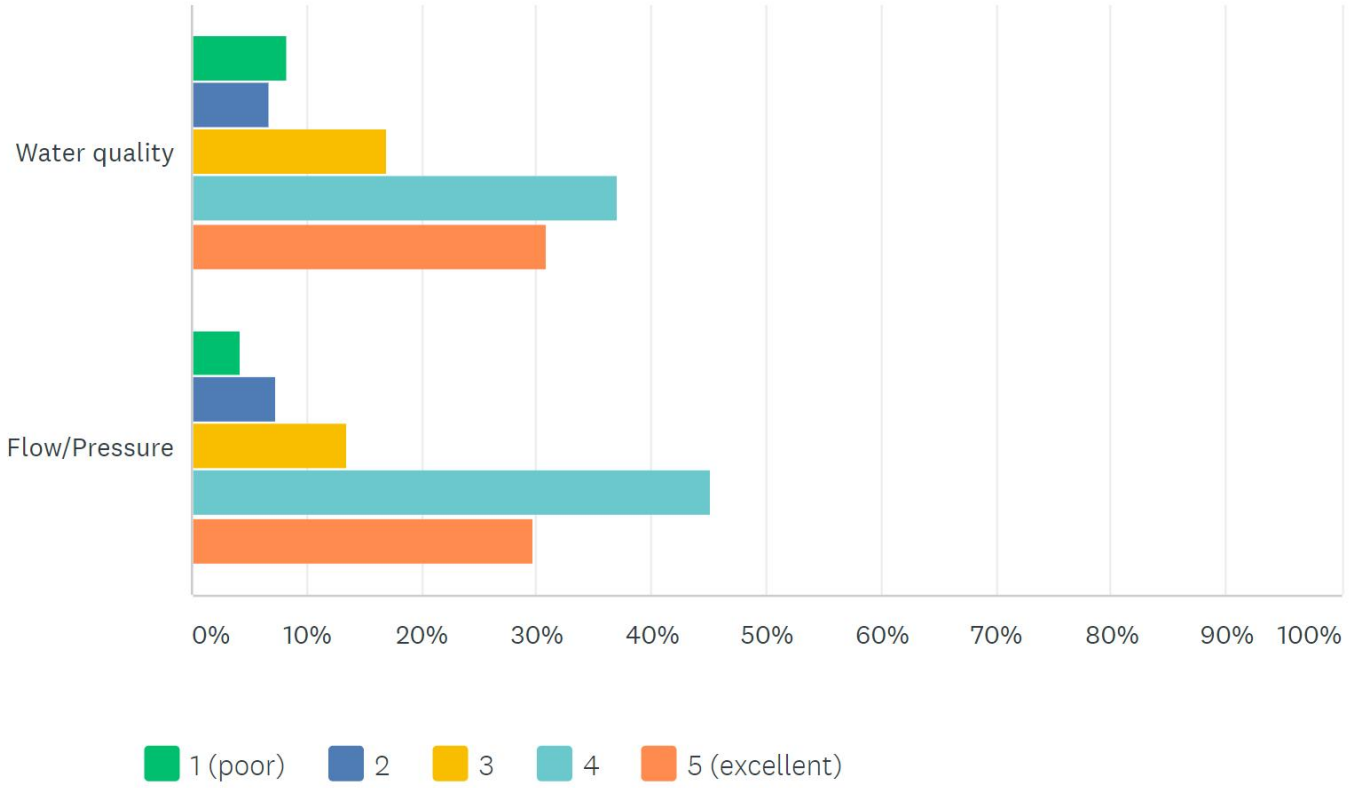
Answered: 317 Skipped: 1



ANSWER CHOICES	RESPONSES	
Adequate	61.83%	196
Needs improvement	6.31%	20
I don't know	31.86%	101
TOTAL		317

Please rate the following aspects of City WATER SERVICE:

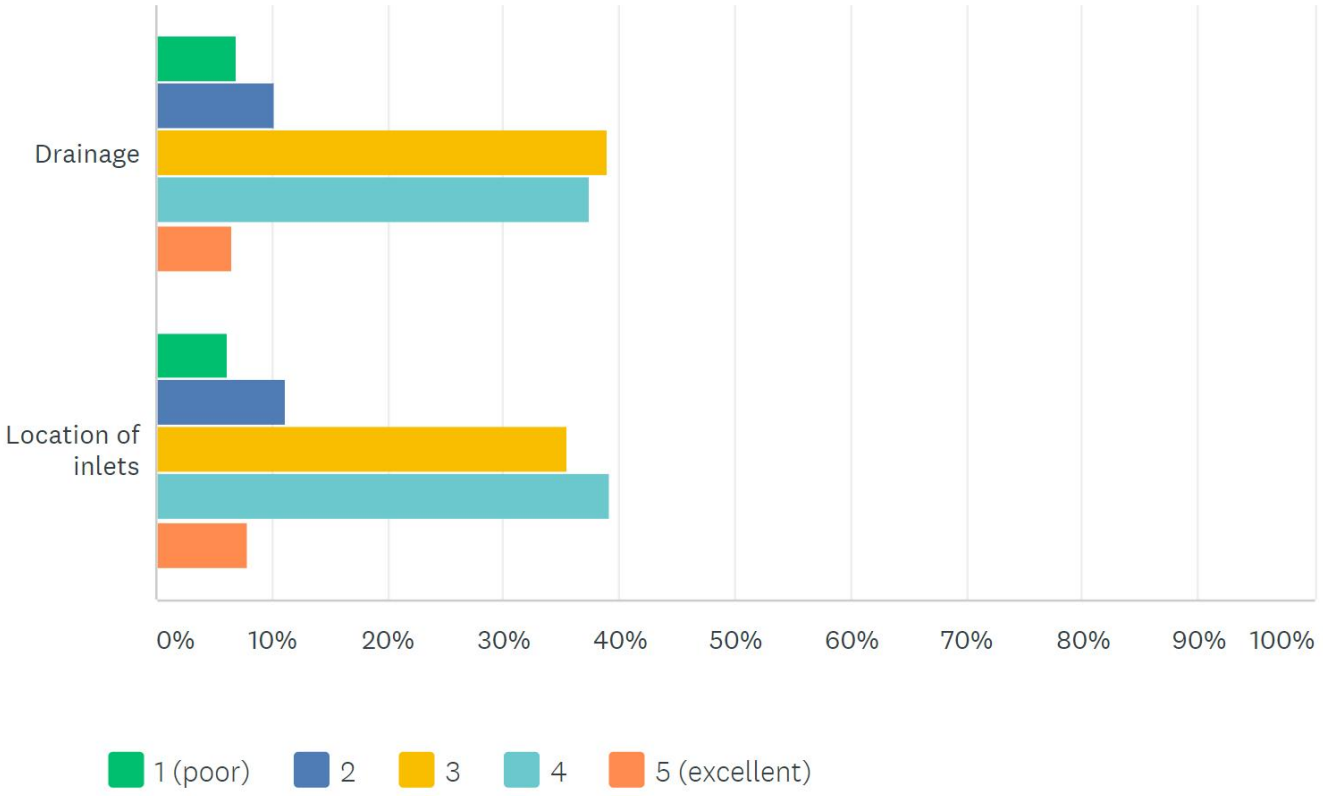
Answered: 317 Skipped: 1



	1 (POOR)	2	3	4	5 (EXCELLENT)	TOTAL
Water quality	8.36% 26	6.75% 21	17.04% 53	36.98% 115	30.87% 96	311
Flow/Pressure	4.19% 13	7.42% 23	13.55% 42	45.16% 140	29.68% 92	310

Please rate the following aspects of City STORM WATER COLLECTION:

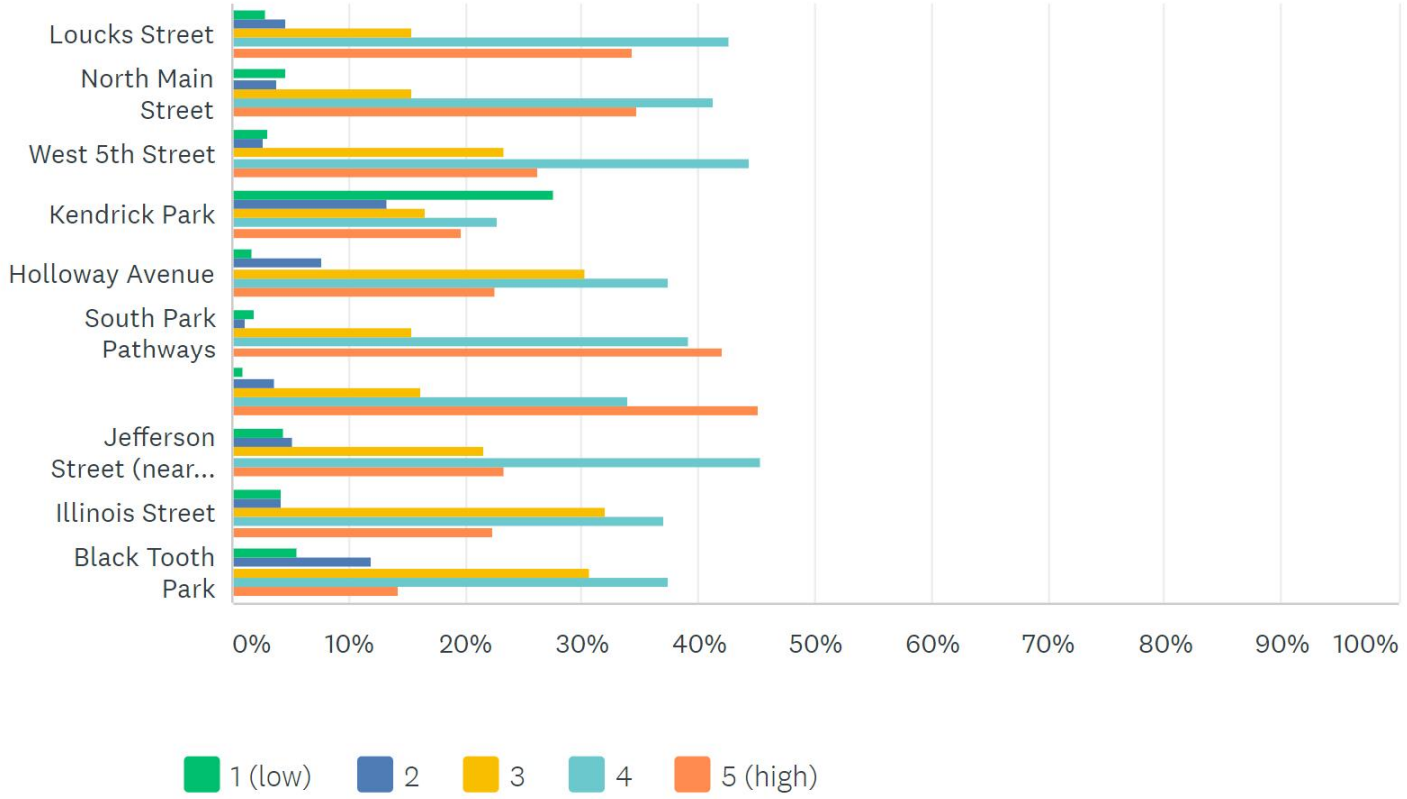
Answered: 311 Skipped: 7



	1 (POOR)	2	3	4	5 (EXCELLENT)	TOTAL
Drainage	6.89% 21	10.16% 31	39.02% 119	37.38% 114	6.56% 20	305
Location of inlets	6.14% 18	11.26% 33	35.49% 104	39.25% 115	7.85% 23	293

Please rate your satisfaction with the following recently completed City infrastructure projects on a scale of 1 to 5, 5 being highest:

Answered: 314 Skipped: 4



	1 (LOW)	2	3	4	5 (HIGH)	TOTAL
Loucks Street	2.97% 9	4.62% 14	15.51% 47	42.57% 129	34.32% 104	303
North Main Street	4.59% 14	3.93% 12	15.41% 47	41.31% 126	34.75% 106	305
West 5th Street	3.17% 8	2.78% 7	23.41% 59	44.44% 112	26.19% 66	252
Kendrick Park	27.55% 81	13.27% 39	16.67% 49	22.79% 67	19.73% 58	294
Holloway Avenue	1.79% 3	7.74% 13	30.36% 51	37.50% 63	22.62% 38	168
South Park Pathways	2.02% 5	1.21% 3	15.38% 38	39.27% 97	42.11% 104	247
South Park Restrooms	0.90% 2	3.62% 8	16.29% 36	33.94% 75	45.25% 100	221
Jefferson Street (near YMCA)	4.49% 11	5.31% 13	21.63% 53	45.31% 111	23.27% 57	245
Illinois Street	4.24% 7	4.24% 7	32.12% 53	36.97% 61	22.42% 37	165
Black Tooth Park	5.68% 10	11.93% 21	30.68% 54	37.50% 66	14.20% 25	176

Sheridan Park & Recreation Master Plan Update

Community Meeting #2

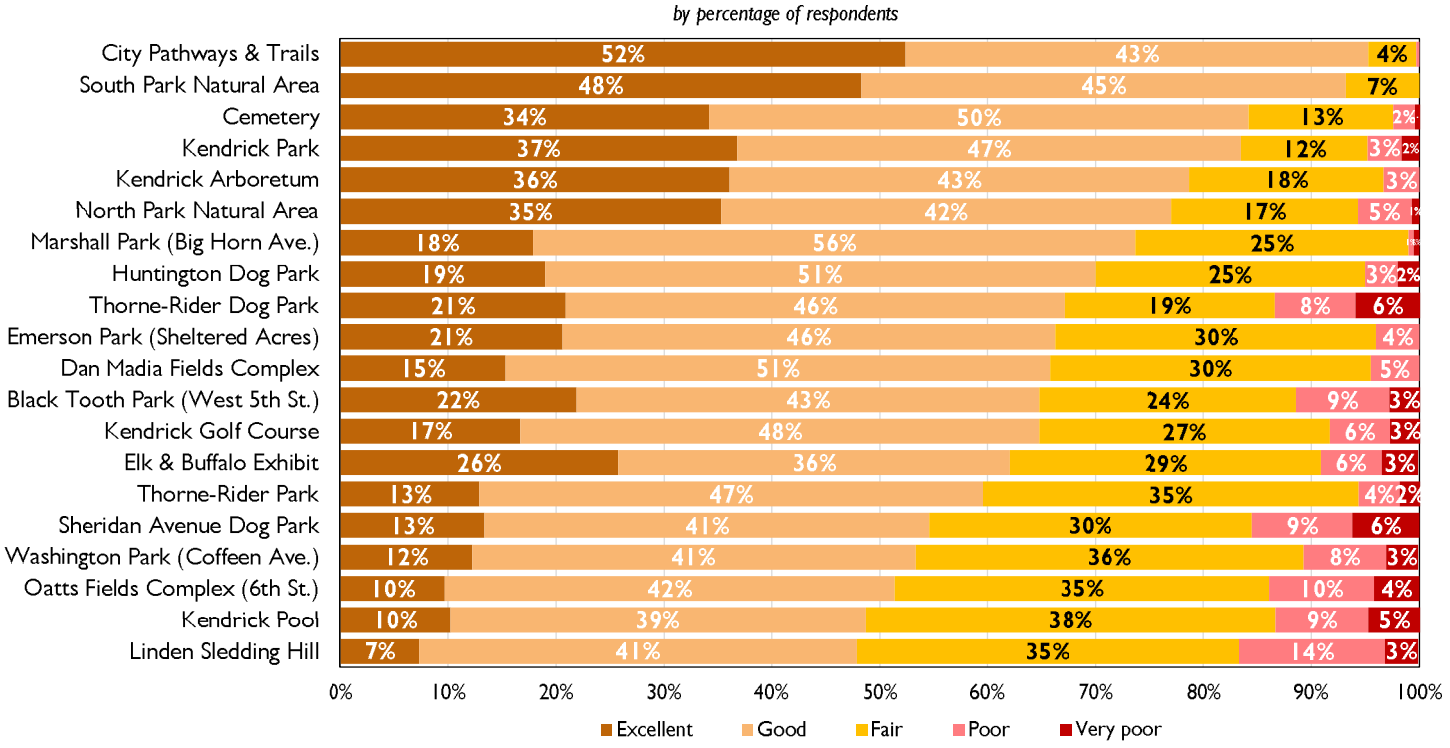
April 11, 2019

Peaks to Plains Design
LANDSCAPE ARCHITECTURE / PLANNING / CIVIL ENGINEERING

pros consulting

CITY OF Sheridan
WYOMING

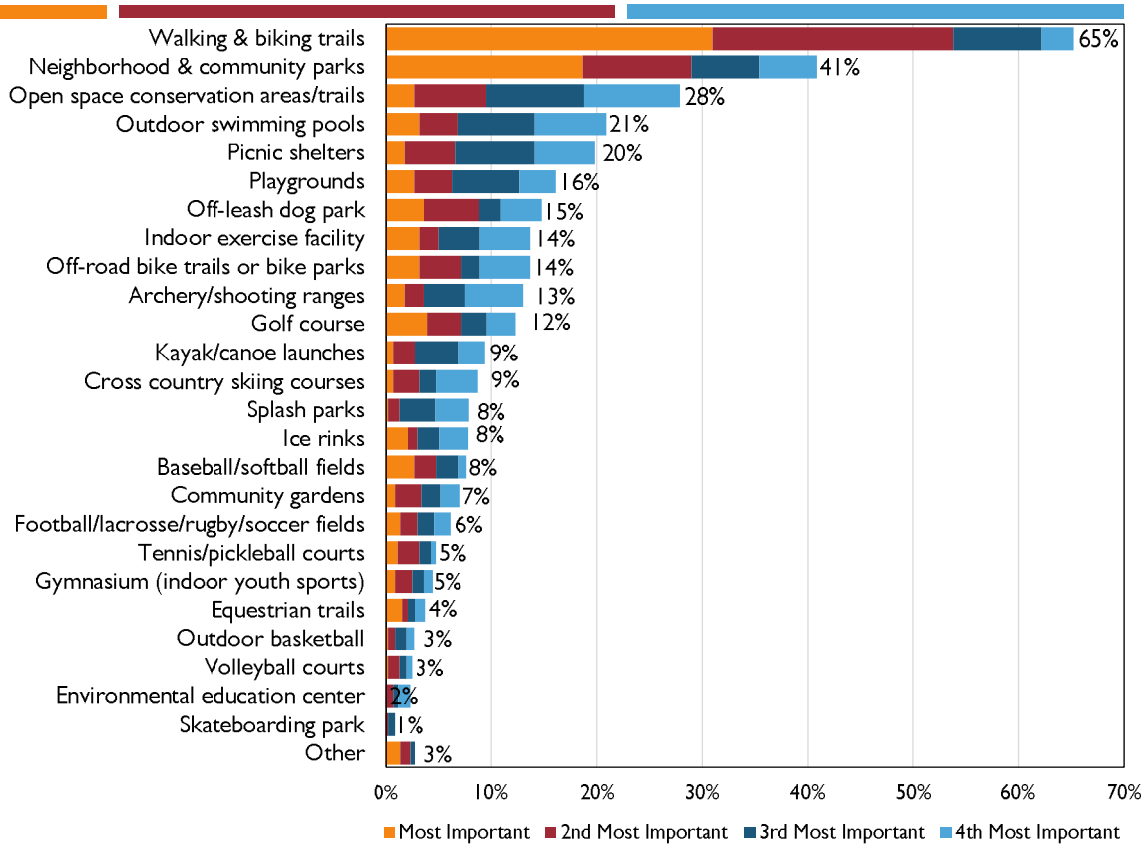
Condition of each of the following facilities that have been visited in the past 12 months



The national benchmark for excellent condition rating of parks, trails, facilities for excellent is 30%.

Facilities That Are Most Important to Respondent Households

by percentage of respondents who selected the items as one of their top four choices



National Benchmark for:

Trails 45%

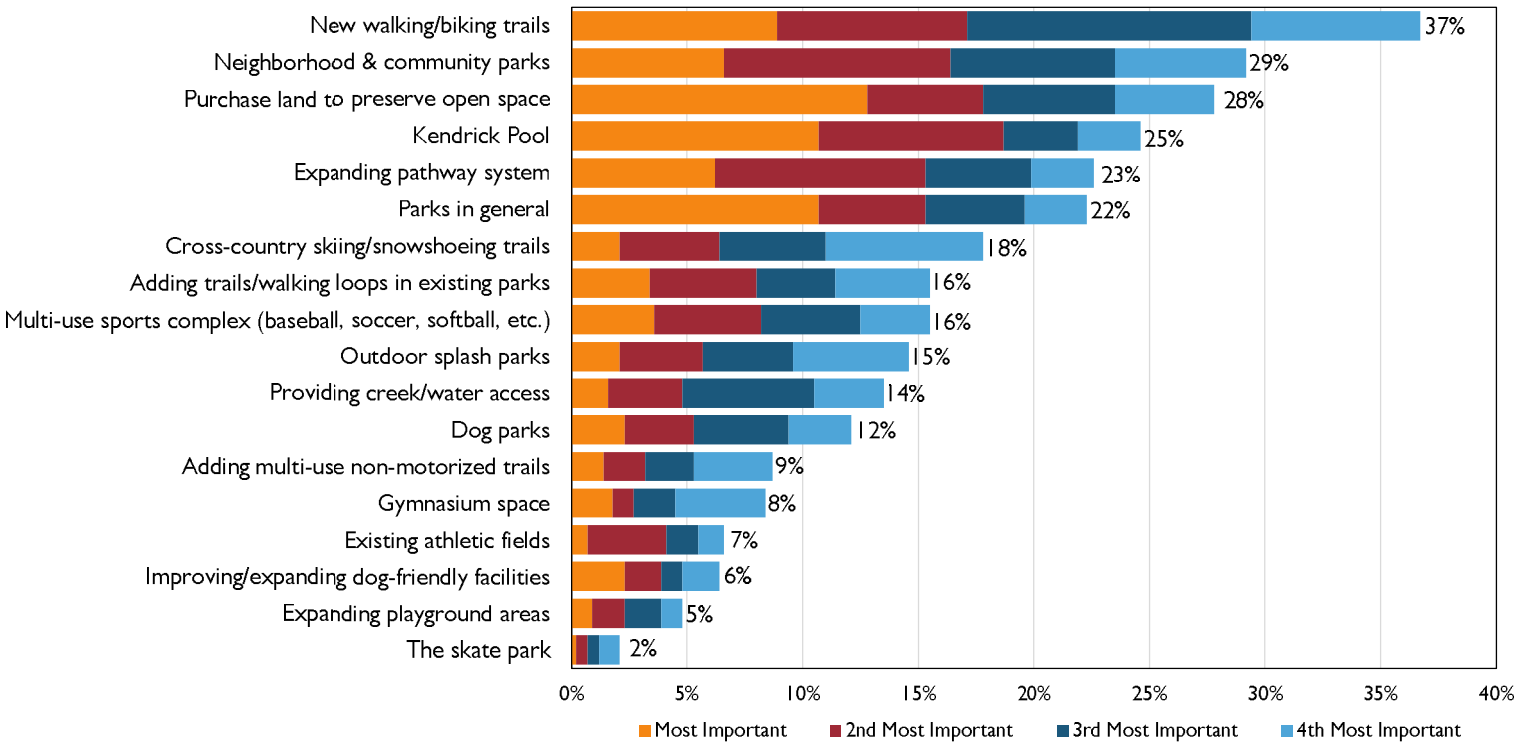
Open Space 21%

Outdoor Swimming 17%

Picnic Shelters 14%

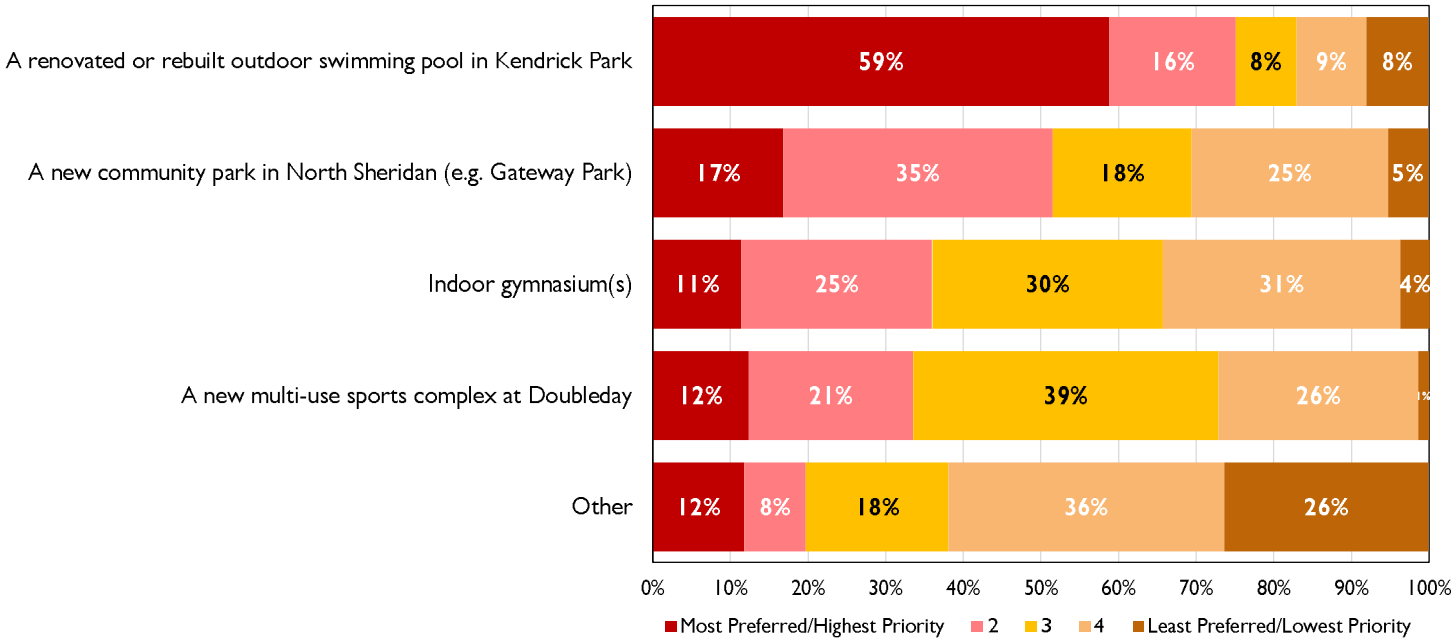
Most Important Improvements Overall

by percentage of respondents who selected the items as one of their top four choices



Specific Park Improvement Priorities

by percentage of respondents



	2019 Inventory	Service Levels						2019 Standards		2029 Standards	
Park Type	Total Inventory	Current Service Level			Recommended Developed Park Service Levels			Meet Standard/ Need Exists	Additional Developed Parks/Facilities/ Amenities Needed	Meet Standard/ Need Exists	Additional Developed Parks/Facilities/ Amenities Needed
Mini Parks (acres)	4.70	0.15	acres per 1,000		0.10	acres per 1,000		Meets Standard	- Acre(s)	Meets Standard	- Acre(s)
Neighborhood Parks (acres)	26.03	0.85	acres per 1,000		1.00	acres per 1,000		Need Exists	5 Acre(s)	Need Exists	7 Acre(s)
Community Parks (acres)	92.46	3.02	acres per 1,000		3.50	acres per 1,000		Need Exists	15 Acre(s)	Need Exists	22 Acre(s)
Natural Resource Areas (acres)	146.60	4.79	acres per 1,000		5.00	acres per 1,000		Need Exists	6 Acre(s)	Need Exists	17 Acre(s)
Special Use Parks (acres) (includes cemeteries)	99.80	3.26	acres per 1,000		3.00	acres per 1,000		Meets Standard	- Acre(s)	Meets Standard	- Acre(s)
Sports Complexes (acres)	129.90	4.25	acres per 1,000		3.50	acres per 1,000		Meets Standard	- Acre(s)	Meets Standard	- Acre(s)
Total Park Acreage	**499.49**	**16.32**	**acres per 1,000**		**16.10**	acres per 1,000		**Meets Standard**	**26 Acre(s)**	**Need Exists**	**46 Acre(s)**

	2019 Inventory	Service Levels						2019 Standards			2029 Standards		
OUTDOOR AMENITIES													
Picnic Shelters	15	1.00	field per	2,040	1.00	field per	2,000	Need Exists	0	Field(s)	Need Exists	1	Field(s)
Diamond Field, 60-ft Bases (Youth)	3	1.00	field per	10,200	1.00	field per	7,500	Need Exists	1	Field(s)	Need Exists	1	Field(s)
Diamond Field, 90-ft Bases (Adult & Teen)	2	1.00	field per	15,300	1.00	field per	15,000	Need Exists	0	Field(s)	Need Exists	0	Field(s)
Diamond, Softball 65 ft Fields (Adult)	2	1.00	field per	15,300	1.00	field per	25,000	Meets Standard	-	Field(s)	Meets Standard	-	Field(s)
Rectangle Fields (all)	17	1.00	field per	1,800	1.00	field per	2,000	Meets Standard	-	Field(s)	Meets Standard	-	Field(s)
Disc Golf	2	1.00	course per	20,400	1.00	course per	25,000	Meets Standard	-	Field(s)	Meets Standard	-	Field(s)
Gun, Shooting & Archery	1	1.00	site per	30,600	1.00	site per	50,000	Meets Standard	-	Site(s)	Meets Standard	-	Site(s)
Basketball Multi-use Courts, Outdoor	24	1.00	court per	1,275	1.00	court per	2,500	Meets Standard	-	Court(s)	Meets Standard	-	Court(s)
Tennis/Pickleball Courts	16	1.00	court per	1,913	1.00	court per	5,000	Meets Standard	-	Field(s)	Meets Standard	-	Field(s)
Playgrounds	22	1.00	site per	1,391	1.00	site per	3,000	Meets Standard	-	Site(s)	Meets Standard	-	Site(s)
Dog Parks	3	1.00	site per	10,200	1.00	site per	7,500	Need Exists	1	Site(s)	Need Exists	1	Site(s)
Skate parks	1	1.00	site per	30,600	1.00	site per	50,000	Meets Standard	-	Site(s)	Meets Standard	-	Site(s)
Golf (18-hole equivalents)	3	1.00	course per	10,200	1.00	course per	50,000	Meets Standard	-	Field(s)	Meets Standard	-	Field(s)
Outdoor Volleyball Courts	2	1.00	court per	15,300	1.00	court per	10,000	Need Exists	1	Field(s)	Need Exists	1	Field(s)
Equestrian Facilities	1	1.00	site per	30,600	1.00	site per	50,000	Meets Standard	-	Site(s)	Meets Standard	-	Site(s)
Outdoor Family Aquatics	1	1.00	site per	30,600	1.00	site per	50,000	Meets Standard	-	Field(s)	Meets Standard	-	Field(s)

Appendix B – Previously Approved Projects

Previousy Approved Projects	
Project Category	**Project Description**
WTP	BGWTP - Utilidor
WTP	BGWTP - Hypochlorite Conversion
Parks	Emergency Hillslide Stabilization
Parks	Army Corps 1135 Study
Parks	Thorne-Rider Park - Pickleball Courts
Parks	North Park Habitat Enhancements
Pathway	Adams Ranch to Coffeen Avenue Widening Pathway
Street / Utilities	Main Street Reconstruction
Streets	North Sheridan Interchange
Streets	Main Street Lane Configuration Test
Streets	East 5th Street Corridor
Streets	Downtown Parking Development
Streets	Street Rotomill & Overlay
Streets	Big Horn Avenue and Brundage Lane Roundabout
Utilities	Sewer and Water Creek Crossings
Utilities	Sewer Lining Project
Solid Waste	Landfill Cell 10 Phase I
Solid Waste	Landfill T7 and T8 Final Cover
Solid Waste	Landfill Cell 9 Phase I & II Final Cover
Solid Waste	Landfill Remediation - Old Sheridan Landfill and T1 - T6
Police Department	Sheridan PD Parking Lot Repair
Police Department	Sheridan PD 911 Cell Phones
Police Department	Sheridan PD Portable Radios
Fire Department	Sheridan FD Self Contained Breathing Apparatus (SCBA)

Appendix C – Decision Matrix

Decision Matrix							
Project Description	Project Category	3	1.5	1.5	1	1	Total Score
		Health & Safety	Funding Availability	Public Ranking	Consolidation of Projects	Strategic Alignment	
WWTP Improvements	WWTP	7	5	1	4	0	34
WWTP Raw Sewage Pump and Railing Replacement	WWTP	7	2	1	2	0	27.5
WWTP Electrical Service and Transformer Replacement	WWTP	7	2	1	2	0	27.5
BGWTP and SWTP - Replace Flocculators	WTP	7	2	2	4	0	31
BGWTP and SWTP - Baffle Improvements	WTP	7	2	2	4	0	31
BGWTP - Clearwell Overflow Pipe	WTP	2	2	2	4	0	16
Intake - Pre-sedimentation Rehabilitation	WTP	4	2	2	4	0	22
BGWTP Sludge Drying Beds	WTP	2	2	2	4	0	16
Park's New Office/Shop	Parks	2	1	2	1	5	16.5
Kendrick Park Improvements	Parks	6	1	7	4	5	39
Black Tooth Park Phase II	Parks	8	1	6	4	5	43.5
Gateway Park Phase II	Parks	4	5	7	1	5	36
Kendrick Park Pool	Parks	4	1	4	1	5	25.5
Elk Pasture Barn/Historical Museum Rehabilitation	Parks	0	1	2	1	2	7.5
Sheridan/Coffeen/Wyoming Avenues - Green Space	Parks	0	1	2	1	2	7.5
Oatts Fields Complex (6th Street)	Parks	4	1	4	1	5	25.5
Cemetery Upgrades	Cemetery	2	1	2	3	5	18.5
Kendrick Park to Cemetery Pathway	Pathway	4	1	4	1	5	25.5
WWTP to Main Street via Old RR Pathway	Pathway	4	1	4	1	5	25.5
Emerson Street Reconstruction	Street / Utilities	4	4	3	4	2	28.5
5th Street to Lewis Street Reconstruction	Street / Utilities	4	4	3	3	2	27.5

Decision Matrix							
Project Description	Project Category	3	1.5	1.5	1	1	Total Score
		Health & Safety	Funding Availability	Public Ranking	Consolidation of Projects	Strategic Alignment	
Sheridan Avenue Reconstruction	Street / Utilities	4	4	5	2	5	32.5
Lewis Street Reconstruction	Street / Utilities	4	4	5	3	2	30.5
South Thurmond Street Reconstruction	Street / Utilities	6	4	4	4	2	36
East Downtown Improvements	Street / Utilities	4	4	3	4	5	31.5
South Downtown Improvements	Street / Utilities	6	4	3	3	5	36.5
Terra Avenue Storm Drainage	Streets	2	1	3	2	2	16
Bridge Repair at Brooks & Val Vista Street, Water & Works Street	Streets	4	5	3	1	5	30
Storm Drainage Master Plan & Improvements	Streets	2	1	3	1	5	18
5th Street Traffic Upgrades	Streets	4	1	4	1	5	25.5
5th Street and Long Drive Roundabout	Streets	4	1	7	1	5	30
City Service Center Parking Enhancements	Streets	0	1	3	1	0	7
GIS for Storm Sewers City-Wide	Streets	2	1	3	1	0	13
20in Raw Water Transmission Main Rehabilitation	Utilities	4	5	2	1	5	28.5
Airport Transmission Main	Utilities	4	5	2	1	5	28.5
4MG Tank Metering Upgrades	Utilities	2	5	2	1	5	22.5
Terra, Riverside, South Sheridan Avenues Water Main	Utilities	4	4	2	2	0	23
North Heights Water Main Replacement	Utilities	4	5	4	2	5	32.5
Reservoir Upgrades at North Low and South Low Tanks	Utilities	4	5	2	1	5	28.5
Sugarview Drive Water Main Replacement	Utilities	2	4	2	1	0	16
Storm Water Conveyance System Improvements	Utilities	4	5	3	1	5	30

Scoring for the Decision Matrix:

WWTP Improvements:

Health & Safety: scored a 7 because it satisfies statement 3, impacts more than 200 people, and does not meet regulatory compliance.
Funding Availability: scored a 5 because it can be funded by Grants.
Public Ranking: scored a 1 because it's a sanitary sewer project and sanitary sewer projects were given a satisfactory rating of 5 in the community survey.
Consolidation of Projects: scored a 4 because it combines 4 projects.
Strategic Alignment: scored a 0 because it does not align with City planning documents.

WWTP Raw Sewage Pump and Railing Replacement:

Health & Safety: scored a 7 because it satisfies statement 3, impacts more than 200 people, and does not meet regulatory compliance.
Funding Availability: scored a 2 because it can be funded by Enterprise Funds.
Public Ranking: scored a 1 because it's a sanitary sewer project and sanitary sewer projects were given a satisfactory rating of 5 in the community survey.
Consolidation of Projects: scored a 2 because it combines 2 projects.
Strategic Alignment: scored a 0 because it does not align with City planning documents.

WWTP Electrical Service and Transformer Replacement:

Health & Safety: scored a 7 because it satisfies statement 3, impacts more than 200 people, and does not meet regulatory compliance.
Funding Availability: scored a 2 because it can be funded by Enterprise Funds.
Public Ranking: scored a 1 because it's a sanitary sewer project and sanitary sewer projects were given a satisfactory rating of 5 in the community survey.
Consolidation of Projects: scored a 2 because it combines 2 projects.
Strategic Alignment: scored a 0 because it does not align with City planning documents.

BGWTP and SWTP – Replace Flocculators:

Health & Safety: scored a 7 because it satisfies statement 3, impacts more than 200 people, and does not meet regulatory compliance.
Funding Availability: scored a 2 because it can be funded by Enterprise funds.
Public Ranking: scored a 2 because it's a water project and water projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 4 because it can be combined with 3 other projects.
Strategic Alignment: scored a 0 because it does not align with City planning documents.

BGWTP and SWTP – Baffle Improvements:

Health & Safety: scored a 7 because it satisfies statement 3, impacts more than 200 people, and does not meet regulatory compliance.
Funding Availability: scored a 2 because it can be funded by Enterprise funds.
Public Ranking: scored a 2 because it's a water project and water projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 4 because it can be combined with 3 other projects.
Strategic Alignment: scored a 0 because it does not align with City planning documents.

BGWTP – Clearwell Overflow Pipe:

Health & Safety: scored a 2 because it satisfies statement 3.
Funding Availability: scored a 2 because it can be funded by Enterprise funds.
Public Ranking: scored a 2 because it's a water project and water projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 4 because it can be combined with 3 other projects.
Strategic Alignment: scored a 0 because it does not align with City planning documents.

Intake – Pre-sedimentation Rehabilitation:

Health & Safety: scored a 4 because it satisfies statement 3 and impacts more than 200 people.
Funding Availability: scored a 2 because it can be funded by Enterprise funds.
Public Ranking: scored a 2 because it's a water project and water projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 4 because it can be combined with 3 other projects.
Strategic Alignment: scored a 0 because it does not align with City planning documents.

BGWTP Sludge Drying Beds:

Health & Safety: scored a 2 because it satisfies statement 3.
Funding Availability: scored a 2 because it can be funded by Enterprise funds.
Public Ranking: scored a 2 because it's a water project and water projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 4 because it can be combined with 3 other projects.
Strategic Alignment: scored a 0 because it does not align with City planning documents.

Park's New Office/Shop:

Health & Safety: scored a 2 because it satisfies statement 4.
Funding Availability: scored a 1 because it can be funded by City Revenue.
Public Ranking: scored a 2 because it's a parks project and parks projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the ongoing Parks and Recreation Master Plan.

Kendrick Park Improvements:

Health & Safety: scored a 6 because it satisfies statements 1 and 4 and impacts more than 200 people.
Funding Availability: scored a 1 because it can be funded by City Revenue.
Public Ranking: scored a 7 because it's a parks project and parks were given a satisfactory rating of 4 in the community survey and an additional 5 points were added because it was mentioned in five categories from the Parks and Recreation Master Plan community survey.
Consolidation of Projects: scored a 4 because it combines several projects within the park.
Strategic Alignment: scored a 5 because it directly aligns with the ongoing Parks and Recreation Master Plan.

Black Tooth Park Phase II:

Health & Safety: scored an 8 because it satisfies statements 1 and 4 and impacts more than 200 people.
Funding Availability: scored a 1 because it can be funded by City Revenue.
Public Ranking: scored a 6 because it's a parks project and parks were given a satisfactory rating of 4 in the community survey and an additional 4 points were added because it was mentioned in four categories from the Parks and Recreation Master Plan community survey.
Consolidation of Projects: scored a 4 because it combines several projects within the park.
Strategic Alignment: scored a 5 because it directly aligns with the ongoing Parks and Recreation Master Plan.

Gateway Park Phase II:

Health & Safety: scored a 6 because it satisfies statement 1 and impacts more than 200 people.
Funding Availability: scored a 5 because there is a grant through partnerships.
Public Ranking: scored a 7 because it's a parks project and parks were given a satisfactory rating of 4 in the community survey and an additional 5 points were added because it was mentioned in five categories from the Parks and Recreation Master Plan community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other project.
Strategic Alignment: scored a 5 because it directly aligns with the ongoing Parks and Recreation Master Plan.

Kendrick Park Pool:

Health & Safety: scored a 4 because it satisfies statement 1 and impacts more than 200 people.
Funding Availability: scored a 1 because it can be funded by City Revenue.
Public Ranking: scored a 4 because it's a parks project and parks were given a satisfactory rating of 4 in the community survey and an additional 2 points were added because it was mentioned in two categories from the Parks and Recreation Master Plan community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other project.
Strategic Alignment: scored a 5 because it directly aligns with the ongoing Parks and Recreation Master Plan.

Elk Pasture Barn/Historical Museum Rehabilitation:

Health & Safety: scored a 0 because it does not satisfy any Health or Safety requirements.
Funding Availability: scored a 1 because it can be funded by City Revenue.
Public Ranking: scored a 2 because it's a parks project and parks were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 2 because it indirectly aligns with the ongoing Parks and Recreation Master Plan.

Sheridan/Coffeen/Wyoming Avenues – Green Space:

Health & Safety: scored a 0 because it does not satisfy any Health or Safety requirements.
Funding Availability: scored a 1 because it can be funded by City Revenue.
Public Ranking: scored a 2 because it's a parks project and parks were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 2 because it indirectly aligns with the ongoing Parks and Recreation Master Plan.

Oatts Fields Complex (6th Street):

Health & Safety: scored a 4 because it satisfies statement 1 and affects more than 200 people.
Funding Availability: scored a 1 because it can be funded by City Revenue.
Public Ranking: scored a 4 because it's a parks project and parks were given a satisfactory rating of 4 in the community survey and an additional 2 points were added because it was mentioned in two categories from the Parks and Recreation Master Plan community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the ongoing Parks and Recreation Master Plan.

Cemetery Upgrades:

Health & Safety: scored a 2 because it satisfies statement 1.
Funding Availability: scored a 1 because it can be funded by City Revenue.
Public Ranking: scored a 2 because it's a parks project and parks were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 3 because it combines 3 projects within the cemetery.
Strategic Alignment: scored a 5 because it directly aligns with the Cemetery Master Plan.

Kendrick Park to Cemetery Pathway:

Health & Safety: scored a 4 because it satisfies statement 1 and impacts more than 200 people.
Funding Availability: scored a 1 because it can be funded by City Revenue.
Public Ranking: scored a 4 because it's a pathways project and pathways were given a satisfactory rating of 4 in the community survey and an additional 2 points were added because it was mentioned in two categories from the Parks and Recreation Master Plan community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the ongoing Parks and Recreation Master Plan and the Sheridan Transportation Policy Plan.

WWTP to Main St via Old RR Pathway:

Health & Safety: scored a 4 because it satisfies statement 1 and impacts more than 200 people.
Funding Availability: scored a 1 because it can be funded by City Revenue.
Public Ranking: scored a 4 because it's a pathways project and pathways were given a satisfactory rating of 4 in the community survey and an additional 2 points were added because it was mentioned in two categories from the Parks and Recreation Master Plan community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the ongoing Parks and Recreation Master Plan and Sheridan Transportation Policy Plan.

Emerson Street Reconstruction:

Health & Safety: scored a 4 because it satisfies statement 2 and impacts more than 200 people.
Funding Availability: scored a 4 because it would qualify for SRF funds with principal forgiveness.
Public Ranking: scored a 3 because it's a combination of water, sewer, storm, and streets projects which were given an average satisfactory rating of 4 in the community survey and an additional 1 point was added because it was mentioned four times with dissatisfaction within the comments of the CIP community survey.
Consolidation of Projects: scored a 4 because it combines 4 projects.
Strategic Alignment: scored a 2 because it is indirectly align with the Sheridan Transportation Policy Plan.

5th Street to Lewis Street Reconstruction:

Health & Safety: scored a 4 because it satisfies statement 2 and impacts more than 200 people.
Funding Availability: scored a 4 because it would qualify for SRF funds with principal forgiveness.
Public Ranking: scored a 3 because it's a combination of water, sewer, and streets projects which were given an average satisfactory rating of 4 in the community survey and an additional 1 point was added because it was mentioned one time with dissatisfaction within the comments of the CIP community survey.
Consolidation of Projects: scored a 3 because it combines 3 projects.
Strategic Alignment: scored a 2 because it is indirectly align with the Sheridan Transportation Policy Plan.

Sheridan Avenue Reconstruction:

Health & Safety: scored a 4 because it satisfies statement 2 and impacts more than 200 people.
Funding Availability: scored a 4 because it would qualify for SRF funds with principal forgiveness.
Public Ranking: scored a 5 because it's a combination of water and streets projects which were given an average satisfactory rating of 4 in the community survey and an additional 3 points were added because it was mentioned eleven times with dissatisfaction within the comments of the CIP community survey.
Consolidation of Projects: scored a 2 because it combines 2 projects.
Strategic Alignment: scored a 5 because it directly aligns with the Sheridan Transportation Policy Plan.

Lewis Street Reconstruction:

Health & Safety: scored a 4 because it satisfies statement 2 and impacts more than 200 people.
Funding Availability: scored a 4 because it would qualify for SRF funds with principal forgiveness.
Public Ranking: scored a 5 because it's a combination of water, sewer, and streets projects which were given an average satisfactory rating of 4 in the community survey and an additional 3 points were added because it was mentioned nine times with dissatisfaction within the comments of the CIP community survey.
Consolidation of Projects: scored a 3 because it combines 3 projects.
Strategic Alignment: scored a 2 because it indirectly aligns with the Sheridan Transportation Policy Plan.

South Thurmond Street Reconstruction:

Health & Safety: scored a 6 because it satisfies statements 1 and 2 and impacts more than 200 people.
Funding Availability: scored a 4 because it would qualify for SRF funds with principal forgiveness.
Public Ranking: scored a 4 because it's a combination of water, sewer, storm, and streets projects which were given an average satisfactory rating of 4 in the community survey and an additional 2 points were added because it was mentioned five times with dissatisfaction within the comments of the CIP community survey.
Consolidation of Projects: scored a 4 because it combines 4 projects.
Strategic Alignment: scored a 2 because it indirectly aligns with the Sheridan Transportation Policy Plan.

East Downtown Improvements:

Health & Safety: scored a 4 because it satisfies statement 2 and impacts more than 200 people.
Funding Availability: scored a 4 because it would qualify for SRF funds with principal forgiveness.
Public Ranking: scored a 3 because it's a combination of water, sewer, storm, and streets projects which were given an average satisfactory rating of 4 in the community survey and an additional 1 point was added because it was mentioned one time with dissatisfaction within the comments of the CIP community survey.
Consolidation of Projects: scored a 4 because it combines 4 projects.
Strategic Alignment: scored a 5 because it directly aligns with the previous CIP and indirectly aligns with the Sheridan Transportation Policy Plan.

South Downtown Improvements:

Health & Safety: scored a 6 because it satisfies statements 1 and 2 and impacts more than 200 people.
Funding Availability: scored a 4 because it would qualify for SRF funds with principal forgiveness.
Public Ranking: scored a 3 because it's a combination of water, sewer, and streets projects which were given an average satisfactory rating of 4 in the community survey and an additional 1 point was added because it was mentioned three times with dissatisfaction within the comments of the CIP community survey.
Consolidation of Projects: scored a 3 because it combines 3 projects.
Strategic Alignment: scored a 5 because it directly aligns with the previous CIP indirectly aligns with the Sheridan Transportation Policy Plan.

Terra Avenue Storm Drainage:

Health & Safety: scored a 2 because it satisfies statement 3.
Funding Availability: scored a 1 because it can be funded with City Revenue.
Public Ranking: scored a 3 because it's a storm water project and storm water was given a satisfactory rating of 3 in the community survey.
Consolidation of Projects: scored a 2 because it can be combined with one other project.
Strategic Alignment: scored a 2 because it is indirectly align with the 1987 Sheridan Storm Water Management Plan.

Bridge Repair at Brooks & Val Vista Street, Water & Works Street:

Health & Safety: scored a 4 because it satisfies statement 1 and impacts more than 200 people.
Funding Availability: scored a 5 because it is a partnership with WYDOT.
Public Ranking: scored a 3 because it's a streets project and streets were given a satisfactory rating of 3 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it does directly aligns with the Sheridan Transportation Policy Plan.

Storm Drainage Master Plan & Improvements:

Health & Safety: scored a 2 because it satisfies statement 3.
Funding Availability: scored a 1 because it can be funded with City Revenue.
Public Ranking: scored a 3 because it's a storm water project and storm water was given a satisfactory rating of 3 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the 1987 Sheridan Storm Water Management Plan and the Goose Creek Watershed TMDLs Study.

5th Street Traffic Upgrades:

Health & Safety: scored a 4 because it satisfies statement 1 and impacts more than 200 people.
Funding Availability: scored a 1 because it can be funded with City Revenue.
Public Ranking: scored a 4 because it's a streets project and streets were given a satisfactory rating of 3 in the community survey and an additional 1 point was added because it was mentioned two times with dissatisfaction within the comments of the CIP community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the Sheridan Transportation Policy Plan.

5th Street and Long Drive Roundabout:

Health & Safety: scored a 4 because it satisfies statement 1 and impacts more than 200 people.
Funding Availability: scored a 1 because it can be funded with City Revenue.
Public Ranking: scored an 7 because it's a streets project and streets were given a satisfactory rating of 3 in the community survey and an additional 4 points were added because it was mentioned fifteen times with dissatisfaction within the comments of the CIP community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the Sheridan Transportation Policy Plan.

City Service Center Parking Enhancements:

Health & Safety: scored a 0 because it does not satisfy any Health or Safety requirements.
Funding Availability: scored a 1 because it can be funded with City Revenue.
Public Ranking: scored a 3 because it's a streets project and streets were given a satisfactory rating of 3 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 0 because it does not directly align with City planning documents.

GIS for Storm Sewers City-Wide:

Health & Safety: scored a 2 because it satisfies statement 3.
Funding Availability: scored a 1 because it can be funded with City Revenue.
Public Ranking: scored a 3 because it's a storm water project and storm water was given a satisfactory rating of 3 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 0 because it does not directly align with City planning documents.

20in Raw Water Transmission Main Rehabilitation:

Health & Safety: scored a 4 because it satisfies statement 2 and impacts more than 200 people.
Funding Availability: scored a 5 because it would qualify for WWDC grant money.
Public Ranking: scored a 2 because it's a water project and water projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the Water Master Plan.

Airport Transmission Main:

Health & Safety: scored a 4 because it satisfies statement 2 and impacts more than 200 people.
Funding Availability: scored a 5 because it would qualify WWDC grant money.
Public Ranking: scored a 2 because it's a water project and water projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the Water Master Plan.

4MG Tank Metering Upgrades:

Health & Safety: scored a 2 because it satisfies statement 3.
Funding Availability: scored a 5 because it would qualify for WWDC grant money.
Public Ranking: scored a 2 because it's a water project and water projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the Water Master Plan.

Terra, Riverside, South Sheridan Avenues Water Main:

Health & Safety: scored a 4 because it satisfies statement 2 and impacts more than 200 people.
Funding Availability: scored a 4 because it would qualify for SRF funds with principal forgiveness.
Public Ranking: scored a 2 because it's a water project and water projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 2 because it can combine with one other project.
Strategic Alignment: scored a 0 because it does not directly align with City planning documents.

North Heights Water Main Replacement:

Health & Safety: scored a 4 because it satisfies statement 2 and impacts more than 200 people.
Funding Availability: scored a 5 because an AML Grant application has been submitted.
Public Ranking: scored a 3 because it's a combination of water and streets projects which were given an average satisfactory rating of 4 in the community survey and an additional 2 points were added because it was mentioned eight times with dissatisfaction within the comments of the CIP community survey.
Consolidation of Projects: scored a 2 because it combines 2 projects.
Strategic Alignment: scored a 5 because it directly aligns with the previous CIP.

Reservoir Upgrades at North Low and South Low Tanks:

Health & Safety: scored a 4 because it satisfies statement 3 and impacts more than 200 people.
Funding Availability: scored a 5 because it would qualify WWDC grant money.
Public Ranking: scored a 2 because it's a water project and water projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the Water Master Plan.

Sugarview Drive Water Main Replacement:

Health & Safety: scored a 2 because it satisfies statement 2.
Funding Availability: scored a 4 because it would qualify for SRF funds with principal forgiveness.
Public Ranking: scored a 2 because it's a water project and water projects were given a satisfactory rating of 4 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 0 because it does not directly align with City planning documents.

Storm Water Conveyance System Improvements:

Health & Safety: scored a 4 because it satisfies statement 3 and impacts more than 200 people.
Funding Availability: scored a 5 because it would qualify for an MRG grant, CDBG grant or BRC grant.
Public Ranking: scored a 3 because it's a storm water project and storm water projects were given a satisfactory rating of 3 in the community survey.
Consolidation of Projects: scored a 1 because it can't be combined with any other projects.
Strategic Alignment: scored a 5 because it directly aligns with the 1987 Sheridan Storm Water Management Plan and the Goose Creek Watershed TMDLs Study.

Appendix D – Project Prioritization List

Project Prioritization List		
Rank	**Project**	**Score**
1	Black Tooth Park Phase II	43.5
2	Kendrick Park Improvements	39
3	South Downtown Improvements	36.5
4	Gateway Park Phase II	36
5	South Thurmond Street Reconstruction	36
6	WWTP Improvements	34
7	Sheridan Avenue Reconstruction	32.5
8	North Heights Water Main Replacement	32.5
9	East Downtown Improvements	31.5
10	BGWTP and SWTP - Replace Flocculators	31
11	BGWTP and SWTP - Baffle Improvements	31
12	Lewis Street Reconstruction	30.5
13	Bridge Repair at Brooks & Val Vista Street, Water & Works Street	30
14	5th Street and Long Drive Roundabout	30
15	Storm Water Conveyance System Improvements	30
16	Emerson Street Reconstruction	28.5
17	20in Raw Water Transmission Main Rehabilitation	28.5
18	Airport Transmission Main	28.5
19	Reservoir Upgrades at North Low and South Low Tanks	28.5
20	WWTP Raw Sewage Pump and Railing Replacement	27.5
21	WWTP Electrical Service and Transformer Replacement	27.5
22	5th Street to Lewis Street Reconstruction	27.5
23	Kendrick Park Pool	25.5
24	Oatts Fields Complex (6th Street)	25.5
25	Kendrick Park to Cemetery Pathway	25.5
26	WWTP to Main Street via Old RR Pathway	25.5
27	5th Street Traffic Upgrades	25.5
28	Terra, Riverside, South Sheridan Avenues Water Main	23
29	4MG Tank Metering Upgrades	22.5
30	Intake - Pre-sedimentation Rehabilitation	22
31	Cemetery Upgrades	18.5
32	Storm Drainage Master Plan & Improvements	18
33	Park's New Office/Shop	16.5
34	BGWTP - Clearwell Overflow Pipe	16
35	BGWTP Sludge Drying Beds	16
36	Terra Avenue Storm Drainage	16
37	Sugarview Drive Water Main Replacement	16
38	GIS for Storm Sewers City-Wide	13
39	Elk Pasture Barn/Historical Museum Rehabilitation	7.5
41	Sheridan/Coffeen/Wyoming Avenues - Green Space	7.5
42	City Service Center Parking Enhancements	7

Appendix E – Capital Improvement Projects Schedule

Capital Improvement Projects Schedule								
Project Category	Project Description	2020	2021	2022	2023	2024	2025-2029	Cost Estimate
WWTP	WWTP Improvements					●		$ 2,420,000
WWTP	WWTP Raw Sewage Pump and Railing Replacement			●				$ 160,000
WWTP	WWTP Electrical Service and Transformer Replacement			●				$ 145,000
WTP	BGWTP - Utilidor	●						$ 390,000
WTP	BGWTP - Hypochlorite Conversion	●						$ 200,000
WTP	BGWTP and SWTP - Replace Flocculators						●	$ 200,000
WTP	BGWTP and SWTP - Baffle Improvements						●	$ 1,375,000
WTP	BGWTP - Clearwell Overflow Pipe						●	$ 126,000
WTP	Intake - Pre-sedimentation Rehabilitation						●	$ 157,500
WTP	BGWTP Sludge Drying Beds				●			$ 375,000
Parks	Emergency Hillslide Stabilization	●						$ 9,730,664
Parks	Park's New Office/Shop						●	$ 750,000
Parks	Kendrick Park Improvements	●				●	●	$ 2,410,000
Parks	Black Tooth Park Phase II	●				●	●	$ 2,400,000
Parks	Gateway Park Phase II	●			●			$ 1,200,000
Parks	Kendrick Park Pool	●					●	$ 5,400,000
Parks	Elk Pasture Barn/Historical Museum Rehabilitation						●	$ 1,000,000
Parks	Sheridan/Coffeen/Wyoming Avenues - Green Space						●	$ 300,000
Parks	Army Corps 1135 Study	●						$ 603,000
Parks	Thorne-Rider Park - Pickleball Courts	●	●					$ 150,000
Parks	North Park Habitat Enhancements		●					$ 615,000
Parks	Oatts Fields Complex (6th Street)						●	$ 155,100

Capital Improvement Projects Schedule								
Project Category	Project Description	2020	2021	2022	2023	2024	2025-2029	Cost Estimate
Cemetery	Cemetery Upgrades						●	$ 3,619,000
Pathway	Adams Ranch to Coffeen Avenue Widening Pathway		●	●	●			$ 655,000
Pathway	Kendrick Park to Cemetery Pathway						●	$ 250,000
Pathway	WWTP to Main Street via Old RR Pathway						●	$ 325,000
Street / Utilities	Emerson Street Reconstruction						●	$ 5,100,000
Street / Utilities	5th Street to Lewis Street Reconstruction						●	$ 5,958,000
Street / Utilities	Sheridan Avenue Reconstruction						●	$ 2,698,000
Street / Utilities	Lewis Street Reconstruction						●	$ 4,719,000
Street / Utilities	South Thurmond Street Reconstruction						●	$ 3,227,000
Street / Utilities	Main Street Reconstruction			●	●			$ 3,400,000
Street / Utilities	East Downtown Improvements						●	$ 5,057,000
Street / Utilities	South Downtown Improvements		●	●	●	●		$ 5,550,000
Streets	North Sheridan Interchange	●	●	●	●			$ 6,156,000
Streets	Main Street Lane Configuration Test	●						$ 75,000
Streets	East 5th Street Corridor	●	●					$ 2,200,000
Streets	Terra Avenue Storm Drainage						●	$ 770,000
Streets	Downtown Parking Development	●	●	●				$ 835,000
Streets	Street Rotomill & Overlay	●	●	●	●	●	●	$ 5,074,000
Streets	Bridge Repair at Brooks & Val Vista Street, Water & Works Street		●	●	●			$ 410,000
Streets	Storm Drainage Master Plan & Improvements	●					●	$ 6,604,000
Streets	5th Street Traffic Upgrades						●	$ 100,000

Capital Improvement Projects Schedule								
Project Category	Project Description	2020	2021	2022	2023	2024	2025-2029	Cost Estimate
Streets	5th Street and Long Drive Roundabout						●	$ 2,032,500
Streets	Big Horn Avenue and Brundage Lane Roundabout						●	$ 2,500,000
Streets	City Service Center Parking Enhancements						●	$ 251,550
Streets	GIS for Storm Sewers City-Wide						●	$ 150,000
Utilities	20in Raw Water Transmission Main Rehabilitation						●	$ 19,727,750
Utilities	Airport Transmission Main		●	●				$ 4,030,050
Utilities	4MG Tank Metering Upgrades						●	$ 450,450
Utilities	Terra, Riverside, South Sheridan Avenues Water Main						●	$ 2,220,000
Utilities	North Heights Water Main Replacement				●	●	●	$ 11,345,000
Utilities	Reservoir Upgrades at North Low and South Low Tanks						●	$ 1,051,050
Utilities	Sugarview Drive Water Main Replacement						●	$ 730,000
Utilities	Sewer and Water Creek Crossings	●			●			$ 684,000
Utilities	Sewer Lining Project	●						$ 400,000
Utilities	Storm Water Conveyance System Improvements						●	$ 440,850
Solid Waste	Landfill Cell 10 Phase I	●			●	●	●	$ 365,000
Solid Waste	Landfill T7 and T8 Final Cover	●						$ 3,400,000
Solid Waste	Landfill Cell 9 Phase I & II Final Cover						●	$ 3,200,000
Solid Waste	Landfill Remediation - Old Sheridan Landfill and T1 - T6	●	●				●	$ 3,600,000
Police Department	Sheridan PD Parking Lot Repair	●	●					$ 100,000
Police Department	Sheridan PD 911 Cell Phones	●						$ 400,000
Police Department	Sheridan PD Portable Radios		●					$ 160,000
Fire Department	Sheridan FD Self Contained Breathing Apparatus (SCBA)	●						$ 305,000

Appendix F – Fleet Purchases Schedule

Fleet Purchases Schedule								
Department	Description	2020	2021	2022	2023	2024	2025-2029	Cost
Waste Collection	Side Load Truck 3-8	●					●	$ 290,000
Waste Collection	Side Load Truck 3-7	●					●	$ 290,000
Waste Collection	Side Load Truck; 3-13, 10 Autocar							-
Waste Collection	Side Load Truck 3-17		●				●	$ 290,000
Waste Collection	Side Load Truck; 3-15; 2000 Volvo							-
Waste Collection	Side Load Truck (Bridgeport)	●					●	$ 210,000
Waste Collection	Rear Loader Truck; 3-14, 2016 Autocar		●				●	$ 130,000
Waste Collection	Rear Loader Truck; 3-16, 06 Autocar						●	$ 140,000
Waste Collection	Front Load Truck; 3-10, 08 Autocar		●				●	$ 240,000
Waste Collection	Front Load Truck; 3-20, 2016 Peterbilt				●		●	$ 260,000
Waste Collection	Stinger Truck; 3-61, 08 International (stinger truck)						●	$ 100,000
Streets	5 Yard Dump Truck; 3-29, 2016 Freight Liner plow dump						●	$ 150,000
Streets	Regen Air Sweeper; 3-30, 2012 Freight Liner Sweeper	●						$ 240,000
Streets	5 Yard Dump Truck; 3-33, 2016 Freight Liner plow dump						●	$ 150,000
Streets	Tandem Dump Truck; 3-36, 02 Volvo			●				$ 145,000
Streets	Tandem Dump Truck; 3-37, 17 Freight Liner						●	$ 150,000
Streets	5 Yard Dump Truck; 3-40, 04 Ford 750	●						$ 140,000
Streets	Regen Air Sweeper; 3-42, 15 Peterbilt/ELGIN MOD 220					●		$ 200,000
Streets	5 Yard Dump Truck; 3-45, 08 Freight Liner with plow				●			$ 145,000
Streets	Oil Distributor; 3-57, 04 Ford 750					●		$ 125,000
Streets	Grader; 4-40, 2018 Caterpillar 140M3 LEASE		●	●	●	●	●	$ 27,005

Fleet Purchases Schedule								
Department	Description	2020	2021	2022	2023	2024	2025-2029	Cost
Streets	Paver; 4-96, 07 Bomag BW 814-2						●	$ 100,000
Snow Removal	Snow Blower; 4-58, 2014 Larue					●		$ 300,000
Snow Removal	Snow Blower; 4-59, 09 Fair		●					$ 300,000
Recycling	Side Load Truck; 3-32, 2015 Mack (Dual Arm)		●				●	$ 170,000
Recycling	Front Load Truck; 3-12, 08 Peterbilt	●					●	$ 160,000
Recycling	Roll Off Truck 3-62			●			●	$ 80,000
Recycling	Roll Off Truck 3-63			●			●	$ 80,000
Landfill	Roll Off Truck 3-60						●	$ 100,000
Landfill	Tandem Dump Truck; 3-38, 99 Volvo					●		$ 150,000
Landfill	Track Dozer; 4-34A, 2016 Caterpillar D-6 5-YEAR LEASE	●	●	●	●	●		$ 55,232
Landfill	Equipment; 4-82, TANA Compactor 7-YEAR LEASE	●	●	●	●	●	●	$ 115,376
Landfill	Loader; 4-84, 2014 Wheel Loader LEASE							-
Landfill	Loader; 4-86, 2014 Wheel Loader 5-YEAR LEASE	●	●	●	●	●		$ 28,073
Waste Water	Tandem Dump Truck; 3-80, 05 Freight					●		$ 140,000
Waste Water	Dump Truck 5 CY; 3-81, 1992 International 5 YD		●					$ 100,000
Utility Maintenance	Tandem Dump Truck; 3-79, 2008 Sterling						●	$ 100,000
Utility Maintenance	Tandem Dump Truck; 3-82, 03 Sterling					●		$ 100,000
Utility Maintenance	Excavator; 4-63, 2015 314E LCR LEASE	●	●	●	●	●	●	$ 19,734
Fire Department	Ladder Truck; 3-4, 2001 Sutphen			●				$ 900,000
Fire Department	Wild Land Type 6; 3-11, 02 Ford		●					$ 110,000

Appendix G – Project Descriptions (FY 2020-2024)

WWTP Improvements

Project Location: Sheridan Wastewater Treatment Plant

Description: Upgrades at the Wastewater Treatment Plant include the following headworks improvements: a redundant rotomat unit, oxidation ditch enhancements, replacement of the raw sewage pump, and hypochlorite disinfection improvements.

Justification: The current rotomat filter becomes clogged and lacks a redundant unit to use during maintenance. The second unit would allow operation to continue while the original unit is serviced.

The oxidation ditch enhancements project will increase the nutrient removal of the system in anticipation of higher removal requirements from EPA and DEQ in the future.

The raw sewage pumps need to be replaced because the current units are obsolete, making maintenance more difficult and expensive.

The hypochlorite disinfection improvements involve researching alternative disinfection methods to address the unreliable delivery of chemicals and concentration inconsistency.

Budget Year	WWTP Improvements								
	Water Fund	Sewer Fund	Public Benefit	CAP Tax	Optional 1-Cent	SRF	MRG Grant	Existing Project Funds	Total Cost
2020									
2021									
2022									
2023									
2024						$2,420,000			$2,420,000
TOTAL						$2,420,000			$2,420,000

CITY OF Sheridan WYOMING

WWTP Raw Sewage Pump and Railing Replacement

Project Location: Sheridan Wastewater Treatment Plant

Description: This project will include the replacement of the raw sewage pump with three new 50-horsepower, explosion proof, submersible pumps. Wet pit bases, elbows, and couplings will also be included in the replacement. The railing replacement will include the replacement of six 10-foot long, stainless steel guide rails with upper brackets. A portable pumping system will be required to reroute influent from the influent channel to the oxidation ditch during the completion of the project. The electrical disconnection and reinstallation of the pump will be completed by the City, with the removal of the old pump and railings to be completed by others due to time constraints.

Justification: The aging raw sewage pump and railing has reached the end of its serviceable life and warrant replacement with modern parts and materials.

Budget Year	WWTP Raw Sewage Pump and Railing Replacement								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020									
2021									
2022		$95,000						$65,000	$160,000
2023									
2024									
TOTAL		$95,000						$65,000	$160,000

CITY OF Sheridan WYOMING

WWTP Electrical Service and Transformer Replacement

Project Location: Sheridan Wastewater Treatment Plant

Description: This project will include the replacement of the electrical service line and transformer at the Sheridan Wastewater Treatment Plant. The service line replacement will require several hundred feet of bored service line to reach the proposed transformer system.

Justification: The existing electrical service and meter is located outside the south perimeter fence of the WWTP, in the BNSF right-of-way. The service line has an old grounding that may be corroded. The existing transformer was inspected in 2018 by Montana Dakota Utilities and was determined to be in very poor condition. Montana Dakota Utilities recommended the replacement of the transformer and service line in the near future due to the age of the service line and the type and condition of the existing transformer.

Budget Year	WWTP Electrical Service and Transformer Replacement								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020									
2021									
2022		$145,000							$145,000
2023									
2024									
TOTAL		$145,000							$145,000

CITY OF Sheridan WYOMING

BGWTP - Utilidor

Project Location: Big Goose Water Treatment Plant

Description: This project connects the chemical room with the main building. Chemical lines were installed with the construction of the chemical room located by the BGWTP 500,000-gallon storage tank in the mid-1990s. Redundant empty conduits were installed to accommodate conveyance of new or additional treatment between the two buildings, if needed. Over the years, ground settlement between the two buildings has resulted in failed and unusable chemical feed lines. The once empty conduits are now fully utilized. This utilidor will allow all existing chemical feed lines to be replaced and provide for future expansion of the plant.

Justification: The settlement between the two buildings has damaged the conduit, and the usable conduits for chemical feed lines are all utilized. Without these chemical feed lines, the BGWTP would not be able to treat water for consumption. The utilidor replacement is necessary for future demands of the plant and ongoing maintenance.

Budget Year	BGWTP - Utilidor								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020								$390,000	$390,000
2021									
2022									
2023									
2024									
TOTAL								$390,000	$390,000

CITY OF Sheridan
WYOMING

BGWTP - Hypochlorite Conversion

Project Location: Big Goose Water Treatment Plant

Description: The purpose of this project is to eliminate chlorine gas feed and replace it with onsite generation of hypochlorite.

Justification: This conversion will make the chlorination system identical to the system at the Sheridan Water Treatment Plant. This change will improve plant staff safety and assist with compliance of the stringent rules associated with the use of 1-ton cylinders of gaseous chlorine. The housing exists at the BGWTP so this project is primarily a change in equipment.

Budget Year	BGWTP - Hypochlorite Conversion								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020	$200,000								$200,000
2021									
2022									
2023									
2024									
TOTAL	$200,000								$200,000

CITY OF Sheridan WYOMING

BGWTP Sludge Drying Beds

Project Location: Big Goose Water Treatment Plant

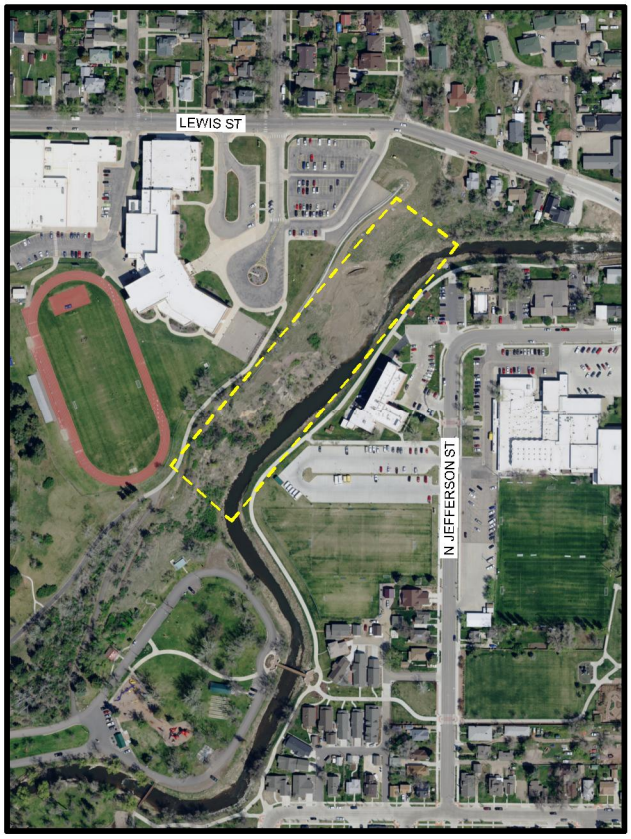
Description: This project includes building a concrete drain pad at the north end of the sludge beds to dry out the sludge so that it can be transported to the landfill.

Justification: The current method of drying sludge involves scraping sludge out of the drying beds and placing the sludge directly on the soil at the north end of the beds. Over time, the soil has been removed when moving the dried sludge into trucks for transport off-site and is slowly eroding the soil away. This project would install a concrete drainage pad at the north end of the ponds that facilitates drainage of the water contained in the sludge. The concrete would then protect the soil when moving the dried sludge into the transport trucks.

Budget Year	BGWTP Sludge Drying Beds								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020									
2021									
2022									
2023	$375,000								$375,000
2024									
TOTAL	$375,000								$375,000

CITY OF Sheridan WYOMING

Emergency Hillslide Stabilization



* Project boundary does not show sections to be addressed at Goose Creek and Ridgeway Avenue and in South Park.

Project Location: Sheridan Junior High School, Kendrick Park, Ridgeway Avenue, and South Park

Description: This project includes the remediation and reclamation of slope failures at the described locations. The hillsides in the area of Sheridan Junior High School and Kendrick Park will require extensive slope stabilization and receive a series of concrete-finished walls with drainage features to control groundwater throughout the slide areas. This section will also include a pathway to be used for maintenance of the drainage system as well as to connect Lewis Street to Kendrick Park. The Ridgeway Avenue hillslide repair will consist of a retaining wall constructed between Ridgeway Avenue and Goose Creek north of 8th Street, while gabion baskets are planned to be installed in South Park to address the slope failures in this area.

Justification: Several hill slopes along Big Goose Creek and Little Goose Creek have experienced recent, extensive slope failure, leading to significant safety concerns and further degradation of the creek banks.

Budget Year	Emergency Hillslide Stabilization								
	Water Fund	Sewer Fund	Public Benefit	CAP Tax	Optional 1-Cent	MRG Grant	SRF	Existing Project Funds	Total Cost
2020				$900,000		$350,000	$2,500,000	$5,980,664	$9,730,664
2021									
2022									
2023									
2024									
TOTAL				$900,000		$350,000	$2,500,000	$5,980,664	$9,730,664

CITY OF Sheridan WYOMING

Kendrick Park Improvements

Project Location: Kendrick Park

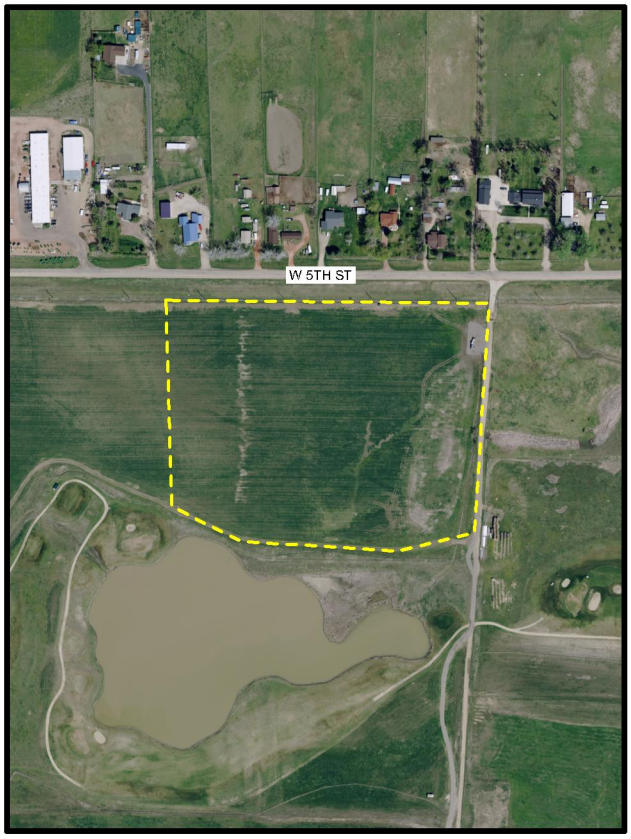
Description: This phase of the Kendrick Park improvements includes band shell rehabilitation, additional parking at the entrance, wildlife viewing/overlook, Bellevue St Park basketball courts, asphalt parking, and picnic tables. The project includes an irrigation extension and landscape additions to the arboretum and constructing a new restroom facility and ice cream stand/snack bar combo building.

Justification: Survey results from the Parks & Recreation Master Plan Update indicate a high community interest in improvements to walking and bike trails, improving parks in general and a need for additional neighborhood & community parks; this project satisfies all those criteria.

Budget Year	Kendrick Park Improvements								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020						$100,000		$58,000	$158,000
2021									
2022									
2023									
2024				$300,000					$300,000
TOTAL				$300,000		$100,000		$58,000	$458,000

CITY OF Sheridan
WYOMING

Black Tooth Park Phase II



Project Location: 2600 block of West 5th Street

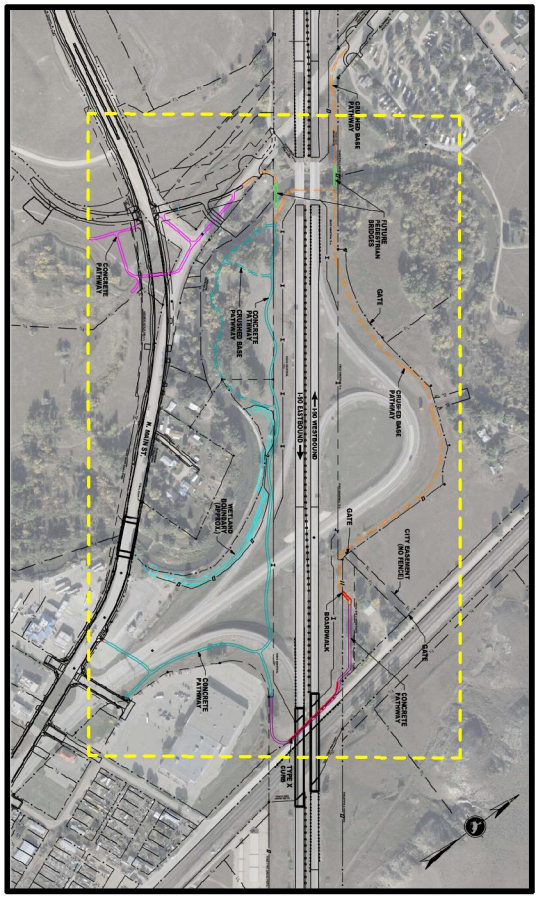
Description: This project involves developing additional green space for sports fields along with site work to improve surface drainage. In addition, significant site improvements will be constructed including additional vehicular parking, lighting, tables, benches, shelters, and restroom facilities.

Justification: Survey results from the Parks & Recreation Master Plan Update indicate a high community interest in improvements to walking and bike trails, improving parks in general and a need for additional neighborhood & community parks; this project satisfies all those criteria.

Budget Year	Black Tooth Park Phase II								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020				$100,000		$335,000		$279,000	$714,000
2021									
2022									
2023									
2024				$300,000					$300,000
TOTAL				$400,000		$335,000		$279,000	$1,014,000

CITY OF Sheridan WYOMING

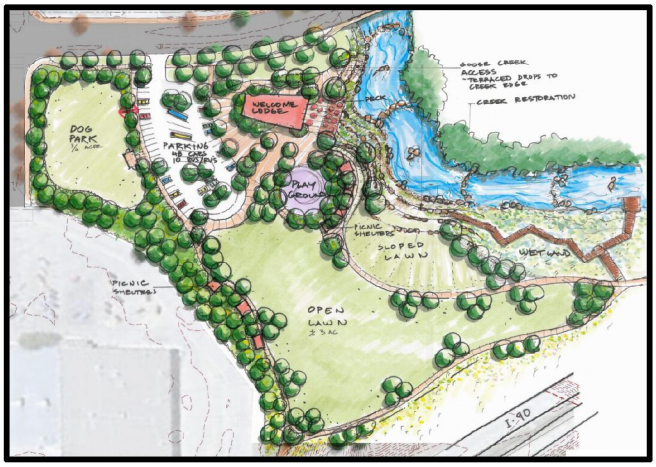
Gateway Park Phase II



Project Location: 3200 block of N Main Street

Description: This project includes constructing concrete and soft surface pathways including pedestrian bridges, benches, and picnic tables.

Justification: Survey results from the Parks & Recreation Master Plan Update indicate a high community interest in improvements to walking and bike trails, open space conservation areas, improving parks in general and a need for additional neighborhood & community parks; this project satisfies all those criteria.



Budget Year	Gateway Park Phase II								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020					$600,000	$70,000		$51,000	$721,000
2021									
2022									
2023				$479,000					$479,000
2024									
TOTAL				$479,000	$600,000	$70,000		$51,000	$1,200,000

CITY OF Sheridan WYOMING

Kendrick Park Pool

Project Location: Kendrick Park

Description: This project involves constructing a new outdoor pool or refurbishing the pool with a new liner; replacing pumps, heaters, electrical, and deck; and remodel interior locker rooms, all while preserving the historical exterior of the mechanical, snack bar, and changing room buildings.

Justification: The Kendrick Park Pool needs major upgrades or a complete replacement. Survey results from the Parks & Recreation Master Plan Update indicate a high community interest in improving parks in general, with many specific references to improvements to the Kendrick Park Pool.

Budget Year	Kendrick Park Pool								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020				$50,000		$40,000		$30,000	$120,000
2021									
2022									
2023									
2024									
TOTAL				$50,000		$40,000		$30,000	$120,000

CITY OF Sheridan
WYOMING

Army Corps 1135 Study

*This map depicts a location identified to be included in the project and does not represent the extents of the project

Project Location: Selected sections along Little Goose Creek to the confluence of Big Goose Creek and Goose Creek oxbow in Thorne-Rider Park.

Description: This project involves ecosystem and stream restoration within six riparian areas on Little Goose Creek, Big Goose Creek, and Goose Creek. This will entail placement of rock habitat structures in the creeks, modification to the drop structure on Big Goose Creek, and excavation, grading, and seeding in the riparian areas with added recreation features. The City is responsible for 25% of the cost of this project.

Justification: Flood levee construction has compromised the ecosystem and overall health of the stream systems within the community. The project will restore the health of the river system in support of biodiversity and recreation while preserving flood management.

Budget Year	Army Corps 1135 Study								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020						$200,000		$403,000	$603,000
2021									
2022									
2023									
2024									
TOTAL						$200,000		$403,000	$603,000

CITY OF Sheridan
WYOMING

Thorne-Rider Park - Pickleball Courts

Project Location: West of the current tennis courts in Thorne-Rider Park

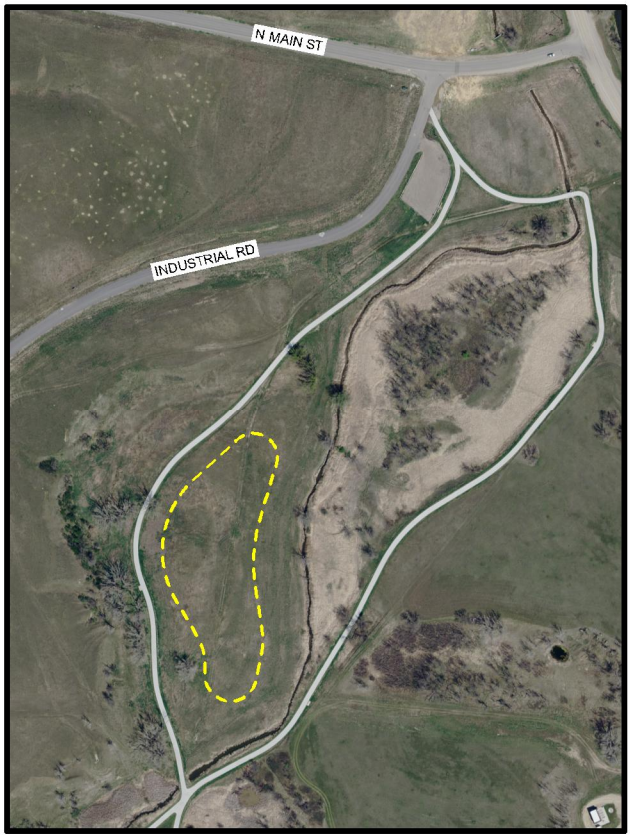
Description: This project will construct two (2) to four (4) new pickleball courts adjacent to the current tennis courts in Thorne-Rider Park.

Justification: Survey results from the Parks & Recreation Master Plan Update indicate a high community interest in pickleball courts.

Budget Year	Thorne-Rider Park - Pickleball Courts								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020						$50,000		$43,000	$93,000
2021				$57,000					$57,000
2022									
2023									
2024									
TOTAL				$57,000		$50,000		$43,000	$150,000

CITY OF Sheridan
WYOMING

North Park Habitat Enhancements



Project Location: North Park

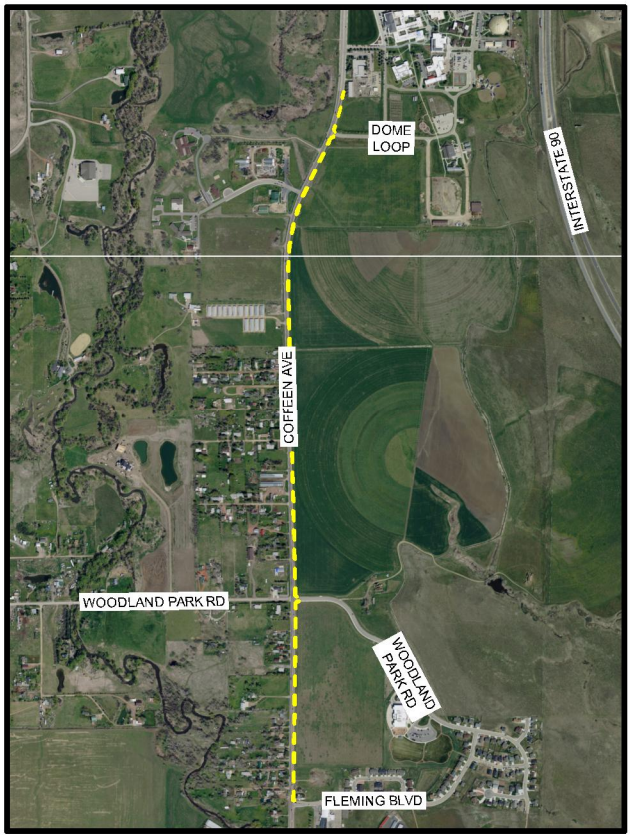
Description: This is a cooperative project with the City of Sheridan and Wyoming Game and Fish Department to construct a fishing and recreational pond in North Park while providing wetland habitat for other species.

Justification: As early as 2012, the need for a new recreational pond was identified by the community. This pond would meet those needs and create wetland habitat critical to migratory bird use, fisheries, invertebrate species, and other species dependent on wetlands. The creation of wildlife habitat will complement the theme of North Park as being a natural area that is easily accessible by residents of Sheridan.

Budget Year	North Park Habitat Enhancements									
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	General Fund	NRCS Grant	Total Cost
2020										
2021				$200,000	$315,000				$100,000	$615,000
2022										
2023										
2024										
TOTAL				$200,000	$315,000				$100,000	$615,000

CITY OF Sheridan WYOMING

Adams Ranch to Coffeen Avenue Widening Pathway



Project Location: East side of Coffeen Avenue from Dome Loop to Fleming Boulevard.

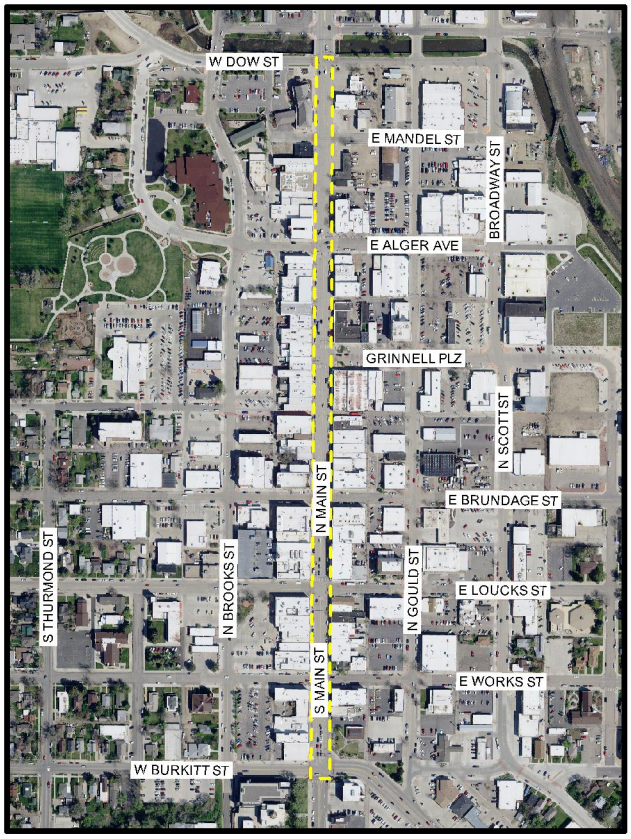
Description: This project connects Dome Loop to Fleming Boulevard with a 10-foot wide concrete pathway along the east side of Coffeen Avenue.

Justification: Connecting Fleming Boulevard to the existing pathway infrastructure at Dome Loop will allow safer pedestrian traffic from Woodland Park Elementary School and various subdivisions on the east and west side of Coffeen Avenue. The pathway and sidewalk infrastructure north of Dome Loop, through the Sheridan College Campus, and proceeding north on the east side of Coffeen Avenue is in functioning condition. This pathway project will connect the pedestrian traffic to the City through the southern entrance along Coffeen Avenue.

Budget Year	Adams Ranch to Coffeen Avenue Widening Pathway									
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	General Fund	Potential Tap Grant	Total Cost
2020										
2021				$55,000						$55,000
2022				$200,000		$150,000				$350,000
2023									$250,000	$250,000
2024										
TOTAL				$255,000		$150,000			$250,000	$655,000

CITY OF Sheridan
WYOMING

Main Street Reconstruction



Project Location: Main Street from Dow Street to Burkitt Street

Description: This project is a partnership between the City of Sheridan and WYDOT, whose responsibility will be replacement of the street surfacing. The City's portion will include the replacement of aging utilities (water, sewer, and storm) throughout the project.

Justification: The aging utilities beneath Main Street have reached the end of their serviceable life and warrant replacement with modern materials. Replacing the utilities in conjunction with the roadway reconstruction will provide a significant cost reduction while also minimizing the economic burden of downtown businesses while Main Street is under construction.

Budget Year	Main Street Reconstruction								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	General Fund	Total Cost
2020									
2021									
2022				$150,000	$1,000,000	$75,000	$1,775,000		$3,000,000
2023				$150,000		$250,000			$400,000
2024									
TOTAL				$300,000	$1,000,000	$325,000	$1,775,000		$3,400,000

CITY OF Sheridan WYOMING

South Downtown Improvements

Project Location:

- Whitney Street from Thurmond Street to Main Street
- Perkins Street from Tschirgi Street to Main Street
- Kilbourne Street from Thurmond Street to Main Street
- College Avenue from Thurmond Street to Main Street
- Tschirgi Street from College Avenue to Whitney Street
- Brooks Street from College Avenue to Burkitt Street

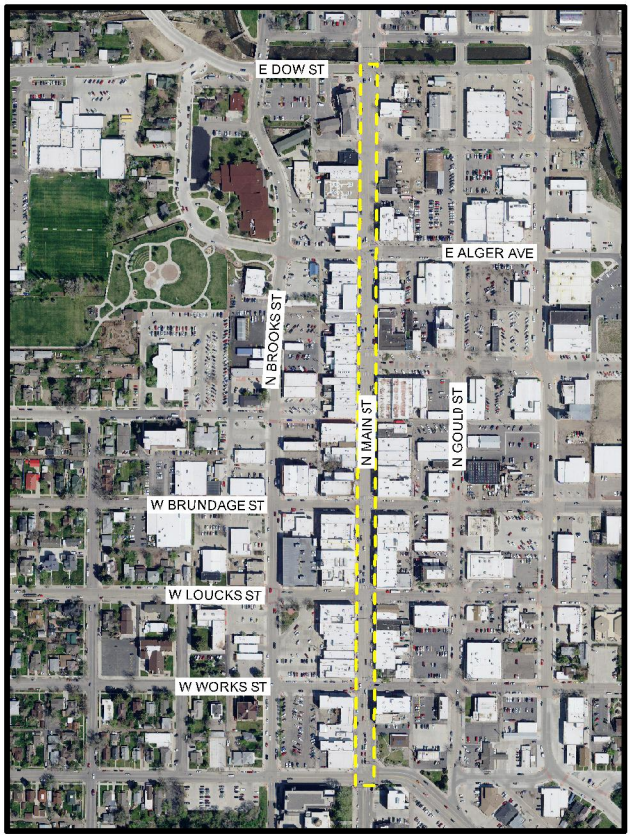
Description: The project includes replacing aging utilities (water, sewer, and storm) and street reconstruction, including widening of streets and sidewalks, and removal of trees at or near the end of their life cycle.

Justification: Utilities and surfacing in these locations are aging and showing signs of degradation and corrosion. The replacement of the utilities with modern pipe materials will decrease the resources needed for utility maintenance. The street surfacing is nearing the end of its serviceable life and requires reconstruction along with the utilities.

Budget Year	South Downtown Improvements								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	General Fund	Total Cost
2020									
2021					$610,000				$610,000
2022	$350,000	$50,000			$1,435,000				$1,835,000
2023		$300,000		$50,000	$755,000		$400,000		$1,505,000
2024	$200,000	$150,000			$1,250,000				$1,600,000
TOTAL	$550,000	$500,000		$50,000	$4,050,000		$400,000		$5,550,000

CITY OF Sheridan
WYOMING

Main Street Lane Configuration Test



Project Location: Main Street between Dow Street and Burkitt Street

Description: This project includes the temporary repainting of parking and lane markings along Main Street to test the viability for potential long-term parking and vehicle mobility improvements.

Justification: Analyzing options to modify the parking and lane configurations of Main Street may improve the functionality of downtown Main Street while maintaining a safe corridor for pedestrians and vehicles.

Budget Year	Main Street Lane Configuration Test								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020						$75,000			$75,000
2021									
2022									
2023									
2024									
TOTAL						$75,000			$75,000

CITY OF Sheridan WYOMING

East 5th Street Corridor

Project Location: East 5th Street between Broadway Street and the I-90 Interchange

Description: This project includes enhancements to the East 5th Street Corridor. The enhancements will include sections with raised medians and improved lighting. Other upgrades within the project's scope include the replacement and installation of sidewalk and landscaping along both sides of 5th Street. Improvements such as an information kiosk, a bike rental center, and options for a new entrance sign will also be within the project scope. Additionally, train warning signs indicating a train crossing at 5th Street will be installed at strategic locations to limit traffic congestion on 5th Street while the railroad crossing is in use.

Justification: The project serves as an entry corridor to the City and the downtown district. These improvements will enhance the area for citizens and tourists entering from I-90. Street lighting and sidewalk and bike lane improvements along the corridor will improve safety for cyclists and pedestrians along the corridor. The installation of train warning signage is expected to reduce traffic impacts from train crossings.

Budget Year	East 5th Street Corridor								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020					$650,000	$225,000		$190,000	$1,065,000
2021					$1,135,000				$1,135,000
2022									
2023									
2024									
TOTAL					$1,785,000	$225,000		$190,000	$2,200,000

CITY OF Sheridan WYOMING

Downtown Parking Development

Project Location: Downtown Sheridan between Gould Street and Scott Street

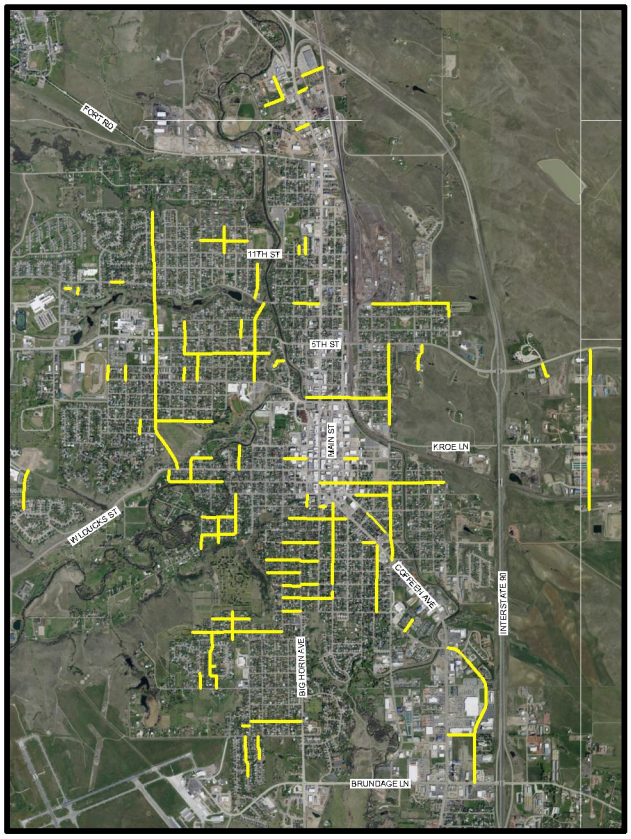
Description: This project involves repurposing the old C&C Tire building property into public parking in addition to identifying additional locations for public parking in the downtown.

Justification: There is a historic and continuing need to provide additional public parking in the downtown area due to limited parking availability on Main Street.

Budget Year	Downtown Parking Development								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020						$200,000			$200,000
2021						$310,523		$13,953	$324,476
2022						$310,524			$310,524
2023									
2024									
TOTAL						$821,047		$13,953	$835,000

CITY OF Sheridan
WYOMING

Street Rotomill & Overlay



* This map depicts locations the city has identified to be included in the on-going street rotomill and overlay program but is a living map that can be changed at any time.

Project Location: Various locations throughout the City

Description: Street rotomill and overlay projects will be determined based on budget and need. A surfacing maintenance treatment is applied to the roadway to extend their service life. Fire hydrants in need of replacement will be included in the rotomill & overlay. Below are some of the streets included in the rotomill & overlay program.

- East Ridge Road from 5th Street to the Landfill
- Cross streets between Thurmond Street and S. Main Street including College Avenue, Heald Street, Burrows Street, Nebraska Street, and Colorado Street
- Sherman Avenue, Harrison Street, Monte Vista Street, and Johnson Lane
- Highland Avenue between Loucks Street and Woodworth Street
- Birch Street, Ash Street, Huntington Street, and Meridian Street blocks

Justification: This is an ongoing maintenance project to extend the service life of streets throughout the City.

Budget Year	Street Rotomill & Overlay								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020	$50,000			$200,000		$450,000		$324,000	$1,024,000
2021	$50,000			$200,000		$650,000			$900,000
2022	$50,000			$200,000		$600,000			$850,000
2023	$50,000			$200,000		$900,000			$1,150,000
2024	$50,000			$200,000		$900,000			$1,150,000
TOTAL	$250,000			$1,000,000		$3,500,000		$324,000	$5,074,000

CITY OF Sheridan WYOMING

Bridge Repair at Brooks & Val Vista Street, Water & Works Street

Project Location: Brooks & Val Vista Street between Dow Street and 1st Street and Works Street adjacent to Water Street

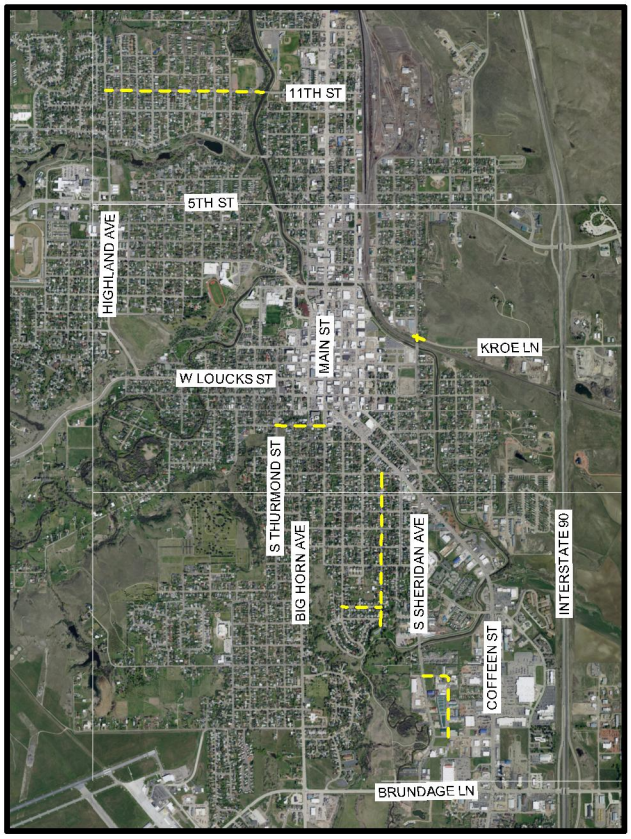
Description: This project will include rehabilitating the bridge decks at these locations.

Justification: The bridge decks need rehabilitation to meet structural and ride quality requirements.

Budget Year	Bridge Repair at Brooks & Val Vista Street, Water & Works Street								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020									
2021					$60,000				$60,000
2022						$100,000			$100,000
2023					$250,000				$250,000
2024									
TOTAL					$310,000	$100,000			$410,000

CITY OF Sheridan WYOMING

Storm Drainage Master Plan & Improvements



Project Location: Various locations throughout the City

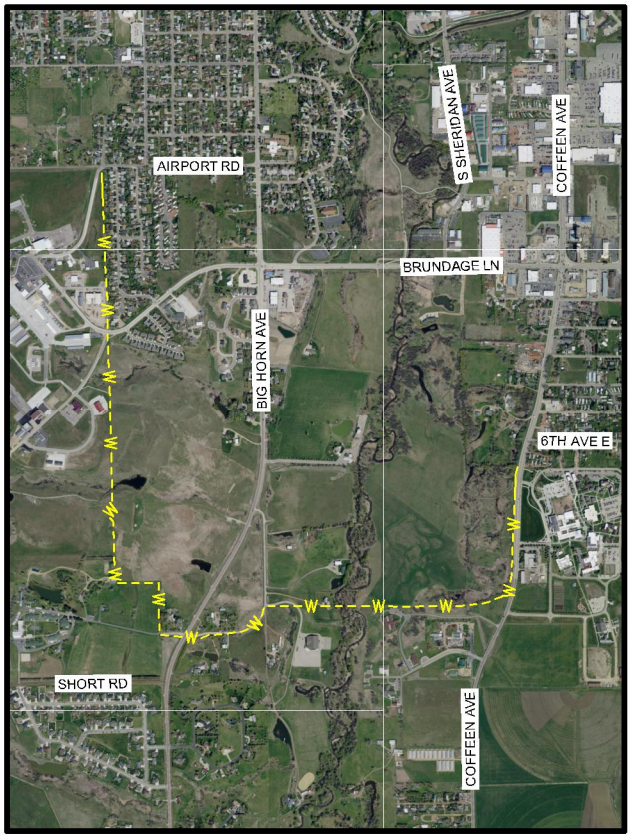
Description: This project evaluates the City's storm drainage network, identifying deficiencies and creating a Master Plan to address those deficiencies and plan improvements to the storm drainage conveyance system. This project will assess storm drainage throughout the City and plan for future construction to efficiently replace or install adequate storm drainage to improve the storm drainage system. Current locations with identified storm drainage improvements include the intersection of Kroe Lane and Sheridan Avenue, Whitney Street, 11th Street, and Water Street.

Justification: Several locations throughout the City have poor drainage that causes safety hazards during storm events. Additionally, aging storm drainage infrastructure requires rehabilitation and replacement. The CIP survey results identified several areas of storm drainage concerns.

Budget Year	Storm Drainage Master Plan & Improvements								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020						$45,000		$50,000	$95,000
2021									
2022									
2023									
2024									
TOTAL						$45,000		$50,000	$95,000

CITY OF Sheridan
WYOMING

Airport Transmission Main



Project Location: Airport Road south to the Wyoming Girl School and east toward Sheridan College

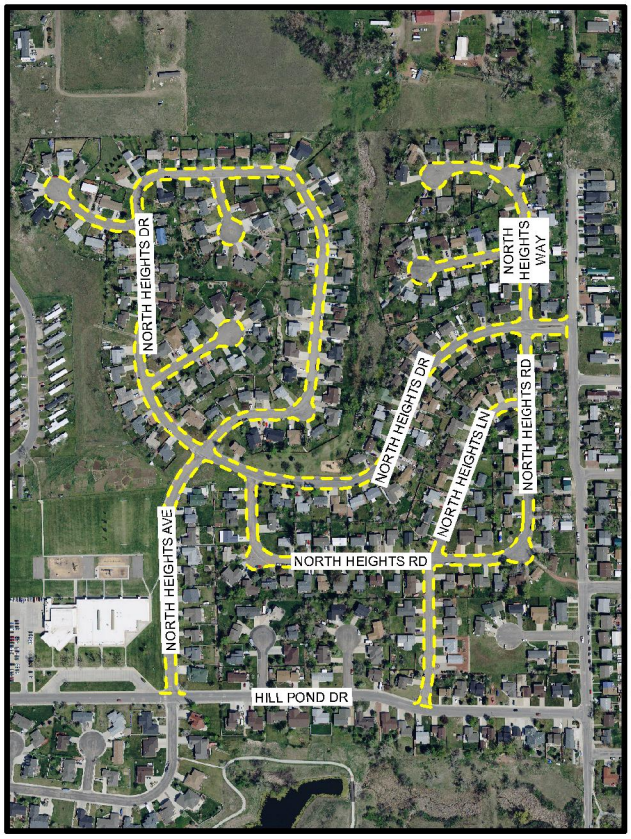
Description: The existing DIP water transmission main is in poor condition and in need of replacement. The transmission main supplies water to major locations including the Airport Complex, Airport Industrial Park, Wyoming Girls School, Sheridan College, the entire Little Goose and Big Horn service area, as well as others. Since this line is a major water supplier, the new line will be constructed offset from the existing main to maintain service to a large service area.

Justification: The water transmission main has reached the end of its serviceable life and is susceptible to increased maintenance costs due to corrosion and degradation. This is a critical main for both the City and SAWS service areas and has experienced recent failures.

Budget Year	Airport Transmission Main								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	General Fund	Total Cost
2020									
2021			$1,340,025				$1,350,000		$2,690,025
2022			$1,340,025						$1,340,025
2023									
2024									
TOTAL			$2,680,050				$1,350,000		$4,030,050

CITY OF Sheridan
WYOMING

North Heights Water Main Replacement



Project Location: North Heights Subdivision

- North Heights Circle
- North Heights Terrace
- North Heights Place
- North Heights Drive
- North Heights Avenue
- North Heights Lane
- North Heights Road
- North Heights Court
- North Heights Way

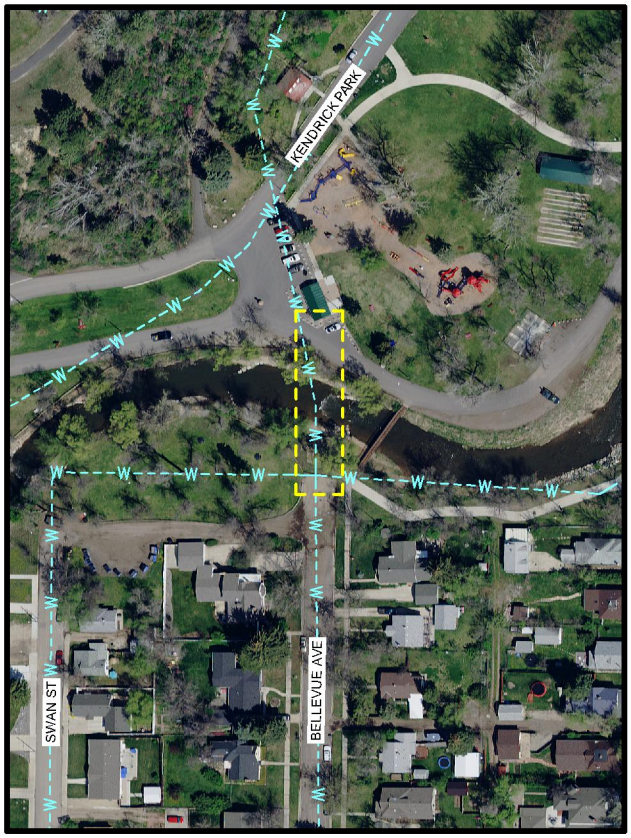
Description: This project involves replacing the existing DIP water mains with PVC and resurfacing the associated streets.

Justification: The existing DIP water mains in this area are susceptible to corrosion and have experienced significant breaks evidenced by four water main breaks recorded in 2017 within the North Heights area. A full replacement of the aging water lines will reduce the resources spent on future breaks that are expected within the remainder of the aging water mains. In addition, the corresponding streets are reaching the end of their service life and their reconstruction will coincide nicely with the water main replacement.

Budget Year	North Heights Water Main Replacement								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020									
2021									
2022									
2023					$1,255,000		$1,730,000		$2,985,000
2024	$350,000				$1,850,000		$1,000,000		$3,200,000
TOTAL	$350,000				$3,105,000		$2,730,000		$6,185,000

CITY OF Sheridan WYOMING

Sewer and Water Creek Crossings



* This map shows one possible creek crossing location and does not represent the extents of the project.

Project Location: Various locations throughout the City

Description: There are several aging and degrading water and sewer mains along creek crossings that need replacement as provided below.

Water Crossings

- East Works Street
- East Heald Street between Wyoming Avenue and South Carlin Street
- Bellevue Avenue to Kendrick Park
- 8th Street between Adair Avenue and Marion Street
- Between Val Vista Street and Marion Street across West 3rd Street

Sewer Crossings

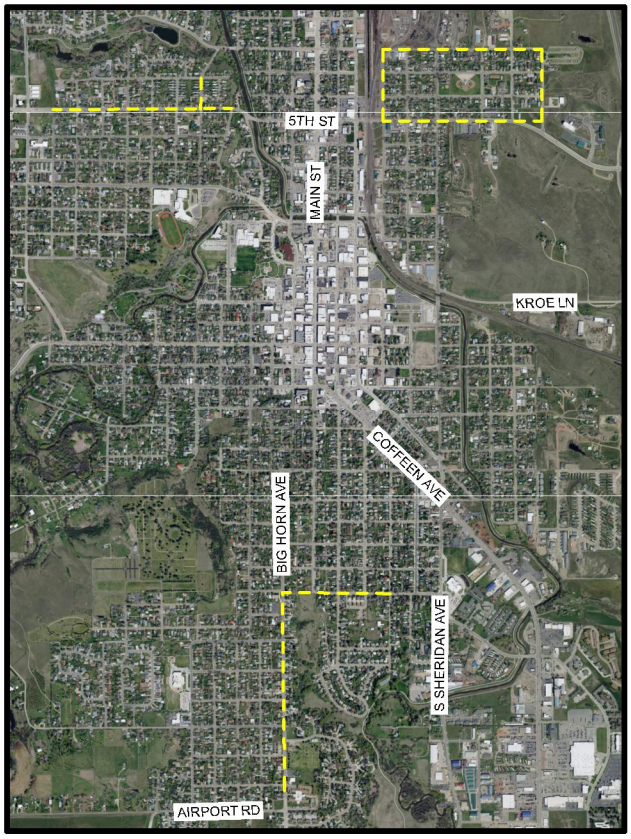
- 5th Street and Marion Street
- Leopard Street adjacent to West View Drive
- Two siphons along West Dow Street to West 1st Street between Val Vista Street and North Main Street

Justification: The aging pipes are susceptible to breaks and infiltration and are approaching the end of their serviceable life. The existing water and sewer mains are ductile iron, cast iron, or vitrified clay pipe that should be replaced with modern pipe materials to minimize the future resources that will be expended on maintenance of these utilities.

Budget Year	Sewer and Water Creek Crossings								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020	$150,000	$150,000						$234,000	$534,000
2021									
2022									
2023	$150,000								$150,000
2024									
TOTAL	$300,000	$150,000						$234,000	$684,000

CITY OF Sheridan WYOMING

Sewer Lining Project



* This map shows a few possible project locations and does not represent the extents of the project.

Project Location: Various locations throughout the City

Description: There are aging and degraded vitrified clay sewer mains at various locations throughout the City in need of replacement.

- Big Horn Avenue from Arapahoe Street to Montana Street
- Montana Street from Big Horn Avenue to Emerson Street
- 5th Street from Greystone Avenue to Arlington Boulevard and Adair Avenue from 5th Street to Dunnuck Street
- SID 75 area from Crook Street to Joe Street between 5th Street and 8th Street

Justification: Aging sewer mains at several locations are approaching the end of their serviceable life and allow infiltration to the sanitary sewer system. This infiltration unnecessarily increases the volume of influent being treated at the Wastewater Treatment Plant. Other areas have failing joints, root damage, and increased maintenance due to the poor condition of the sewer mains that would be prevented with slip lining or other techniques.

Budget Year	Sewer Lining Project								
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Existing Project Funds	Total Cost
2020		$400,000							$400,000
2021									
2022									
2023									
2024									
TOTAL		$400,000							$400,000

CITY OF Sheridan
WYOMING

Landfill Cell 10 Phase I

Project Location: Sheridan Landfill

Description: This project includes completing an 80% design, including hydrologic investigations, and obtaining a Lifetime Permit through the Wyoming Department of Environmental Quality (WDEQ) prior to completing the design of Cell 10. This project includes the final design and construction of Cell 10 for use at the Sheridan Landfill.

Justification: A new disposal cell is required due to the closure of Cell 9 estimated to occur in 2025. The Lifetime Permit is a 25-year permit required by the WDEQ that requires an 80% design to be submitted with the permit application.

Budget Year	Landfill Cell 10 Phase I									
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Solid Waste Fund	Existing Project Funds	Total Cost
2020								$175,000		$175,000
2021										
2022										
2023								$95,000		$95,000
2024								$95,000		$95,000
TOTAL								$365,000		$365,000

CITY OF Sheridan WYOMING

Landfill T7 and T8 Final Cover

Project Location: Sheridan Landfill

Description: This project includes the installation of a geosynthetic cover underlying two feet of vegetative cover over T7 and T8 at the Sheridan Landfill. Also included in this projects is design, permitting, erosion and sediment controls, drilling of passive gas wells, revegetation, and construction quality assurance and quality control (QAQC) during construction.

Justification: The final closure of T7 and T8 is required by WDEQ.

Budget Year	Landfill T7 and T8 Final Cover									
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Solid Waste Fund	Existing Project Funds	Total Cost
2020							$3,400,000			$3,400,000
2021										
2022										
2023										
2024										
TOTAL							$3,400,000			$3,400,000

CITY OF Sheridan WYOMING

Landfill Remediation - Old Sheridan Landfill and T1 - T6

Project Location: Sheridan Landfill

Description: This project consists of leachate monitoring and remediation at the municipal landfill and remediation of groundwater impacts from the Sheridan Landfill. The project includes sampling and monitoring of groundwater and landfill gases and subsequent reporting to the Wyoming Department of Environmental Equality (WDEQ). The extents of design and construction implementation will be determined by the Nature and Extent Study and Assessment of Corrective Measure report being led by WDEQ.

Justification: These are mandatory services required by WDEQ to maintain regulatory compliance.

Budget Year	Landfill Remediation - Old Sheridan Landfill and T1 - T6									
	Water Fund	Sewer Fund	WWDC	Public Benefit	CAP Tax	Optional 1-Cent	SRF	Solid Waste Fund	Existing Project Funds	Total Cost
2020							$115,000	$125,000		$240,000
2021							$785,000			$785,000
2022										
2023										
2024										
TOTAL							$900,000	$125,000		$1,025,000

CITY OF Sheridan WYOMING

Appendix H – Project Descriptions (FY 2025-2029)

Project Title: BGWTP and SWTP - Replace Flocculators

Project Location: Sheridan and Big Goose Water Treatment Plants

Description: This project consists of replacing the existing flocculators with new units at both water treatment plants.

Justification: The flocculators are 20+ years old and in need of replacement.

Project Title: BGWTP and SWTP - Baffle Improvements

Project Location: Sheridan and Big Goose Water Treatment Plants

Description: This project will remove sections of the existing baffle walls and incorporate new baffle designs at both SWTP and BGWTP.

Justification: The baffle improvements will increase efficiencies within the flocculators by providing a more uniform flow with less short circuiting and dead zones, allowing better flocculation and settlement prior to filtration. BGWTP and the smaller flocculation basins at SWTP are not suited for lower flow volumes, causing mixing inefficiencies when operating at low flows.

Project Title: BGWTP - Clearwell Overflow Pipe

Project Location: Big Goose Water Treatment Plant

Description: The project consists of replacing the 18-inch overflow pipe at the clearwell due to improper installation methods.

Justification: The clearwell overflow pipe was installed incorrectly resulting in leaking joints and poor drainage characteristics. The leaking pipe is causing settlement issues around the pipe, and the inconsistent slope reduces the conveyance efficiency of the system.

Project Title: Intake – Pre-sedimentation Rehabilitation

Project Location: Big Goose Creek Intake

Description: This project includes rehabilitating the original 1908 settling basin and replacing the associated valves and piping.

Justification: The 1908 settling basin is connected to the original intake on Big Goose Creek just upstream from the intake that is currently used by the water treatment plants.

Once the 1908 settling basin is rehabilitated, it can be used as a redundant intake when the current intake needs to be shut down for maintenance.

Project Title: Park's New Office/Shop

Project Location: Kendrick Park on Beaver Street across from the Kendrick Pool

Description: This project includes the construction of a new two-story office/shop for the park's maintenance crews and equipment storage.

Justification: Parks department needs a larger office/shop in a central location.

Project Title: Elk Pasture Barn/Historical Museum Rehabilitation

Project Location: Elk Pasture at Kendrick Park

Description: This project involves the repair and rehabilitation of the elk pasture barn to be used for a historical museum.

Justification: This barn is historical and would contribute to the community as a museum.

Project Title: Sheridan/Coffeen/Wyoming Avenues – Green Space

Project Location: Sheridan/Coffeen/Wyoming Ave

Description: This project consists of new landscaping in the green space at this intersection.

Justification: According to the results of the 2019 statistically valid public involvement survey of the Parks & Recreation Master Plan, results showed the following four areas of the highest priority from citizens input are: walking and bike trails, neighborhood & community parks, open space conservation areas/trails, and outdoor swimming pools. Landscaping improvements around this intersection will increase the aesthetics of the intersection.

Project Title: Oatts Fields Complex (6th Street)

Project Location: 6th Street between North Sheridan Avenue and Saberton Avenue

Description: This project consists of rehabilitation of all three baseball infields, reconstruction of the pitching mounds for the intermediate and minor league fields,

additional backdrop fencing, replace existing and install an additional batting cage, rehabilitation of the irrigation system, and upgrades to the snack shop/storage building.

Justification: According to the results of the 2019 statistically valid public involvement survey of the Parks & Recreation Master Plan, the Oatts Fields Complex (6th Street) was ranked one of the lowest condition of all City parks with 14% of all respondents giving it a "poor" or "very poor" condition.

Project Title: Cemetery Upgrades

Project Location: Sheridan Municipal Cemetery

Description: The upgrades at the cemetery include a new pathway and landscaping in Juniper Heights terminating at the historic columns with an outdoor structure and niche walls. The roadway surrounding Juniper Heights will be paved with asphalt pavement. Additionally, lanes within the cemetery need new asphalt pavement or rotomill and overlay, depending on condition. The aging irrigation system within the cemetery needs upgrades and rehabilitation including a new irrigation management platform system.

Justification: The City cemetery contains aging irrigation infrastructure that is prone to breaks, causing a large burden for repairs. The rehabilitation of the irrigation lines and an improved management system will greatly reduce maintenance of the system. Additionally, the niche walls will accommodate the observed increase in cremated burials. The asphalt pavement improvements will eliminate the deep erosion and rutting that occurs in wet conditions within driving surfaces on the property, while the rotomill and overlay of existing asphalt sections will increase the service life of those areas.

Project Title: Kendrick Park to Cemetery Pathway

Project Location: From Kendrick Park south along Bellevue Avenue, Griffith Avenue, Sherman Avenue, Harrison Street and heading south across Johnson Lane before proceeding up the hill on the north end of Sheridan Municipal Cemetery.

Description: This project connects Kendrick Park to the cemetery via sidewalk and a pathway following the streets identified above. The pathway will include the addition of sidewalk along streets with no pedestrian access, replacement of pathways or sidewalk in poor condition, and creating a soft surfacing pathway to traverse up the hill along the north side of the cemetery.

Justification: The continued expansion of the City's pathway system is expressed as an important goal of Sheridan citizens. This pathway would connect a popular park with surrounding pathways to the cemetery and additional public parks and pedestrian access within the southwest section of Sheridan.

Project Title: WWTP to Main Street via Old RR Pathway

Project Location: North side of Fort Road from the existing pathway on the East side of Goose Creek to North Main Street

Description: This project includes the constructing a connecting pathway from the East side of Goose Creek to North Main Street. Landscaping and lighting improvements will also be installed.

Justification: This pathway project will connect businesses and residents from the existing pathway network that exists along Goose Creek and the north section of Sheridan to Main Street. Main Street has existing pedestrian traffic infrastructure that would allow pedestrians to efficiently access businesses along North Main Street.

Project Title: Emerson Street Reconstruction

Project Location: Emerson Street from College Avenue to Sheltered Acres

Description: This project includes replacement of the 4-inch CIP, 8-inch DIP, and 8-inch CIP water mains and 8-inch, 12-inch, and 21-inch VC sanitary sewer main beneath the street and new asphalt pavement resurfacing. A storm drainage conveyance system will also be installed.

Justification: The project area contains soils that are classified as extremely corrosive, causing accelerated degradation of the existing buried infrastructure. The replacement of these degraded utilities will decrease the maintenance and repairs in the future. Installation of a storm water conveyance system will improve storm water flows, decrease street maintenance, reduce safety hazards, and better control ice buildup in the winter. The street surfacing is also in poor condition with several soft spots, ruts, cracking, and differential settlement around manholes.

Project Title: 5th Street to Lewis Street Reconstruction

Project Location: The project consists of the following streets between 5th Street and Lewis Street:

- Delphi Avenue
- Clarendon Avenue
- Bellevue Avenue
- Adair Avenue
- Exeter Avenue

- Florence Avenue
- Greystone Avenue

Description: This project includes replacing the 4-inch and 6-inch CIP water main and 8-inch VC sanitary sewer main. The street surfacing will also be replaced.

Justification: The location of the project contains soils that are classified and corrosive to very corrosive, causing an accelerated degradation of the underground utilities. The age of the existing utilities and the pipe materials warrant replacement to minimize the cost of repairs and maintenance of the future. This project will include replacement of the street surfacing due to the poor condition of the asphalt pavement along the mentioned streets.

Project Title: Sheridan Avenue Reconstruction

Project Location: Sheridan Avenue from Coffeen Avenue to 5th Street

Description: This project consists of full reconstruction of Sheridan Avenue from Works Street to B Street and the remainder of Sheridan Avenue from Coffeen Avenue to 5th Street will be added to the rotomill and overlay program.

Justification: The water main beneath Sheridan Ave is all PVC except from Works Street to B Street, which is CIP and needs to be updated. The surfacing in this area contains several potholes that were mentioned in the CIP survey should be addressed. The remainder of Sheridan Avenue from Coffeen Avenue to Works Street and B Street to 5th Street was mentioned in the CIP survey to have potholes and poor drivability, which will be addressed by adding these areas of Sheridan Avenue to the rotomill and overlay program.

Project Title: Lewis Street Reconstruction

Project Location: Lewis Street from Highland Avenue to Arlington Boulevard

Description: This project includes replacement of the 6-inch CIP water main and 8-inch and 10-inch VC sanitary sewer main. Resurfacing of the street will be performed with the utility replacements.

Justification: This section of Lewis Street contains poor double gutters, surface potholes, and has a poor ride qualify through degraded intersections. There were also several mentions of the poor condition of Lewis Street in the CIP survey. The soils at this location are classified as corrosive to very corrosive causing accelerated degradation of the water main and sanitary sewer main. The replacement of these utilities will mitigate future utility maintenance burdens at this location.

Project Title: South Thurmond Street Reconstruction

Project Location: Thurmond Street from Nebraska Street to Burkitt Street

Description: This project includes replacing the 6-inch CIP and DIP water main, 8-inch VC sanitary sewer main, and clay storm sewer. The intersection of Burkitt Street and Thurmond Street will be reconstructed, and the street surfacing will be replaced.

Justification: This section of Thurmond Street includes soils that are classified as corrosive to extremely corrosive, causing an accelerated degradation of the underground pipes. The storm sewer, sanitary sewer, and water main pipes should be replaced to decrease maintenance and repairs. The street section is very narrow and does not meet its functional classification. Removal of large, aging trees approaching their life expectancy should also be considered. The street surface is in poor condition and the intersection of Thurmond Street and Burkitt Street is in disrepair, warranting a total reconstruction.

Project Title: East Downtown Improvements

Project Locations:

- East Works Street from Main Street to North Scott Street
- East Loucks Street from Main Street to North Scott Street
- East Brundage Street from Main Street to North Scott Street
- Grinnell Plaza from Main Street to North Gould Street
- Alger Street from Main Street to Broadway Street
- Mandel Street from Main Street to Broadway Street
- East Dow Street from Main Street to Broadway Street
- North Gould Street from Coffeen Avenue to East Dow Street

Description: This project consists of replacing CIP/DIP water mains as well as VC sewer mains. In addition, the affected streets will be repaved to replace deteriorating asphalt and concrete surfacing. The streets that do not have water and sewer mains to replace will receive rotomill and overlay. Minimal amounts of sidewalk and curb and gutter will also be replaced.

Justification: The existing water infrastructure is obsolete and requires excessive maintenance. Since the corresponding streets are also in disrepair, it is more cost effective to replace the surfacing alongside the utility upgrades.

Project Title: Terra Avenue Storm Drainage

Project Location: Terra Avenue

Description: This project includes adding storm water conveyance connecting to the existing inlets at the intersection of Terra Avenue and Turner Lane. The intersection of Terra Avenue and Riverside Street will be reconstructed, and Terra Avenue will be resurfaced from Riverside Street to Turner Lane.

Justification: Only two storm water inlets collect all surface drainage along Terra Avenue (a distance of 1,250 feet) and run-off is not conveyed quickly enough into the storm system, resulting in flooding during large storm events and significant ice buildup in the winter. The intersection of Terra Avenue and Riverside Street has several potholes and a steep, abrupt double gutter in poor condition. The numerous asphalt patches along Terra Avenue, along with the storm drainage system installation justifies complete street resurfacing.

Project Title: 5th Street Traffic Upgrades

Project Location: 5th Street and Highland Avenue

Description: This project consists of creating a left-hand turn lane on 5th Street at Highland Avenue as well as upgrading the signals.

Justification: The goal of this project is to reduce traffic accidents and improve flow through the intersection.

Project Title: 5th Street and Long Drive Roundabout

Project Location: 5th Street and Long Drive

Description: This project consists of constructing a roundabout at 5th Street and Long Drive to help with traffic issues at this intersection.

Justification: This intersection is the primary entrance/exit into the high school and experiences abnormally high traffic numbers during peak school hours. A roundabout is necessary to reduce congestion at this intersection.

Project Title: Big Horn Avenue and Brundage Lane Roundabout

Project Location: Big Horn Avenue and Brundage Lane

Description: This project consists of constructing a roundabout at Big Horn Avenue and Brundage Lane to improve traffic flow at this intersection.

Justification: This intersection is along the gateway from Interstate 90 to the airport. During peak traffic hours it is often difficult to cross or turn onto Big Horn Avenue from Brundage Lane. The City, in conjunction with WYDOT, will construct a roundabout to reduce congestion and improve traffic flow at this intersection.

Project Title: City Service Center Parking Enhancements

Project Location: City Service Center

Description: This project consists of paving the unpaved sections of the parking lot and building covered parking for equipment.

Justification: The covered parking for equipment will allow shelter from weather. The improvement to the pavement sections of the parking lot will provide a surface with easier maintenance than the currently unpaved sections.

Project Title: GIS for Storm Sewers City-Wide

Project Location: Various locations throughout the City

Description: This project consists of utilizing a GPS system to survey the components of the storm sewer system throughout the City and mapping them on the City's GIS.

Justification: The City's GIS database is lacking accurate location data for storm infrastructure. By cataloging the entire storm sewer infrastructure, the City will be able to track, analyze and plan for drainage solutions, allowing for better maintenance of the system.

Project Title: 20in Raw Water Transmission Main Rehabilitation

Project Location: Big Goose Creek Intake to Sheridan Water Treatment Plant

Description: This project consists of rehabilitating the existing 20-inch raw water transmission main due to its poor condition from soil corrosion over its life span. Pipe bursting with HDPE pipe is one method that has been considered and was in developing the cost estimate. Other options need to be evaluated if this project is to be completed.

Justification: Currently, only one pipeline conveys raw water to the SWTP. Either rehabilitation of the existing transmission main or installation of a second main is required to eliminate significant down time from a break in the current main.

Project Title: 4MG Tank Metering Upgrades

Project Location: SWTP

Description: This project involves the replacement of the meters leaving the 4MG tank at the SWTP.

Justification: This project addresses the issue of inaccurate metering of low flows leaving the 4MG tank at the SWTP. The existing two 24-inch meters do not accurately measure low flows and there are discrepancies with the influent meters that should be resolved. These meters are oversized, but they were installed in the pipes that carry the water leaving this tank. Since this is the largest tank on the system and contributes the most water to the system, accurate flow readings in this location are essential.

Project Title: Terra, Riverside, South Sheridan Avenues Water Main

Project Location: The project is located at South Sheridan Avenue from Riverside Street to East Brundage Lane, all of Turner Lane, all of Terra Avenue, and all of Riverside Street.

Description: This project includes replacement of the aged water main along the mentioned streets, resurfacing of the asphalt pavement for the length of the water main replacement, and replacing all asphalt surfacing on Riverside Street.

Justification: A heat map depicting water main breaks indicates this location is susceptible to breaks. The continued costs of repairing the water main, the age of the utility, and the DIP material warrant this utility replacement. Additionally, soils in the area are classified as extremely corrosive, contributing to 13 line breaks in the past 7 years. All asphalt pavement on Riverside Street is to be replaced due to poor condition across entire road width.

Project Title: Reservoir Upgrades at North Low and South Low Tanks

Project Location: North and South Low storage tanks located within the Hidden Bridge Golf Club and directly north of Sheridan County Airport

Description: Both sites contain a 2-million-gallon storage tank and two .5-million-gallon storage tanks. Replace piping and valves to allow the smaller .5 million-gallon tanks at each location to only be used for storage when required for demand.

Justification: The excess storage capacity at both locations creates an unnecessary operation and maintenance burden. Additionally, the excess storage capacity creates a slow turnover within the tanks which increases the potential for water quality issues.

Project Title: Sugarview Drive Water Main Replacement

Project Location: Sugarview Drive off Sugarland Drive

Description: This project includes replacing approximately 1,700 feet of 6-inch DIP water main along Sugarview Drive.

Justification: The DIP water main is corroded and aging, causing increased maintenance and repairs. Two breaks resulting from corrosion were recorded along this section of water main in 2017, with another break recorded in 2013. The water main has reached the end of its service life and needs replaced to avoid the continued maintenance expenses of the corroded water main.

Project Title: Storm Water Conveyance System Improvements

Project Location: Storm Water Basins S, I2 and P

Description: This project includes the installation of storm water treatment systems in untreated storm drainage conveyance systems.

Justification: The 2010 Goose Creek Watershed TMDLs study identified several City of Sheridan point source discharge locations (outfall structures) as contributing a majority of sediment loading and E. coli to the Goose Creek watershed. In addition, results from a 2012-2013 water quality monitoring report identified elevated levels of sediment loading and E. coli in several storm water outfalls.

Project Title: Landfill Cell 9 Phase I & II Final Cover

Project Location: Sheridan Landfill

Description: This project includes the installation of a geosynthetic cover followed by two feet of seeded dirt of Cell 9 Phase I and II at the Sheridan Landfill. Also included in this project is the drilling of passive gas wells, revegetation, design, permitting, quality control and assurance during construction, and erosion and sediment controls.

Justification: The final closure of Cell 9 Phase I and II is required by WDEQ.

Innovation
Quality
Value

WWC ENGINEERING

CIVIL/WATER RESOURCE ENGINEERING

- Pumps and Pipelines
- Surface and Groundwater Modeling
- Earth Dam Design and Rehabilitation
- Water Supply, Treatment and Distribution
- Wastewater Treatment and Disposal
- Irrigation Systems
- GPS and Conventional Surveying
- Civil Engineering Design, Plans and Specifications
- Construction Engineering
- Water Rights
- Computer-Aided Design and Drafting (CADD)
- Storm Water Management
- Geotechnical Drilling and Sampling

TRANSPORTATION SERVICES

- Reconnaissance Reports
- Surveys (Right of Way, Ground Control, Construction)
- Bridge Hydraulics, Scour Analysis, Structure Selection
- Design of Urban Streets, Rural Roadways and Interstate Reconstruction
- Streetscape Enhancements
- Utility Replacement
- Drainage Design
- Bicycle/Pedestrian Pathways
- Parking Facilities
- Construction Administration

MINE SERVICES

- Mining and Reclamation Design and Permitting
- Reservoir and Dam Design
- Haulroads and Stream Crossings
- Hydrologic Control Plans
- Annual Reports and Bond Calculations
- NEPA Document Preparation
- 404 Permits
- Baseline Studies
- GPS and Conventional Surveying
- Drilling and Monitoring Services
- Blast Monitoring and Reporting
- Abandoned Mine Land Reclamation
- Reclaimed Stream Channels
- Assessment of Probable Hydrologic Consequences
- AVF Assessments

ENVIRONMENTAL SERVICES

- Environmental Compliance and Best Management Practices
- Regulatory Permitting
- Environmental Site Assessments
- Geomorphologic Investigations
- Hydrocarbon Product Recovery System Design
- Hydrologic and Water Quality Monitoring
- Hazardous and Non-Hazardous Waste Management Planning
- Site Remediation Planning and Design
- Soil and Groundwater Cleanup Plans
- Underground Storage Tank Investigation and Removal Plans
- NEPA Document Preparation
- Environmental Audits
- Wetland Delineation and Mitigation
- Drilling Supervision

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