



Capital Improvement Plan

Fiscal Years 2020-21 through 2025-26



Photo: Carter Lucas

Adopted: June 17, 2020

City of Jonesville

Capital Improvement Plan 2020-21 through 2025-26

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 14. Streets and Public Works Departments begin on page 23. LDFA and DDA projects begin on page 29. Water and Waste Water Department projects begin on page 34.

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

2020-2021 Fiscal Year		
Project	Cost	Funding Source
City Hall Maint. and Improvements	\$29,000	GF
Cemetery Projects	\$22,000	GF
Police Patrol Vehicle Replacement	\$45,000	MVP/SG/FG
Fire Truck Replacement – Tanker (561)	\$195,000	GF/FG
Sidewalk Repair/Extensions/ADA Ramps	\$10,000	GF/LS/MS
Parks Improvements	\$8,000	GF/SG

2021-2022 Fiscal Year		
Project	Cost	Funding Source
Computer Hardware Upgrades	\$7,000	GF
Cemetery Projects	\$12,000	GF
Sidewalk Repair/Extensions/ADA Ramps	\$10,000	GF/LS/MS
Parks Improvements	TBD	GF/SG

2022-2023 Fiscal Year		
Project	Cost	Funding Source
Computer Hardware Upgrades	\$6,500	GF
Cemetery Projects	\$12,000	GF
Sidewalk Repair/Extensions/ADA Ramps	\$10,000	GF/LS/MS
Parks Improvements	TBD	GF/SG

2023-2024 Fiscal Year		
Project	Cost	Funding Source
Computer Hardware Upgrades	\$7,000	GF
Cemetery Projects	\$12,000	GF
Sidewalk Repair/Extensions/ADA Ramps	\$10,000	GF/LS/MS

2024-2025 Fiscal Year		
Project	Cost	Funding Source
Computer Hardware Upgrades	\$8,000	GF
Cemetery Projects	TBD	GF
Sidewalk Repair/Extensions/ADA Ramps	\$10,000	GF/LS/MS
Police Patrol Vehicle Replacement	\$48,000	MVP/SG/FG

2025-2026 Fiscal Year		
Project	Cost	Funding Source

Computer Hardware Upgrades	\$8,000	GF
Cemetery Projects	TBD	GF
Sidewalk Repair/Extensions/ADA Ramps	\$10,000	GF/LS/MS

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	City Hall Maintenance and Improvements		
Department	Computer	Funding Source	GF

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$29,000	-	-	-	-	-

Project Description and Location	
<p>Several exterior repair and maintenance issues need to be addressed in the near future at City Hall.</p> <p>Brick Repair (\$12,000) – Weather, salt, and time have caused deterioration of brick on parts of the building, especially on the east side near the sidewalk. The repairs would include replacement of brick, as needed, tuck pointing joints and sealing.</p> <p>Eave Repair (\$3,500) – The project would replace deteriorated sections of wood eave boards on the east side of the building.</p> <p>Painting (\$11,500) – Wood doors, windows, and trim are in need of painting to protect from the elements.</p> <p>Doors and signage (\$2,000) – The USDA identified needed upgrades to the front entry, as well as improved signage for accessibility as a part of the Water System Improvements loan.</p>	

Project Need and Impact
<p>Proper repair and upkeep of the facility will allow its continued use for years to come. These improvements have been carried over from prior year budgets. Some continued carryover can take place, if funding constraints present themselves. However, continued deferment could increase repair costs.</p>

Related Costs and Future Funding Needs
<p>Maintenance and upkeep of this historic building will have continued costs over time.</p>

City of Jonesville
Capital Improvement Plan
PROJECT DESCRIPTION

Project Title	Cemetery Projects		
Department	Cemetery	Funding Source	GF

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$24,000	\$12,000	\$12,000	\$12,000	TBD	\$2,000

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 2020-21 – \$24,000 – Pole barn siding and repair (\$18,000); demolish block storage building (\$4,000); historic monument repair (\$2,000) FY 2021-22 – \$12,000 - Future expansion planning, historic monument repair FY 2022-23 – \$12,000 - Reserve funding for future expansion, historic monument repair FY 2023-24 – \$12,000 – Reserve funding for future expansion, historic monument repair FY 2024-25 – TBD – Cemetery expansion FY 2025-26 – \$2,000 – Historic monument repair</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	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$45,000	-	-	-	\$48,000	-

Project Description and Location	
Transfer/Vehicle Reserve 301-967.000	
<p>Recurring cost to replace (1) of (2) police patrol vehicles on a 5-year rotating replacement plan. 2016 Utility to be replaced in 2020-21 budget year.</p> <p>Costs to include vehicle purchase and installation of necessary equipment. Vehicle costs are anticipated to increase due to manufacturer changes in the design of the vehicle. The estimate assumes that new vehicle equipment will be needed as a result of the re-design.</p>	

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

Related Costs and Future Funding Needs
<p>Annual transfer is made to the motor vehicle pool to address the anticipated cost. The current fiscal year budget reflects a change in the annual vehicle reserve, due to the expected increase in vehicle cost.</p> <p>Federal or State grants to be applied for as available to decrease cost to purchase and equip the vehicle.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Fire Truck Replacement – Tanker (561)		
Department	Fire Department	Funding Source	GF/FG

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$195,000	-	-	-	-	-

Project Description and Location
<p>The 2,000-gallon tanker is at a point in time that patching and repairing is no longer feasible. The pump leaks and the inner lining of the tank is peeling away. The body is currently rusted with many holes. Wiring for lights is failing, with repairs needed monthly.</p>

Project Need and Impact
<p>Total truck replacement. A new truck will be equipped with a 500 gallon-per-minute (GPM) pump and 2,000-gallon tank. This will increase pumping capacity for the City’s ISO rating and improve shuttling capacity for water.</p>

Related Costs and Future Funding Needs
<p>Federal or State grants to be applied for as available to decrease cost to purchase and equip the vehicle.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

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

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000

Project Description and Location

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. This item includes repair of sidewalk sections that present unsafe conditions, as well.

The \$10,000 cost estimate would generally cover upgrades to the ramps on each corner of a street or the extension of sidewalks along one side of a typical city block.

Project Need and Impact

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.

Related Costs and Future Funding Needs

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.

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Parks Improvements		
Department	Parks	Funding Source	GF/SG

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$8,000	TBD	TBD	-	-	-

Project Description and Location

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.

Preliminary concept plans have been developed for Carl Fast Park and Wright Street Park. It is anticipated that future improvements to these parks will be facilitated with State grants.

Prior to application for grants, it is necessary to update the 5-year Recreation Plan. The City will then be eligible for grant application.

Project Need and Impact

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.

Related Costs and Future Funding Needs

There will be implementation cost associated with future construction and upgrades at the parks. Improvements will also require future maintenance. These costs will be evaluated through the development of the concept plan.

City of Jonesville
Capital Improvement Plan
PROJECT DESCRIPTION

Project Title	Computer Hardware Upgrades		
Department	Computer	Funding Source	GF

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	-	\$7,000	\$6,500	\$7,000	\$8,000	\$8,000

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 2020-21 – No hardware projects planned at this time. FY 2021-22 – \$7,000 – Replace BS&A and Cemetery software server and operating software. FY 2022-23 – \$6,500 – Evaluate City Hall computers, Police Department in-car computer, for replacement, as needed. FY 2023-24 – \$7,000 – Evaluate and replace DPW, WWTP workstation computers, as needed. FY 2024-25 - \$8,000 – Evaluate PLC/SCADA computers, Police Department in-car computer, for replacement, as needed. FY 2025-26 - \$8,000 – Evaluate and update desktop workstations, 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. Staff will continue to evaluate cloud-based options as they become available and evaluate subscription costs as compared to maintenance of in-house hardware.</p>

Related Costs and Future Funding Needs
<p>There are increasing cloud-based software and data storage options. While these options present new operational costs, the operating cost is often less than locally owned hardware and software.</p>

**City of Jonesville
Capital Improvement Plan**

EXECUTIVE SUMMARY – STREET AND PUBLIC WORKS DEPARTMENTS

2020-2021 Fiscal Year		
Project	Cost	Funding Source
Street Paving Projects	\$128,000	LDFA/LS
Street Reconstructions	\$45,500	SG/MS/LS
Crack Fill – Major and Local Streets	\$12,000	MS/LS
DPW Salt Pad	\$10,000	GF
New Dump Truck Outfitted	\$148,000	MVP/SG/FG

2021-2022 Fiscal Year		
Project	Cost	Funding Source
Crack Fill – Major and Local Streets	\$12,000	LS/MS/LDFA
Street Reconstruction – Maumee Street	\$450,000	MS/SG

2022-2023 Fiscal Year		
Project	Cost	Funding Source
Crack Fill – Major and Local Streets	\$12,000	LS/MS/LDFA
Street Reconstruction – West Street	\$570,000	LS

2023-2024 Fiscal Year		
Project	Cost	Funding Source
Crack Fill – Major and Local Streets	\$12,000	LS/MS/LDFA

2024-2025 Fiscal Year		
Project	Cost	Funding Source
Crack Fill – Major & Local Streets	\$12,000	LS/MS/LDFA

2025-2026 Fiscal Year		
Project	Cost	Funding Source
Crack Fill – Major & Local Streets	\$12,000	LS/MS/LDFA

City of Jonesville
Capital Improvement Plan
PROJECT DESCRIPTION

Project Title	Street Paving Projects		
Department	L DFA and Local Streets	Funding Source	L DFA/LS

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$128,000	-	-	-	-	-

Project Description and Location

This project includes milling and filling one Local Street one L DFA and paving one Local Street.

2020-2021 – Milling and paving Parkwood Dr at 1 ½” depth and Gaige Street 2” depth. Paving the end of Pinecrest Dr. 1 ½” base with a 1 ½” top, with paving the rest of Pinecrest could be added to more Act 51 money as it does not apply being a dirt street. These are the estimated prices.

Pinecrest and Parkwood: \$62,000
Gaige: \$66,000

Gaige Street would be reimbursed by the L DFA.

Project Need and Impact

These projects are needed to keep our infrastructure current and well maintained.

Related Costs and Future Funding Needs

These projects will be reviewed on an annual basis to determine schedule 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.

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Street Reconstructions – Maumees and West Street		
Department	Major and Local Streets	Funding Source	SG/MS/LS

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$45,500	\$450,000	\$570,000	-	-	-

Project Description and Location	
	2020-2021 - Engineering cost for Maumees Street (\$16,500) and West Street (\$29,000).
	2021-2022 – Mill and pave Maumees Street, The City obtained a Small Urban Grant for this project, would include upgrading ADA ramps and repairing sidewalks. This would be a 20% match grant. Preliminary estimate: \$450,000
	2022-2023 – Reconstruct West Street from South Street to Adrian Street, Adrian Street from West Street to Maumees Street, abandoning existing 4” water main and reconnecting all water services to existing 12” water main and fire hydrants. This will also include new water services installed into residents houses per EGLE new Lead and Copper Rule. Sidewalk and ADA ramps included. Originally planned following final payment of East Street debt in 2023. Preliminary estimate: \$570,000.

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

Related Costs and Future Funding Needs	
	Staff is currently reviewing scenarios to refinance existing debt and potentially advance the West Street project to take advantage of competitive interest rates. These projects will be reviewed on an annual basis to determine schedule and whether there are additional needs that come up based on availability of funds, ADA ramps must be installed anytime construction is done on any streets if there is sidewalk along them.

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	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$12,000	\$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	DPW Salt Pad		
Department	DPW	Funding Source	GF

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$10,000	-	-	-	-	-

Project Description and Location
<p>Remove existing black top and repave at 4" depth at the DPW salt building.</p>

Project Need and Impact
<p>The current pad has met its life expectancy.</p>

Related Costs and Future Funding Needs
<p>The DPW will remove existing black top to save on cost.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	New Dump Truck Outfitted				
Department	DPW	Funding Source	MVP		

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$148,000	-	-	-	-	-

Project Description and Location
<p>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 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 or apply for grant money as the price of equipment is on the rise.</p>

**City of Jonesville
Capital Improvement Plan**

EXECUTIVE SUMMARY – DOWNTOWN DEVELOPMENT AUTHORITY AND
LOCAL DEVELOPMENT FINANCE AUTHORITY

2020-2021 Fiscal Year		
Project	Cost	Funding Source
DDA Capital Projects	\$22,000	DDA/FG/SG
Downtown Parking Lot Preventative Maintenance	\$2,500	DDA
Gaige Street Paving	\$66,000	L DFA
Gaige St./Reading Ln. Traffic Circulation	\$45,000	L DFA/FG/SG

2021-2022 Fiscal Year		
Project	Cost	Funding Source
DDA Capital Projects	\$490,000	DDA/FG/SG
Gaige St./Reading Ln. Traffic Circulation	TBD	L DFA/FG/SG

2022-2023 Fiscal Year		
Project	Cost	Funding Source
DDA Capital Projects	\$25,000	DDA/FG/SG

2023-2024 Fiscal Year		
Project	Cost	Funding Source
DDA Capital Projects	\$TBD	DDA/FG/SG

2024-2025 Fiscal Year		
Project	Cost	Funding Source
DDA Capital Projects	TBD	DDA/FG/SG

2025-2026 Fiscal Year		
Project	Cost	Funding Source
None at this time		

City of Jonesville
Capital Improvement Plan
PROJECT DESCRIPTION

Project Title	DDA Capital Projects		
Department	Downtown Dev. Auth.	Funding Source	DDA/FG/SG

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$22,000	\$490,000	\$25,000	TBD	TBD	-

Project Description and Location	
<p>The Downtown Development Authority supports certain capital projects that enhance the Downtown and encourage private economic investment. The following is a list of projects that are anticipated over the next several years.</p> <p>FY 2020-21 - \$22,000 – Engineering for US-12/Chicago Street streetscape improvements (\$9,500) and South Parking Lot improvements</p> <p>FY 2021-22 - \$490,000 – US-12/Chicago Street streetscape construction (\$350,000) and South Parking Lot (\$140,000)</p> <p>FY 2022-23 - \$25,000 – Downtown wayfinding signs; may be executed with the streetscape projects</p> <p>FY 2023-24 – TBD – Design of M-99/Olds St. streetscape enhancements (timing subject to MDOT plans for M-99 and availability of grant funds)</p> <p>FY 2024-25 – TBD – North Parking Lot surfacing</p>	

Project Need and Impact
<p>These projects are intended to promote private investment and improved property values in the Downtown district. The project list will be reviewed on an annual basis and update as needs change and conditions warrant.</p>

Related Costs and Future Funding Needs
<p>The streetscape improvements will have ongoing maintenance and upkeep costs. These costs are typically budgeted in the DDA annual operating budget. The DDA is exploring feasibility of refinancing existing debt and pursuing Chicago Streetscape and South Parking Lot improvements while financing interest rates are low. This project may be pursued in FY 2020-21, if deemed feasible.</p>

City of Jonesville
Capital Improvement Plan
PROJECT DESCRIPTION

Project Title	Downtown Parking Lot Preventative Maintenance		
Department	Downtown Dev. Auth.	Funding Source	DDA

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$2,500	-	-	-	-	-

Project Description and Location

2020-21 Crack fill, double seal & restripe S. parking lot behind post office.

Project Need and Impact

This is a preventive maintenance project to extend the life of the parking lot surface.

Related Costs and Future Funding Needs

This should be done every 3 years or as needed.

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Gaige Street Paving		
Department	L DFA and Local Streets	Funding Source	L DFA

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$66,000	-	-	-	-	-

Project Description and Location	
<p>This project includes milling and paving one street in the L DFA district.</p> <p>2020-2021 – Milling and paving Gaige Street 2” depth. This project would reimburse the local street expenditure (see p. 24 of this Capital Improvement Plan).</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>Street maintenance includes ongoing costs to seal cracks, and periodically resurface to extend the life of a street. 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	Gaige St./Reading Ln. Traffic Circulation		
Department	Local Dev. Finance Auth.	Funding Source	LDFA/FG/SG

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$45,000	TBD	-	-	-	-

Project Description and Location

This project would address short-term traffic congestion issues that take place in the vicinity of Gaige Street and M-99 (Olds St.). City staff has been working with representatives of the Michigan Department of Transportation (MDOT), the Michigan Economic Development Corporation (MEDC) the Hillsdale County EDP, and business interests to explore options. A preliminary design and cost estimate for an extension of Reading Ln. was completed in 2017, with right-of-way secured as well. Anticipating additional engineering and study, the LDFA has budgeted \$45,000 to be used toward additional engineering and needed traffic studies.

The final design of feasible improvements has not been determined at this time.

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. Engineering would determine an appropriate number of potential solutions that could be agreed to by the parties. State and Federal grant opportunities will be explored to offset project costs.

Related Costs and Future Funding Needs

Any new or expanded streets will have ongoing winter and preventative maintenance costs following construction.

**City of Jonesville
Capital Improvement Plan**

EXECUTIVE SUMMARY – WASTE WATER AND WATER DEPARTMENT PROJECTS

2020-2021 Fiscal Year		
Project	Cost	Funding Source
Sewer Lining & Repair	\$25,000	SF
Pressure Filter Pump Repair	\$32,000	SF
Replace Outside Automatic Sampler	\$9,000	SF
Relocate Trickling Filter Flow Controls	\$12,000	SF
Wastewater Laboratory Upgrade	\$150,000	WF/SF
Valve Addition at Water Tower	\$7,500	WF

2021-2022 Fiscal Year		
Project	Cost	Funding Source
Sewer Lining & Repair	\$100,000	SF

2022-2023 Fiscal Year		
Project	Cost	Funding Source
Sewer Lining & Repair	\$25,000	SF

2023-2024 Fiscal Year		
Project	Cost	Funding Source
Sewer Lining & Repair	\$25,000	SF
Replace Outside Doors	\$25,000	SF
Replace UV System	\$120,000	SF
Replace Primary Clarifier Railings	\$8,500	SF

2024-2025 Fiscal Year		
Project	Cost	Funding Source
Sewer Lining & Repair	\$25,000	SF

2025-2026 Fiscal Year		
Project	Cost	Funding Source
Sewer Lining & Repair	\$25,000	SF

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Sewer Lining and Repair		
Department	Wastewater	Funding Source	SF

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$25,000	\$100,000	\$25,000	\$25,000	\$25,000	\$25,000

Project Description and Location
Lining of sanitary sewers in the business district of US-12 and two blocks north and south of the business district. The north and south blocks are between East Street and West Street.

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 water or root infiltration.

Related Costs and Future Funding Needs
I have proposed \$25,000.00 per year for this project. I feel that it is necessary to continue funding this project on an annual basis so that additional sanitary sewers can be rehabilitated as the money is available. This is currently the easiest and most effective way to rehabilitate the sanitary sewer system without excavation.

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Pressure Filter Pump Repair		
Department	Wastewater	Funding Source	SF

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$32,000	-	-	-	-	-

Project Description and Location
<p>Rebuild two split case pumps that pump wastewater through the pressure filters</p>

Project Need and Impact
<p>These two pumps have been alternated weekly since 2005.</p>

Related Costs and Future Funding Needs

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Automatic Sampler Replacement		
Department	Wastewater	Funding Source	SF

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$9,000	-	-	-	-	-

Project Description and Location
<p>Replace one automatic sampler.</p>

Project Need and Impact
<p>The sampler that is located outside is no longer functional. We have made numerous repair attempts but the sampler only works a few months at a time. This sampler is located outside which is probably why it is not operating. We have been taking grab samples at this location; however, a composite sample is a better indication of pollutant removal in the primary clarifiers. We do not report these results to the State anymore, however, the results would be valuable for planning a future plant upgrade. This project could also be postponed if needed.</p>

Related Costs and Future Funding Needs
<p>The two other samplers are located inside and are working properly at this time but may need to be replaced in the 2023-2024 fiscal year according to the asset management plan.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Relocate Trickling Filter Flow Controls		
Department	Wastewater	Funding Source	SF

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$12,000	-	-	-	-	-

Project Description and Location
Relocate the trickling filter flow controls to the secondary pump building.

Project Need and Impact
These controls are currently located outside near the trickling filter pump station. The readouts on the meters are no longer visible. There is no reason that these controls should be located outside because all of the pump controls are located inside the secondary pump building.

Related Costs and Future Funding Needs

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Outside Door Replacement		
Department	Wastewater	Funding Source	SF

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	-	-	-	\$25,000	-	-

Project Description and Location
<p>Replace four sets of doors at the wastewater plant</p>

Project Need and Impact
<p>The four sets of doors were installed in the early 1970's. The doors and lintels will both need work. This project was highlighted in the Asset Management Plan. This project should be reviewed during the 2023-2024 budgeting process.</p>

Related Costs and Future Funding Needs
<p>The lintel replacement will involve some minor brick work.</p>

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	UV Disinfection System Replacement		
Department	Wastewater	Funding Source	SF

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	-	-	-	\$120,000	-	-

Project Description and Location	
Replacement of the UV disinfection system.	

Project Need and Impact
This system will be 20 years old and will be at the end of its useful life. This project was highlighted in the Asset Management Plan. This project should be carefully reviewed during the budget process to determine if it is actually necessary

Related Costs and Future Funding Needs
Additional engineering may be required for this project.

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Replace Primary Tank Railings		
Department	Wastewater	Funding Source	SF

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	-	-	-	\$8,500	-	-

Project Description and Location
Replacement of the hand railings around the primary clarifiers.

Project Need and Impact
These steel railings were installed in 1971 and are beginning to rust at the bottoms. They should be replaced with aluminum.

Related Costs and Future Funding Needs

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Water/Wastewater Lab Upgrade		
Department	Water/Wastewater	Funding Source	WF/SW

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$150,000	-	-	-	-	-

Project Description and Location

Replacement of laboratory furniture including cabinets, countertops and associated plumbing and electrical systems.

Project Need and Impact

This project would upgrade the lab at the wastewater plant. The lab furniture, cabinets, and countertops are beginning to show their age. This equipment was installed in the early 1970's and early 1980's. The lab not only performs analysis for the City of Jonesville but also for water and wastewater systems for most of the rest of the county. A lab design was commissioned during the 2019-2020 fiscal year and determined a cost of nearly \$150,00.00. This project was originally projected during this fiscal year, however if funding is not available at this time, it could be postponed.

Related Costs and Future Funding Needs

The design has been paid for. Associated costs were included in the \$150,000.00 range. This include bids documents, review and engineering oversight.

City of Jonesville
Capital Improvement Plan
 PROJECT DESCRIPTION

Project Title	Valve Addition at the Water Tower				
Department	Water Department	Funding Source	WF		

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Est. Cost	\$7,500	-	-	-	-	-

Project Description and Location
<p>We are currently unable to isolate the water tower without shutting down what was the irrigation building. The tower is being drained this summer for inspection by Utility Services. The tower will be down for a few days so it would be advisable to add a valve at that time.</p>

Project Need and Impact
<p>This will give us a way to isolate the tower without shutting down a customer.</p>

Related Costs and Future Funding Needs
<p>No further funding needed.</p>