



Capital Improvement Plan

Fiscal Years 2018-19 through 2023-24

Adopted: June 20, 2018

City of Jonesville

Capital Improvement Plan 2018-19 through 2023-24

Overview

The Capital Improvement Plan (CIP) is a six year schedule of all proposed major capital improvement projects including project priorities, cost estimates, methods of financing, and annual estimated operating and maintenance costs for the proposed projects. The CIP, therefore, is a tool to assess the long term capital project requirements for Jonesville. Since capital improvements are spread across many community needs (fire protection, police, sewer and water, parks and recreation, municipal administration, etc.) the CIP helps to prioritize these projects across the City over time.

Capital Improvement Projects

Capital improvements are major, infrequent expenditures, such as construction of a new facility, a major rehabilitation or repair to an existing facility, or the purchase of major equipment. Capital improvements are non-recurring expenditures that tend to be both large in physical size and cost, and have a longer useful life. Examples of capital projects include:

- Construction of a new City building
- Major road construction, such as bridge replacement or repaving
- Extension of a sewer and/or water line
- Purchase of a new fire truck
- Major repairs and/or renovations to the City Hall or Police Station
- Creation of a new park

The following projects are examples of expenditures that would be categorized as operating expenses, and would not usually constitute a capital improvement project:

- Purchase of new office furniture
- Purchase of new/used small equipment (lawn mowers, copiers, individual computers, etc.)
- Recurring maintenance of existing facilities
- Minor repairs to buildings or equipment
- Minor improvements to existing buildings (carpeting, painting, fixtures, etc.)

Major Expenditures

The term “major expenditure” is relative – what is major to Jonesville may be minor in another community. A capital improvement for the purposes of the Jonesville CIP is a major, non-recurring expenditure if it meets one or more of the following criteria:

- Any acquisition of land for a public purpose which costs \$5,000 or more.
- Any construction of a new facility (City building, water or sewer lines, parks), or any addition to an existing public facility, the cost of which equals \$5,000 or more and has a useful life of five or more years.

- A non-recurring rehabilitation (not including annual/recurring maintenance) of a building, its grounds, a facility or equipment, the cost of said rehabilitation being \$5,000 or more with a useful life of five or more years.
- Purchase of major equipment which, individually or in total, cost \$5,000 or more with a useful life of five or more years.
- Planning, feasibility, engineering or design studies related to an individual capital improvement project with a cost of \$5,000 or more.

Benefits

Completion of a six-year Capital Improvement Plan is a requirement of the Michigan Planning Enabling Act (Public Act 33 of 2008). Beyond meeting the State law, adoption of a CIP is beneficial to elected officials, administrative staff and the general public. Among the benefits of an adopted and well-maintained Capital Improvement Plan are:

- Prudent use of taxpayer dollars;
- Focusing expenditures on the needs of the community;
- Prioritizing projects across the needs of the community;
- Generating community support by inviting public input;
- Promoting economic development;
- Improving eligibility for State and Federal grants;
- Providing an implementation tool for the goals and objectives of the Master Plan;
- Transparency in identification of high-priority projects;
- Coordination/cost-sharing between projects.

Each year the Capital Improvement Plan will be revised for the next fiscal year. At the end of each fiscal year, the projects completed during that year are removed from the plan and an additional year's projects are added. Projects can then be adjusted in priority to reflect actual resources available. As the CIP is annually updated, a continuous relationship will be maintained between the CIP and the annual budget

General Fund Department projects begin on page 4. Streets and Public Works Departments begin on page 14. Water and Wastewater Department projects begin on page 21.

THE FOLLOWING CODES ARE USED THROUGHOUT THE DOCUMENT TO INDICATE THE SOURCE OF
FUNDING FOR THE PROPOSED PROJECTS

DDA – Downtown Development Authority

DO – Donations

FG – Federal Grant

GF – General Fund

GO – General Obligation Bonds

LDFA – Local Development Finance Authority

LS – Local Street Fund

LG – Local Grant

MS – Major Street Fund

MVP – Motor Vehicle Pool

PD – Private Developer

SA – Special Assessment

SF – Sewer Fund

SG – State Grant

SH – State Highway Fund

SM – Special Millage

WF – Water Fund

City of Jonesville
Capital Improvement Plan
EXECUTIVE SUMMARY – GENERAL FUND DEPARTMENTS

2018-2019 Fiscal Year		
Project	Cost	Funding Source
Computer Hardware Upgrades	\$5,000	GF
Cemetery Projects	\$71,000	GF
Police Patrol Vehicle Replacement	\$34,000	MVP/FG/SG
Grass Rig Tank and Pump Replacement	\$9,000	MVP
Sidewalk Extensions/ADA Ramps	\$10,000	GF/LS
Parks Planning	\$8,000	GF
Klein Tool Feasibility Study	\$12,000	DDA/GF/SG/FG

2019-2020 Fiscal Year		
Project	Cost	Funding Source
Computer Hardware Upgrades	\$5,000	GF
Cemetery Projects	\$10,000	GF
Tanker Pump and Tank Refabrication	TBD	MVP
Sidewalk Extensions/ADA Ramps	\$10,000	GF/LS
Park Improvements	TBD	GF

2020-2021 Fiscal Year		
Project	Cost	Funding Source
Computer Hardware Upgrades	\$5,000	GF
Cemetery Projects	\$10,000	GF
Police Patrol Vehicle Replacement	\$36,000	MVP/FG/SG
Sidewalk Extensions/ADA	\$10,000	GF/LS
Park Improvements	TBD	GF

2021-2022 Fiscal Year		
Project	Cost	Funding Source
Computer Hardware Upgrades	\$5,000	GF
Cemetery Projects	\$10,000	GF
Sidewalk Extensions/ADA	\$10,000	GF/LS

2022-2023 Fiscal Year		
Project	Cost	Funding Source
Computer Hardware Upgrades	\$6,000	GF
Cemetery Projects	\$10,000	GF
Sidewalk Extensions/ADA	\$10,000	GF/LS

2023-2024 Fiscal Year		
Project	Cost	Funding Source
Computer Hardware Upgrades	\$,000	GF
Cemetery Projects	TBD	GF
Police Patrol Vehicle Replacement	\$36,000	MVP/FG/SG
Sidewalk Extensions/ADA	TBD	GF/LS

City of Jonesville
Capital Improvement Plan
PROJECT DESCRIPTION

Project Title	Computer Hardware Upgrades		
Department	Computer	Funding Source	GF

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$5,000	\$5,000	\$5,000	\$5,000	\$6,000	\$6,000

Project Description and Location	
<p>This is an ongoing project to maintain workstation computers and network servers as the equipment ages and needs replacement.</p> <p>FY 2018-19 – \$5,000 - Replace City Manager, Clerk, Administrative Assistant, and Police Department front desk computers. Office software to be updated as needed. Rotate used workstations to City Hall front desk and Fire Department</p> <p>FY 2019-20 - \$5,000 – Replace network and Microsoft Exchange server and operating software</p> <p>FY 2020-21 - \$5,000 – Replace Police Chief, Police Sergeant, Wastewater Treatment Superintendent, and DPW Superintendent computers. Office software to be updated as needed</p> <p>FY 2021-22 - \$5,000 – Replace BS&A and Cemetery software server and operating software</p> <p>FY 2022-23 - \$6,000 – Replace Finance Director, Police Department in-car computer, evaluate PLC computers for operation and replacement</p> <p>FY 2023-24 - \$6,000 – Evaluate and replace workstation computers, as needed.</p>	

Project Need and Impact
<p>Network and work station computers are critical to the ongoing operation and customer service within the organization. The priority of replacements will be evaluated annually. Those on the schedule for replacement will be given priority, but will only be replaced if needed and if funds are available.</p>

Related Costs and Future Funding Needs
<p>There are increasing cloud based software and data storage options. These options will be continually evaluated to determine whether they present more cost effective when compared to locally installed software and off-site data storage.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Cemetery Projects		
Department	Cemetery	Funding Source	GF

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$71,000	\$10,000	\$10,000	\$10,000	\$10,000	TBD

Project Description and Location
<p>It is anticipated that several one-time capital projects will be undertaken over the next several years to contribute to the professional operation and appearance of the Sunset View Cemetery. The following is a list of projects and estimated costs prioritized by the Cemetery Committee.</p> <p>FY 2018-19 - Carryover of the retaining walls (\$15,000); resurface paved driveways (\$54,000); historic monument repair (\$2,000)</p> <p>FY 2019-20 - \$10,000 - Historic monument repair, future expansion planning</p> <p>FY 2020-21 - \$10,000 - Reserve funding for future expansion</p> <p>FY 2021-22 - \$10,000 - Building and grounds improvement</p>

Project Need and Impact
<p>The Cemetery Committee will review the project list annually and update as needs change and conditions warrant. Funding for the projects is intended to come from the allocated assets that were transferred with City incorporation. These projects are intended to assure the professional operation and appearance of the Cemetery.</p>

Related Costs and Future Funding Needs
<p>There will be ongoing maintenance costs as these improvements are completed. Costs will be evaluated as projects are executed.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Police Patrol Vehicle Replacement				
Department	Police Department	Funding Source	MVP/FG/SG		

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$34,000	-	\$36,000	-	-	\$36,000

Project Description and Location	
Transfer/Vehicle Reserve 301-967.000	
Recurring cost to replace (1) of (2) police patrol vehicles on a 5-year rotating replacement plan. 2014 Utility to be replaced in 2018-2019 budget year.	
Costs to include vehicle purchase and installation of necessary equipment.	

Project Need and Impact	
Necessary equipment to provide basic police service.	

Related Costs and Future Funding Needs	
Annual transfer is made to the motor vehicle pool to address the anticipated cost.	
Federal or State grants to be applied for as available to decrease cost to purchase and equip the vehicle.	

City of Jonesville
Capital Improvement Plan
PROJECT DESCRIPTION

Project Title	Grass Rig Tank and Pump Replacement				
Department	Fire Department	Funding Source	MVP		

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$9,000	-	-	-	-	-

Project Description and Location
<p>The Grass Rig (#572) pump and tank are at 15 years of service with a failing pump, leaks on lines, and valve issues. Repeated repairs have been required. Replacement is needed before the equipment fails.</p> <p>The project would replace the skid unit with a new tank and pump to replace the existing system. The chassis is still in good condition.</p>

Project Need and Impact
<p>#572 is a vital truck for wildfire and rescue operations.</p>

Related Costs and Future Funding Needs
<p>The estimate for a skid unit to replace the existing system is \$9,000.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Sidewalk Extensions / ADA Ramps		
Department	Sidewalks	Funding Source	GF / LS

Fiscal Year	2018-19	2019-20	2020-21	2120-22	2022-23	2023-24
Est. Cost	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	TBA

Project Description and Location
<p>This project involves improving sidewalk ramps where they approach public streets over time so that they comply with current standards of the Americans with Disabilities Act (ADA) for ramp slope and installation of detectable warnings. This item would also permit the extension of new sidewalk along streets where they are not currently installed. Prior to construction, intersection and optional extension location will be identified and prioritized. The \$ 10,000 cost estimate would generally cover upgrades to the ramps on each corner of a subdivision or the extension of sidewalks along one side of a typical city block.</p>

Project Need and Impact
<p>The upgrade and extension of the sidewalk system is a component of assuring a safe and walkable community. A complete sidewalk network increases access to schools, businesses, and neighborhoods, as well as active recreation opportunities.</p>

Related Costs and Future Funding Needs
<p>New sidewalks will require periodic maintenance to address cracks and heaving. Actual annual cost will be reviewed in future year plans when priorities are identified.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Parks Planning and Improvements		
Department	Parks	Funding Source	GF

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$8,000	TBD	TBD	-	-	-

Project Description and Location
<p>Prior years Capital Improvement Plans called for the resurfacing of the tennis courts at the Wright Street Park during the 2016-17 fiscal year. However, the recently completed Recreation Master Plan indicates that upgrades and improvement to existing parks, including playground equipment, placement of a dog park, additional ball fields, and walking/ biking paths rank higher community priorities. It is recommended that funds be expended in 2018-19 for the development of concept plans for Wright Street Park (\$4,270) and Carl Fast Park (\$2,730). The concept plans would provide a preliminary layout for park improvements and cost estimates for future project planning.</p>

Project Need and Impact
<p>The need results from input received through the Recreation Master Plan survey. The concept plans will provide for the coordinated development of future improvements at the parks.</p>

Related Costs and Future Funding Needs
<p>There will be implementation cost associated with future construction and upgrades at the parks. Improvements will also require future maintenance. These cost will be evaluated through the development of the concept plan.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Klein Tool Feasibility Study				
Department	General Office	Funding Source	DDA/GF/SG/FG		

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$12,000	-	-	-	-	-

Project Description and Location
<p>The top community priority through the recent Community Survey and Framing Jonesville’s Future meeting was the Klein Tool building. The survey indicated that the community believes that the City should take steps to plan for the redevelopment, reuse, and/or demolition of this property. This project would engage professional services to determine costs and options for the future of this facility.</p> <p>It is intended that the City, Downtown Development Authority, and Hillsdale County Economic Development Partnership would engage the Michigan Department of Environmental Quality and other state agencies in an effort to leverage funds to assist with the study, as well as future marketing and redevelopment of the property.</p>

Project Need and Impact
<p>This project was identified by the community as a top priority for action. The future impact would be the productive use of an important Downtown property.</p>

Related Costs and Future Funding Needs
<p>There will be additional funding needed for the marketing and development of the site. Potential costs would be identified with the study.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Tanker Pump and Tank Refabrication		
Department	Fire Department	Funding Source	MVP

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	-	TBD	-	-	-	-

Project Description and Location
<p>Replacing the tank on #561 with a poly tank to decrease vehicle weight, adding a 500-750 gpm pump to truck to increase pumping capacity. Refabricate storage.</p>

Project Need and Impact
<p>Rebuilding the tank and adding a pump, rather than a total vehicle replacement, would maintain a tanker at a lower cost.</p>

Related Costs and Future Funding Needs
<p>Fabrication costs are unknown at this time. Will need to obtain bids.</p>

**City of Jonesville
Capital Improvement Plan**

EXECUTIVE SUMMARY – STREETS AND PUBLIC WORKS DEPARTMENTS

2018-2019 Fiscal Year		
Project	Cost	Funding Source
Street Paving and Reconstruction	\$110,000	LS
Chip Sealing and Fog Sealing	\$60,000	LS
Reading Lane Extension	\$25,000	LDFA/FG/SG
Replace 2004 1 Ton Dump Truck	\$35,315	MVP

2019-2020 Fiscal Year		
Project	Cost	Funding Source
Crack Filling - Major and Local Streets	\$12,000	LS/MS
Chip Sealing and Fog Sealing	44,715	LS/MS
Reading Lane Extension	\$393,000	LDFA/FG/SG
Replace 2005 Model Year Dump Truck	\$150,000	MVP
Crack fill-Seal & Paint N. Parking Lot	\$7,000	DDA

2020-2021 Fiscal Year		
Project	Cost	Funding Source
Crack Filling – Major and Local Streets	\$12,000	LS/MS
Streets Paving and Reconstruction	TBD	LS
Chip Sealing and Fog Sealing	TBD	LS/MS

2021-2022 Fiscal Year		
Project	Cost	Funding Source
Crack Filling - Major and Local Streets	\$12,000	LS/MS
Chip Sealing and Fog Sealing	TBD	LS/MS

2022-2023 Fiscal Year		
Project	Cost	Funding Source
Crack Filling – Major and Local Streets	\$12,000	LS/MS
Chip Sealing and Fog Sealing	TBD	LS/MS

2023-2024 Fiscal Year		
Project	Cost	Funding Source
Crack Filling – Major and Local Streets	TBD	LS/MS
Chip Sealing and Fog Sealing	TBD	LS/MS

City of Jonesville
Capital Improvement Plan
PROJECT DESCRIPTION

Project Title	Street Paving and Reconstruction Projects		
Department	Major and Local Streets	Funding Source	MS/LS/SG

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$110,000	-	TBD	TBD	TBD	TBD

Project Description and Location	
<p>This project includes milling & filling or reconstruction of various City streets, with the location and nature of work noted.</p> <p>2018-2019 – Pulverizing Oak Street, mill & pave Salem Drive. \$110,000 (Local St.)</p> <p>2020-2021 – Reconstruct West Street from South Street To Maumee Street, abandoning existing 4” water main and reconnecting all water services to 12” water main and fire hydrants, will be considered once existing debt service is paid off (Local Streets)</p>	

Project Need and Impact
<p>These projects are needed to keep our infrastructure current and well maintained.</p>

Related Costs and Future Funding Needs
<p>These projects will be reviewed on an annual basis to determine schedule, potential grouping of projects, and whether there are additional needs that come up based on availability of funds. ADA ramps must be installed any time construction is done on any streets if there is sidewalk along them.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Chip Sealing & Fog Sealing		
Department	Local Streets	Funding Source	LS

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$62,800	\$44,715	TBD	TBD	TBD	TBD

Project Description and Location
2018-2019 - Chip sealing & fog seal, Greenbriar, Harley, Drayton, Highland, Baxter, Baker, Glendale, Austin Dr. & East Street from Liberty to Adrian. These are Local Streets at a cost of \$60,000.
2019-2020 - Chip Sealing & Fog Sealing Case, Craig, Village Ln, Willow, Drake & Orville. These are Local Streets at a cost of \$30,015.
2019-2020 - Chip Seal & Fog Seal Reading Ave. This is a Major Street at a cost of \$14,700.

Project Need and Impact
These projects are needed to keep are streets preserved.

Related Costs and Future Funding Needs
The City has a 4.6823 millage for this cost.

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Reading Lane Extension		
Department	LDFA	Funding Source	LDFA/FG/SG

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$25,000	\$393,000	-	-	-	-

Project Description and Location

This project would extend Reading Avenue, south of Gaige Street. The extension would intersect with Olds Street/M-99 at Industrial Parkway.

Right-of-way acquisition began in the 2017-18 fiscal year and is currently ongoing. The project need is under evaluation relative to potential manufacturing expansion in the vicinity.

Once the project need is confirmed, design engineering would take place in 2018-19, with construction to follow in 2019-20.

Project Need and Impact

The project is needed to address traffic congestion and to improve traffic circulation in the vicinity of M-99 and Gaige Street. The improvements are intended to assure the long term viability of businesses in the vicinity. State and Federal grant opportunities will be explored during the 2017-18 fiscal year to offset project costs.

Related Costs and Future Funding Needs

The completed street will have ongoing winter and preventative maintenance costs following construction.

City of Jonesville
Capital Improvement Plan
PROJECT DESCRIPTION

Project Title	New Dump Truck Outfitted		
Department	DPW	Funding Source	MVP

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$35,315	\$150,000	-	-	-	-

Project Description and Location
<p>2018-19 - Replace the 2004 1 ton Dump Truck for the DPW.</p> <p>2019-20 - Replace the 2005 Dump Truck for the DPW. This truck will be outfitted the same as the 2017 Dump Truck.</p>

Project Need and Impact
<p>The 1 ton dump truck is used quite often as we use it for the brush collection program, cold patching, cleaning storm drains & etc. This truck is starting to have major issues.</p> <p>The larger dump trucks are on a 15 year replacement program.</p>

Related Costs and Future Funding Needs
<p>Reserved funds have been set aside over the years for this purchase from the Motor Vehicle Pool. It is recommended that funds continue to be set aside to keep equipment current, the City might have to look into raising the funds as the price of equipment is on the rise.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Crack Filling Major and Local Streets		
Department	Major and Local Streets	Funding Source	MS/LS

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	-	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000

Project Description and Location

Crack Filling Major and Local Streets, various locations.

Project Need and Impact

This is a Preventive Project that has been in place for many years to keep the Streets preserved. Without this preventive maintenance, the freeze/thaw cycle of water in the pavement can deteriorate the road surface and/or the road base, leading to a much more expensive fix.

Related Costs and Future Funding Needs

This is a yearly project.

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Crack Fill, Double Seal & Restripe North Parking Lot		
Department	Parking Lot	Funding Source	DDA

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	-	\$7,000	-	-	-	-

Project Description and Location
Crack fill, double seal & restripe all of the North Parking Lot.

Project Need and Impact
This is a preventive maintenance project, will have to be done in sections to accommodate parking for downtown businesses.

Related Costs and Future Funding Needs
This should be done every 3 years or as needed.

**City of Jonesville
Capital Improvement Plan**

EXECUTIVE SUMMARY – WATER AND WASTEWATER DEPARTMENTS

2018-2019 Fiscal Year		
Project	Cost	Funding Source
Water System Improvements	\$2,900,000	WF/GO
Water Meter Replacement	\$26,218	WF

2019-2020 Fiscal Year		
Project	Cost	Funding Source
Water Meter Replacement	\$25,651	WF

2020-2021 Fiscal Year		
Project	Cost	Funding Source
WWTP Laboratory Upgrade	\$100,000	WF/SF
WWTP Evaluation	\$15,000	SF
Water Meter Replacement	TBD	WF

2021-2022 Fiscal Year		
Project	Cost	Funding Source
Sewer Lining & Repair (Original Sewers)	\$100,000	SF
Sewer Cleaning	\$25,000	SF
Water Meter Replacement	TBD	WF

2022-2023 Fiscal Year		
Project	Cost	Funding Source
Sewer Cleaning	\$25,000	SF
Water Meter Replacement	TBD	WF

2023-2024 Fiscal Year		
Project	Cost	Funding Source
Water Meter Replacement	TBD	WF

City of Jonesville
Capital Improvement Plan
PROJECT DESCRIPTION

Project Title	Water System Improvements				
Department	Water Department	Funding Source	WF/GO		

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$2,900,000	-	-	-	-	-

Project Description and Location	
<p>This project would complete certain updates and improvements to the Iron Removal Plant, meter reading system, and water distributions system. Estimated project costs are as follows:</p>	
<p>Iron Removal Plant (including design and legal services, construction contingency):</p>	<p>\$2,443,000</p>
Radio Read Water Meters:	300,000
Evans Street Distribution System Improvement:	<u>118,000</u>
Total Estimated Project Cost:	\$2,861,300
<p>A USDA-RD loan application has been prepared in FY 2017-18 and reserve funds have been allocated for this project for the last several years.</p>	

Project Need and Impact
<p>The plant is approaching 50 years old. An initial study indicates several areas that have exceeded their useful life.</p> <p>Due to age and changes in technology, our current meter reading equipment will need to be upgraded in the near future. A0 fixed network system would allow all meters to be read from City Hall. It takes four days now to read all of the meters on walking routes.</p> <p>The distribution project would replace 1,130 feet of 4- and 6-inch water main with 12-inch main from Grant Street to Ecology Drive.</p>

Related Costs and Future Funding Needs
<p>The timing of the implementation of radio read meters throughout the 861 water customers is being evaluated. Total project size and timing will be finalized with the completion of a water rate study.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Water Meter Replacement Program		
Department	Water Distribution	Funding Source	WF

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	\$26,218	\$25,651	TBD	TBD	TBD	TBD

Project Description and Location
<p>Replacement of water meters in various locations. The two years that I put on here will be an estimate on what it will cost for the fixed network system once installed per year.</p>

Project Need and Impact
<p>Required every ten years to prevent water loss.</p>

Related Costs and Future Funding Needs
<p>Water meters are charged on water bills for this cost.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	WWTP Laboratory Upgrade		
Department	Wastewater Plant	Funding Source	WF/SF

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	-	-	\$100,000	-	-	-

Project Description and Location
<p>Replacement of laboratory furniture including cabinets, countertops, and associated plumbing and electrical.</p>

Project Need and Impact
<p>Plant Staff perform both water and wastewater laboratory procedures at the WWTP. The lab is nearly 50 years old and in need of an upgrade. Staff has also been performing lagoon analysis and drinking water analysis for most of the small communities in Hillsdale County. I would like to project a more professional image in the lab so that we may continue to increase revenue from outside the City of Jonesville. The laboratory is also the largest source of alternative income for the City.</p>

Related Costs and Future Funding Needs
<p>Firm costs will be established via an engineer's design and estimate. Please note that I have pushed this project back two years also because of the water plant upgrade and the SAW grant work.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Wastewater Plant Evaluation		
Department	Wastewater Plant	Funding Source	SF

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	-	-	\$15,000	-	-	-

Project Description and Location
Professional evaluation of the City Wastewater Treatment Plant.

Project Need and Impact
The wastewater plant will be 15 years old during this fiscal year. A professional evaluation should be conducted at this time to give City Officials some idea of when an expansion or upgrade should be scheduled.

Related Costs and Future Funding Needs
The estimated cost of \$15,000.00 may need to be adjusted depending on which firm is selected by City Council. This CIP project may be deleted depending on the results of the asset management plan that is currently being developed through the SAW grant.

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Sewer Lining & Repair (Original Sewers)		
Department	Wastewater plant	Funding Source	SF

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	-	-	-	\$100,000	-	-

Project Description and Location

Lining of the sanitary sewers in the business district of US-12 and two blocks north and south of the business district.

Project Need and Impact

The original sewer district was installed over 100 years ago. We have made a number of repairs over the last 20 years. By lining the US-12 and the rest of the original sewer district we would be installing what amounts to a new sewer pipe that would eliminate all joints and cracks in the pipe. This would also eliminate and water or root infiltration. Please note that this project has been pushed back in the timeline.

Related Costs and Future Funding Needs

I have proposed \$25,000.00 per year for this project. I would like to continue funding this project even though I feel the need to push it back for two years because of the water plant upgrade and the wastewater asset management plan that is being conducted with SAW grant money. Putting money aside will allow the City to line more sanitary sewers in the future.

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Sewer Cleaning		
Department	Wastewater Plant	Funding Source	SF

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Est. Cost	-	-	-	\$25,000	\$25,000	-

Project Description and Location

Jet rodding areas of the sanitary sewer system.

Project Need and Impact

Regular sanitary sewer maintenance.

Related Costs and Future Funding Needs

Cleaning as much linear feet as budgeted funds allow.