



# Capital Improvement Plan



### Capital Improvement Summary

	2019	2020	2021	2022	2023
Municipal Building	\$479,000	\$276,000	\$27,000		\$77,000
Utility Administration Building	\$20,000	\$8,000	\$80,000		
Airport	\$4,227,158	\$385,000	\$493,000	\$465,850	\$485,000
Communications	\$50,000	\$70,000	\$730,000	\$50,000	\$50,000
Technology Center	\$250,000	\$300,000			
Community Development	\$177,500	\$275,000	\$275,000	\$275,000	\$275,000
Electric Distribution	\$4,337,500	\$4,687,500	\$4,707,500	\$807,500	\$475,000
Electric Generation	\$1,040,000	\$1,040,000	\$400,000	\$485,000	
Engineering	\$8,002,000	\$3,631,000	\$1,996,000	\$626,000	\$626,000
Fire	\$317,000	\$735,000	\$230,000	\$200,000	
Landfill/Solid Waste	\$900,000				
Police	\$74,217	\$92,691	\$92,691	\$92,691	\$92,691
Railroad	\$3,900,000	\$8,400,000	\$400,000	\$550,000	\$730,000
Streets	\$178,000	\$360,500	\$208,000	\$380,500	\$203,000
Water	\$5,254,425	\$2,186,483	\$5,942,721	\$1,006,013	\$995,993
Water Reclamation	\$2,975,050	\$4,728,229	\$1,199,575	\$4,699,575	\$1,299,575
<i>Total, Annual</i>	\$32,181,850	\$27,175,403	\$16,781,487	\$9,638,129	\$5,309,259
<b>TOTAL, 2019-2023</b>	<b>\$91,086,128</b>				



# Capital Improvement Plan 2019-2023

## Introduction

The Capital Improvement Program (CIP) is a plan for the City's capital investments over a five (5) year period. The CIP allows the City to forecast capital costs, funding, and timing for large projects. Each year the CIP is reviewed by the City Council within the context of ongoing city, county, and state planning, programs, and policies, as well as the City's planning documents (Strategic Plan, Comprehensive Plan, Economic Development Plan).

The current CIP includes five (5) years of projected capital expenditures; additionally, some projects extend beyond 2023 and would increase the total capital costs. This year of the Program (2019) is included in the FY2019 Budget. The CIP is updated each budget cycle with each CIP year adopted into the corresponding budget year.

### ***ORGANIZATION OF THE CIP***

The CIP's organization permits a comprehensive treatment of all pending capital projects. An executive summary provides total CIP budget information prior to the individual project descriptions. The major portion of the plan contains the individual project descriptions, organized categorically by department. Each project sheet contains information regarding the description, existing conditions, funding, benefits, and impact on operating costs of each project.

### ***FINANCING THE CIP***

The following funding sources may be used to finance a project in the CIP:

- ⇒ Enterprise Funds (Electric, Water, and Water Rec): These funds are the only enterprise fund or business-type activity of the City. They are used to account for all revenues and expenses of the City's utilities. They are primarily funded by charges for utility service. The majority of spending from these funds are used for operating expenses for supplying the City's services, but is also used for electric, water and water rec capital improvements and other related expenses.
- ⇒ Capital Projects Fund: This fund receives its revenue from the utility tax, motor fuel tax, sales tax, and grants. It is used to finance assets that have long useful lives such as land, buildings, major equipment, vehicles, and infrastructure.
- ⇒ Debt Financing: Various types of debt instruments can be used in order to finance some of the CIPs. Debt financing includes loans, general obligation bonds, revenue bonds, certificates of obligation and capital lease agreements.
- ⇒ Grants: Funding provided to the City by other governmental entities.
- ⇒ Asset Liquidation: The proceeds from the sale of assets being replaced that qualify as capital.

### ***MOVING FORWARD***

Key to ensuring the accuracy of a five-year CIP is reviewing and amending the CIP annually. An annual review and amendment allows the projections to become more accurate for the upcoming years, generally the following 2 years, and the project cost estimates to become more precise. It also allows for adjustments to be made should revenue projections fail to meet expectations or exceed said projections. This is a constant and evolving plan that sets goals five years into the future but consciously adjusts the plan as each year approaches in a way that makes the goals real and attainable. In summary, staff will never allow the fund balances to attain real negative balances in any impactful manner.



### ***SO WHAT IS A CAPITAL IMPROVEMENT?***

Most communities define capital improvements as major public expenditures, usually physical in nature, that include a depreciating asset valued over a determined amount. Local policies may specify the cost and useful life of qualified projects. For example, a small community may set minimum project costs at \$1,000 or \$2,500, while larger communities may set the threshold at \$10,000 or \$25,000. Expenditures below this level are considered "*operational*" and appear in the annual operating budget and not the CIP. The Government Finance Officers Association (GFOA) recommends a useful service life of at least three to five years, although this term may vary based on the specific asset.

Common categories of capital expenditures include:

1. Purchase of major equipment (*ex. dump truck, snow plow, computers*).
2. Acquisition of land for a public purpose (*ex. water plant, road improvement, fire station*).
3. Construction, expansion or major renovation of a public building or facility (*ex. water treatment plant, roads, sewage treatment plant, new electric line construction*).
4. Related planning, engineering, design, appraisal or feasibility costs (*ex. LEED certification, architectural fees*) required to complete one of the above project types.

### ***GOALS OF THE CIP***

The CIP is prepared according to two major goals:

1. To address the City's immediate and long-term capital needs, especially those related to:
  - a. Maintaining the existing infrastructure in order to protect the City's investments.
  - b. Expanding the tax base in a way that will benefit both current and future citizens.
  - c. Managing and encouraging orderly growth in compliance with the Comprehensive Plan.
  - d. Providing City services in the most efficient and safe manner.
  - e. Maintaining and improving the quality of life in a way that enhances the perception of the community by residents and potential investors.
2. To explore all feasible funding sources (as time and resources permit) in order to finance the City's capital needs. This includes external funding opportunities including, but not limited to, grants, loans, and other federal and state managed programs.

### ***FUNDING PRIORITIES***

Projects with the following characteristics are given priority for funding:

1. Public health and public safety – prevents or corrects a major or minor health or safety hazard
2. Legal requirement – clearly addresses a mandate by State or Federal law
3. Major deferred maintenance on existing infrastructure/facilities – lack of project will likely result in compounded repair costs in the future and/or materially disrupt the function of the facilities

**"Depreciation"** is an accounting method for allocating the cost of a tangible **asset** over its useful life. Businesses **depreciate** long-term **assets** for both tax and accounting purposes.



4. Economic development – directly increases net annual revenues and creates indirect community wealth, such as jobs, business retention, or increased commercial development
5. Operating budget impact – directly reduces operating costs or is eligible for outside funding sources
6. Extent of primary service area – serves the entire City
7. Relationship to other projects – completes a project that is already underway or advances the effectiveness of another project
8. Comprehensive and/or strategic plans or policies – is consistent with the City's existing long range plans
9. Equitable distribution – considers geographic, environmental and socio-economic balance
10. Joint use – combines two or more projects in the same site or facility resulting in immediate or future savings
11. Best practices – maintains the City's systems or facilities for delivering services and information to the public

### ***RELATIONSHIP OF THE CIP TO THE OPERATING BUDGET***

The operating budget and the CIP are closely related. When the City commits to a capital project, there is an associated long-range impact on operating funds. Most capital projects affect future operating budgets either positively or negatively by influencing maintenance costs or by providing capacity for new services to be offered. Such impacts vary widely from project to project and, as such, are evaluated individually during the process of assessing project feasibility.

### ***Capital Purchasing Policies***

When making capital purchases, the following requirements shall apply and additional City Council consideration or legislative approval shall not be required under these circumstances as legislative approval is inherently granted with the adoption of the CIP by the City Council:

1. The capital item shall be included, and budgeted for, in the adopted CIP;
2. The financial expenditure for the capital item shall be included in the corresponding budgeted year;
3. The requested financial expenditure shall be at or below the amount specified in the adopted CIP and budget. The purchase shall include the complete project cost including accessory equipment, and projects shall not be itemized separately to fit into the budgeted amount;
4. Selection of the capital item shall be required to follow the appropriate bidding procedures as currently adopted by the City Council.

### ***INFLATIONARY IMPACT AND ESTIMATES***

CIP projects are intended to be included in the annual budget in the appropriate years. Even so, because circumstances may change between the adoption of the CIP and the annual budget, CIP projects must be resubmitted as part of each department's annual capital improvement budget request. Funds for such projects are not available unless, and until, they are specifically included in the annual CIP and annual budget approved by the City Council. When needs outpace the resources available, projects may be deferred each year. Conversely, should projects come in under budget, opportunities may arise to move project schedules up accordingly.

In many cases, the completion of capital projects will impact a department's operating budget as completed projects require maintenance and upkeep. For example, some facilities may require utilities, such as electricity, water, and sewer, above current consumption levels. An impact may not be readily evident when projects are funded and constructed over several years. Consequently, the impacts of capital projects on the annual operating budget are estimated when available



and noted in the CIP under each project. Most projects will not have an operating impact in the year during which they are funded since this is typically the construction/installation phase. Additionally, if a project is a renovation which does not include expansion and the operating costs are already captured in the department’s annual operating budget, no additional operating costs will be listed.

<i>IMPACT</i>	<i>DEFINITION</i>
<i>Positive</i>	The project will either generate revenue to offset expenses or will actually reduce overall operating costs.
<i>Negligible</i>	The impact will be very small. It will generate less than \$10,000 per year in increased operating expenditures or savings.
<i>Slight</i>	The impact will be between \$10,000 and \$50,000 per year in increased operating expenditures.
<i>Moderate</i>	The impact will be between \$50,000 and \$100,000 per year in increased operating expenditures.
<i>High</i>	The project will increase operating expenditures by more than \$100,000 annually

The City Council of Rochelle is committed to the provision of infrastructure, facilities, and equipment needed to assure the delivery of quality public services that provide for the present and future well-being of the residents and visitors of the City of Rochelle. Capital projects will be funded and undertaken only in conformance with the terms of this policy.

1. **Capital Improvement Plan (CIP)**: Complete listing of all capital projects to be undertaken in a five year period. The CIP may include capital projects to be initiated within five years but completed after the end of the five year planning horizon. Projects that are projected to occur beyond the five year term will be identified for future consideration and planning purposes.
2. **CIP Purpose**: The purpose of the CIP is to systematically plan, schedule, and finance capital projects to ensure cost-effectiveness as well as conformance with these established policies. The CIP is a five year plan organized into the same functional groupings as the operating programs. The CIP will reflect a balance between capital replacement projects that repair, replace, or enhance existing capital assets and capital projects that significantly expand or add to the City’s existing fixed assets.
3. **CIP Term**: The CIP will cover projects for a period of five years. The CIP shall be reviewed annually to accommodate changing parameters based on finances available, need, condition, and operational considerations.
4. **CIP Projects**: Land improvements, buildings and building improvements, and infrastructure with costs greater than \$25,000 and an assigned depreciation life will be included in the CIP. Machinery, equipment, and vehicles with costs greater than \$5,000 and an assigned depreciation life will be included in the CIP. Minor capital outlays of less than \$5,000 will be included within the respective operating budget.
5. **CIP Amendment**: A change of the adopted capital improvement program that adds or deletes a project, modifies the total adopted budget of a project, or alters the approved scope of a project.
6. **Project Manager**: Every CIP project will have a project manager who will prepare the project proposal, ensure that the required phases are completed on schedule, authorize all project expenditures, ensure that all regulations and laws are observed, and periodically report on the project status.
7. **CIP Phases**: The CIP will emphasize project planning with projects progressing through at least two and up to ten of



the following phases:

- A. Designate: Designation of funds after approval of budget by Council.
  - B. Study: Concept design, site selection, feasibility analysis, schematic design, environmental determination, property appraisals, scheduling, grant application, grant approval, and/or specification preparation for equipment purchases
  - C. Environmental Review: EIR preparation and other environmental studies
  - D. Real Property Acquisitions: Property acquisition for projects if necessary
  - E. Site Preparation: Demolition, hazardous materials abatement, and other pre-construction work
  - F. Design: Final design, plan, and specification preparation and construction cost estimation
  - G. Construction: Construction contracts preparation and execution
  - H. Construction Management: Contract project management and inspection, soils and materials tests, and other support services during construction
  - I. Equipment Acquisitions: Vehicles, heavy machinery, computers, office furnishings, other equipment items acquired and installed independently from construction contracts
  - J. Debt Service: Installment payments of principal and interest for completed projects funded through financing. Expenditures for this project phase are included in the Debt Service section of the Financial Plan
9. **CIP Allocation:** The City's annual CIP allocations for study, design, acquisition, and/or construction is based on the projects designated by the Council through adoption of the CIP and the Budget. If project costs at the time of project completion are less than the budgeted amount, the balance will be returned to the fund balance and/or allocated to another project. If project costs at the time of bid award are greater than the projected budgeted amounts, five basic options are available:
- A. Eliminate the project.
  - B. Defer the project for consideration to the next Financial Plan period.
  - C. Re-scope or change the phasing of the project to meet the existing budget.
  - D. Transfer funding from another specified, lower priority project.
  - E. Appropriate additional resources as necessary from fund balance.

The City Council, under advisement of the City Manager, shall make the determination of which of the aforementioned options shall be pursued relative to the project.

10. **Program Objectives:** Project phases will be listed as objectives in the program narratives of the programs, which manage the projects.

### ***CAPITAL EXPENDITURES AND IMPROVEMENTS***

The City shall annually review and monitor the condition of the City's capital equipment and infrastructure, setting priorities for its replacement and renovation based on needs, funding alternatives and availability of resources.

#### **Capital Improvements Planning Program**

The City shall annually review the Capital Improvement Plan (CIP), the current status of the City's infrastructure, replacement and renovation needs and potential new projects and update the program as appropriate. All projects,



ongoing and proposed, shall be prioritized based on an analysis of current needs and resource availability. For every project, all operation, maintenance, and replacement costs shall be fully identified. The CIP shall also present the City's long-term borrowing plan, debt payment schedules, and other debt outstanding or planned general obligation bonds, revenue bonds, and certificates of obligation.

### **Replacement of City Vehicles**

- The City shall annually prepare a schedule for the replacement of its vehicles. Within the resources available each fiscal year, the City shall replace these assets according to this schedule.
- The general depreciation term for all vehicles is established at five (5) years. After those five years replacement should be implemented.
- Vehicles and heavy equipment that cost more than \$5,000 may be funded by one of the capital expenditure financing methods discussed below.

### **Capital Expenditures Financing**

The City recognizes that there are several methods of financing capital items. It can budget the funds from current revenues, take the funds from fund balance/working capital as allowed by the fund balance/working capital policy, utilize funds from grants, or it can borrow the money through some form of debt instrument. Debt financing includes general obligation bonds, revenue bonds, certificates of obligation and capital lease agreements.

### **Capitalization Threshold for Tangible Capital Assets**

The Government Finance Officers Association (GFOA) recommends that best practice guidelines be followed in establishing capitalization thresholds for tangible capital-type items. Accordingly, the following criteria shall be established with the adoption of this policy.

- Individual items costing more than \$5,000 or \$25,000 depending on the asset will be capitalized and depreciated according to Governmental Accounting Standards Board rules.
- Tangible capital-type items will only be capitalized if they have any estimated useful life of at least five (5) years following the date of acquisition.
- Capitalization thresholds will be applied to individual items rather than to groups of similar items (e.g., desks and tables).
- Adequate control procedures at the department level will be established to ensure adequate control over non-capitalized tangible items.



# Municipal Building Capital Improvement Projections



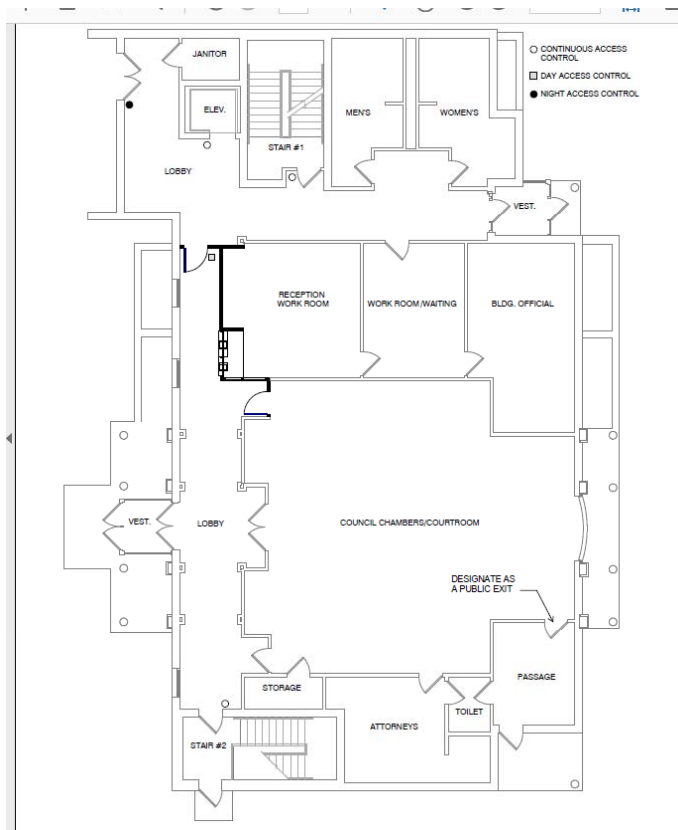


Municipal Administration Building Capital Projects					
	2019	2020	2021	2022	2023
Security improvements reception area	\$60,000				
Heating and cooling improvements	\$240,000				
Boiler upgrades	\$142,000				
Audio video upgrades council chambers	\$25,000	\$25,000			
Purchase electric or hybrid car	\$12,000				
RMU, City Manager & Mayor Relocation		\$165,000			
Handicap auto entrance doors or bollards		\$40,000			
Motion/occupancy sensors in offices		\$6,000			
Copier for reception area		\$10,000			
LED sign along 251		\$30,000			
Add insulation in PD ceiling			\$15,000		
Full kitchen near conference center			\$12,000		
Upgrade lighting to LED					\$77,000
<b>Total, Annual</b>					
	<b>\$479,000</b>	<b>\$276,000</b>	<b>\$27,000</b>		<b>\$77,000</b>
<b>TOTAL, 2019-2023</b>					
			<b>\$859,000</b>		



**Project Name:** Security improvements at city hall  
**Department:** Municipal Building  
**Project Description:** Remodel reception area and install pass through tray, new wall and door to increase safety at city hall.  
**Existing Condition:** Main entrance is open at all times to the public  
**Project Goals:** Provide additional security at city hall  
**Impacts:** Increase overall safety of our employees and visitors.  
**Funding Source:** 01-17-820 Municipal Building—Buildings

Total	2019	2020	2021	2022	2023	Beyond 2023
\$60,000	\$60,000					





**Project Name:** Heating and cooling improvements

**Department:** Municipal Building

**Project Description:** Upgrade HVAC controls and energy improvements in older portion of city hall

**Existing Condition:** Air handling units are past equipment life standards (including one with a ruptured heating coil), system is inefficient and lacks the ability to control needs by hour and day.

**Project Goals:** Overhaul Air Handling Units, replace condensing units on AHUs, add DDC controls, convert duct reheat to variable air volume.

**Impacts:** Increase efficiency and improve reliability of system, lower gas and electric costs and provide a more comfortable environment for our employees.

**Funding Source:** 01-17-820 Municipal Building-Buildings—Transfer from Landfill Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$240,000	\$240,000					





**Project Name:** Boiler replacement  
**Department:** Municipal Building  
**Project Description:** Remove and replace existing boiler  
**Existing Condition:** Existing 1940 boiler is estimated to be less than 50% efficient  
**Project Goals:** Replace boiler with 87.3% efficient replacement boiler, including controls integration  
**Impacts:** Increase efficiency, improve reliability, lower gas and electric costs and provide a more comfortable environment for our employees  
**Funding Source:** 01-17-820 Municipal Building– Buildings—Transfer from Landfill Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$142,000	\$142,000					





**Project Name:** Audio/video upgrades in council chambers

**Department:** Municipal Building

**Project Description:** Install new audio equipment including microphones, mixer and ceiling speakers. Install new video equipment including robotic cameras

**Existing Condition:** Audio equipment is outdated and video equipment is very limited

**Project Goals:** Upgrade audio equipment in council chambers for better quality and install video equipment that provides more viewing options

**Impacts:** Continue to maintain up-to-date, reliable equipment that meets the needs of our employees, council and the public.

**Funding Source:** 01-17-830 Municipal Building-Equipment

Total	2019	2020	2021	2022	2023	Beyond 2023
\$50,000	\$25,000	\$25,000				





**Project Name:** Municipal Car  
**Department:** Municipal Building / Utility Administration Building  
**Project Description:** Purchase electric or hybrid car  
**Existing Condition:** Staff utilizes a fire department van for travel in the area, when available  
**Project Goals:** Provide efficient, city owned transportation for staff day trips to meetings, etc.  
**Impacts:** Decrease mileage reimbursements, provide efficient option, promote efficiency to the public  
**Funding Source:** 01-17-830 Municipal Building-Equipment, Community Development and Utility Billing

Total	2019	2020	2021	2022	2023	Beyond 2023
\$12,000	\$12,000					

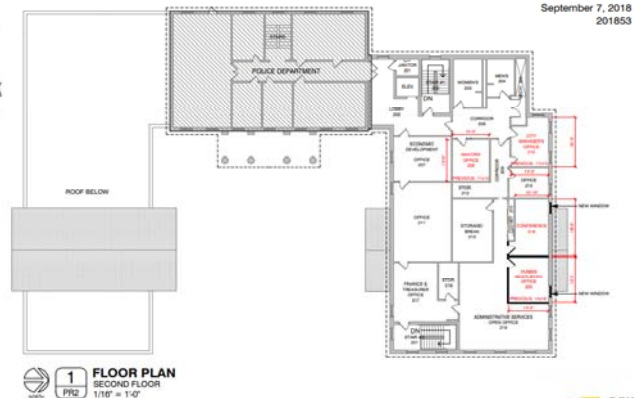
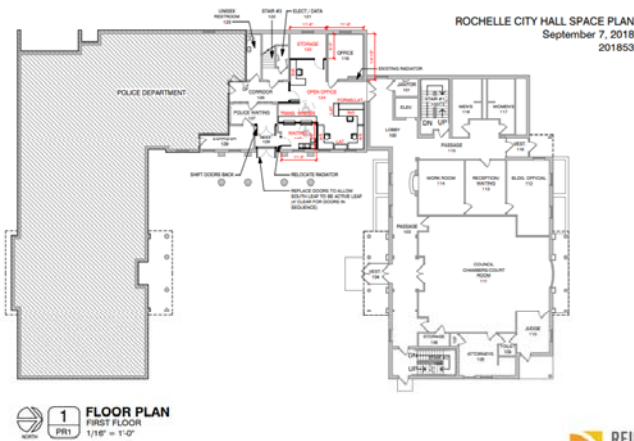
# HYBRID ELECTRIC VEHICLE





**Project Name:** RMU Customer Service, City Manager and Mayor Relocation  
**Department:** Municipal Building  
**Project Description:** Reconfigure 1st floor of city hall to house RMU Customer Service. Reconfigure 2nd floor of city hall to house Mayor and City Manager  
**Existing Condition:** RMU Customer Service is currently located at 333 Lincoln Highway  
**Project Goals:** Relocate RMU Customer Service near the Police Department and reconfigure 2nd floor to house Mayor and City Manager  
**Impacts:** Increase security for RMU Customer Service  
**Funding Source:** 01-17-820 Municipal Building– Buildings and RMU Admin

Total	2019	2020	2021	2022	2023	Beyond 2023
\$165,000		\$165,000				





**Project Name:** Auto Entrance Doors  
**Department:** Municipal Building  
**Project Description:** Install automatic doors, bollard or button to open doors at city hall and police entrances  
**Existing Condition:** Entrances are not handicap accessible  
**Project Goals:** Provide handicap accessible public access  
**Impacts:** Easier accessibility for visitors  
**Funding Source:** Municipal Building 01-17-820-Buildings

Total	2019	2020	2021	2022	2023	Beyond 2023
\$40,000		\$40,000				





**Project Name:** Motion/occupancy sensors in city hall  
**Department:** Municipal Building  
**Project Description:** Install motion/occupancy sensors in city hall offices and conference rooms for HVAC control  
**Existing Condition:** Heating and air conditioning levels remain the same throughout the day whether a room is occupied or not.  
**Project Goals:** Install motion/occupancy sensors in city hall offices and conference rooms so that heating and air conditioning is reduced when rooms are not in use.  
**Impacts:** More efficient use of energy  
**Funding Source:** 01-17-820 Municipal Building—Buildings

Total	2019	2020	2021	2022	2023	Beyond 2023
\$6,000		\$6,000				





**Project Name:** City hall reception copier  
**Department:** Municipal Building  
**Project Description:** Purchase new copier for city hall reception area  
**Existing Condition:** Existing copier was purchased in 2013  
**Project Goals:** Maintain reliable equipment for copying, scanning and faxing  
**Impacts:** Maintain staff efficiency and productivity by providing reliable equipment  
**Funding Source:** 01-17-830 Municipal Building - Equipment

Total	2019	2020	2021	2022	2023	Beyond 2023
\$10,000		\$10,000				





**Project Name:** LED sign  
**Department:** Municipal Building  
**Project Description:** Purchase and install LED sign along IL 251  
**Existing Condition:** No sign exists  
**Project Goals:** Install LED sign adjacent to IL 251 to communicate with the public.  
**Impacts:** Provide another mechanism for communicating with our citizens and visitors to our community.  
**Funding Source:** 01-17-890 Municipal Building-Other Improvements and Hotel/Motel Taxes

Total	2019	2020	2021	2022	2023	Beyond 2023
\$30,000		\$30,000				





**Project Name:** Insulation in PD ceilings to R30  
**Department:** Municipal Building  
**Project Description:** Install additional insulation in PD ceilings with the goal of R30  
**Existing Condition:** Due to age of building, limited insulation exists  
**Project Goals:** Improve energy efficiency  
**Impacts:** Lower gas and electric costs, improve comfort for employees  
**Funding Source:** 01-17-820 Municipal Building-Buildings

Total	2019	2020	2021	2022	2023	Beyond 2023
\$15,000			\$15,000			



**Project Name:** City Hall kitchen  
**Department:** Municipal Building  
**Project Description:** Install full kitchen adjacent to conference center  
**Existing Condition:** Currently limited countertop, bar size sink and refrigerator exist. Without a stove, it is difficult to prepare any food and the bar size sink makes cleanup a problem.  
**Project Goals:** Increase the use of the kitchen by employees and for meetings  
**Impacts:** Better utilization of existing space for meetings and employees  
**Funding Source:** 01-17-820 Municipal Building-Buildings

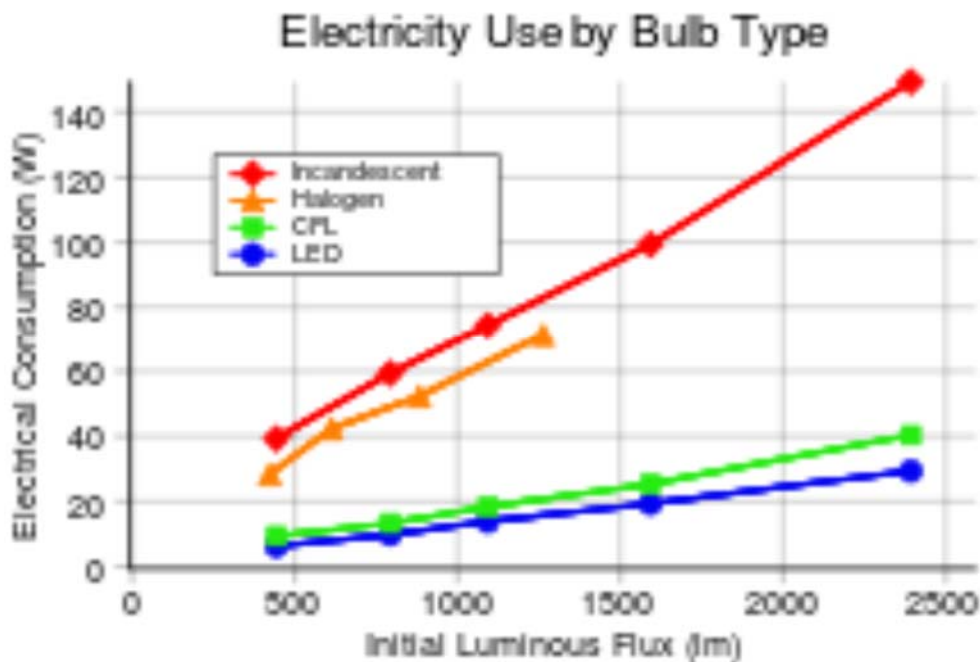
Total	2019	2020	2021	2022	2023	Beyond 2023
\$12,000			\$12,000			





**Project Name:** Update lighting to LED  
**Department:** Municipal Building  
**Project Description:** Update existing lighting in police department and city hall to LED  
**Existing Condition:** T8 lights installed in city hall 2013, police department 2011 or prior  
**Project Goals:** Increase energy efficiency and lifespan of bulbs, decrease labor costs to replace  
**Impacts:** Lower electric bills and fewer man hours to replace bulbs  
**Funding Source:** Municipal Building 01-17-820– Buildings

Total	2019	2020	2021	2022	2023	Beyond 2023
\$77,000					\$77,000	



# Utility Admin Building Upgrades Capital Improvement Projections





Utility Administration Building Capital Projects					
	2019	2020	2021	2022	2023
HVAC Replacement (1 unit)	\$8,000				
HVAC Replacement (1 unit)		\$8,000			
Roof Replacement			\$80,000		
Purchase electric or hybrid car	\$12,000				
<b>Total, Annual</b>					
	<b>\$20,000</b>	<b>\$8,000</b>	<b>\$80,000</b>		
<b>TOTAL, 2019-2023</b>					
	<b>\$108,000</b>				





**Project Name:** HVAC Replacements  
**Department:** Utility Administration Building  
**Project Description:** Replace 2 HVAC units  
**Existing Condition:** Units are over 20 years old. One unit has been repaired multiple times and continues to need repairs. Both units are not energy efficient.  
**Project Goals:** Replace both units before 2021.  
**Impacts:** Reduce energy usage and provide heat/air to building.  
**Funding Source:** Electric Fund and General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$16,000	\$8,000	\$8,000				





**Project Name:** Roof Replacement  
**Department:** Utility Administration Building  
**Project Description:**  
**Existing Condition:** Roof is over 20 years old. Have 2 leaks which were patched in 2018. Shingles have reached expected lifespan.  
**Project Goals:** Replace roof on entire building.  
**Impacts:**  
**Funding Source:** Electric Fund and General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$80,000			\$80,000			





**Project Name:** Municipal Car  
**Department:** Municipal Building / Utility Administration Building  
**Project Description:** Purchase electric or hybrid car  
**Existing Condition:** Staff utilizes a fire department van for travel in the area, when available  
**Project Goals:** Provide efficient, city owned transportation for staff day trips to meetings, etc.  
**Impacts:** Decrease mileage reimbursements, provide efficient option, promote efficiency to the public  
**Funding Source:** 01-17-830 Municipal Building-Equipment, Community Development and Utility Billing

Total	2019	2020	2021	2022	2023	Beyond 2023
\$12,000	\$12,000					

# HYBRID ELECTRIC VEHICLE





# Airport Capital Improvement Plan



Airport Department Capital Projects					
	2019	2020	2021	2022	2023
Runway Rehabilitation	\$2,250,000				
Rehabilitate Existing Ramp, Phase II	\$1,500,000				
Rehabilitate Access Taxi Ways	\$477,158				
Fuel Cabinets			\$70,000		
Replace 4 Hangers		\$385,000	\$423,000	\$465,850	\$ 485,000
<b>Total, Annual</b>					
	<b>\$4,227,158</b>	<b>\$385,000</b>	<b>\$493,000</b>	<b>\$465,850</b>	<b>\$485,000</b>
<b>TOTAL, 2019-2023</b>					
	<b>\$6,056,008</b>				





**Project Name:** Runway Rehabilitation  
**Department:** Airport  
**Project Description:** Grind off 1"-2" of current surface, replace with asphalt and repaint  
**Existing Condition:** Surface is in poor condition and degrading, surface debris can cause propeller and jet engine damage  
**Project Goals:** Aircraft safety  
**Impacts:** Eliminate liability and improve airport appearance  
**Funding Source:** IDOT Tips program funds 95% of project. A local 5% match is required.

Total	2019	2020	2021	2022	2023	Beyond 2023
\$2,250,000	\$2,250,000					





**Project Name:** Rehabilitate Existing Ramp, Phase II  
**Department:** Airport  
**Project Description:** Tear out asphalt and replace with concrete  
**Existing Condition:** Poor  
**Project Goals:** Improve surface to allow parking of heavier aircraft  
**Impacts:** Better conditions to accommodate corporate aircraft  
**Funding Source:** IDOT Tips program funds 95% of project. A local 5% match is required.

Total	2019	2020	2021	2022	2023	Beyond 2023
\$1,500,000	\$1,500,000					





**Project Name:** Rehabilitate Access Taxi Ways  
**Department:** Airport  
**Project Description:** Rehabilitate Pavements with replacement of paved surface, repair subbase as needed  
**Existing Condition:** Poor  
**Project Goals:** Improve surface to allow safe taxiing for tenants  
**Impacts:** Improve service for airport users  
**Funding Source:** IDOT Tips program funds 95% of project. A local 5% match is required.

Total	2019	2020	2021	2022	2023	Beyond 2023
\$477,158	\$477,158					





**Project Name:** Replace Fuel Cabinets  
**Department:** Airport  
**Project Description:** The City of Rochelle owns refurbished fuel cabinets that require installation  
**Existing Condition:** Aging fuel pumps are inefficient  
**Project Goals:** Replace current pumps with refurbished fuel cabinets  
**Impacts:** Efficient pumping and ability to serve jets with single point fueling systems  
**Funding Source:** General Fund—Capital Improvement Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$70,000			\$70,000			





**Project Name:** Replace 4 Hangars  
**Department:** Airport  
**Project Description:** Replace row A to D hangars  
**Existing Condition:** Poor, hangars are approximately 50 years old beyond repair  
**Project Goals:** Upgrade hangars to generate more revenue and improve aircraft security  
**Impacts:** Attract higher paying tenants who utilize more airport services  
**Funding Source:** General Fund—Capital Improvement Fund  
 Potential grants are being sought

Total	2019	2020	2021	2022	2023	Beyond 2023
\$1,758,850		\$385,000	\$423,000	\$465,850	\$485,000	



# Communications & Technology Center Capital Improvement Projections





**Communications Department Capital Projects**

	2019	2020	2021	2022	2023
Fiber Upgrade/Switches/Routers	\$50,000	\$70,000	\$50,000	\$50,000	\$50,000
Fiber to the Home					
Network Admin/City wide software			\$500,000		
Redundant Fiber			\$180,000		
<b>Total, Annual</b>					
	<b>\$50,000</b>	<b>\$70,000</b>	<b>\$730,000</b>	<b>\$50,000</b>	<b>\$50,000</b>
<b>TOTAL, 2019-2023</b>					
	<b>\$950,000</b>				

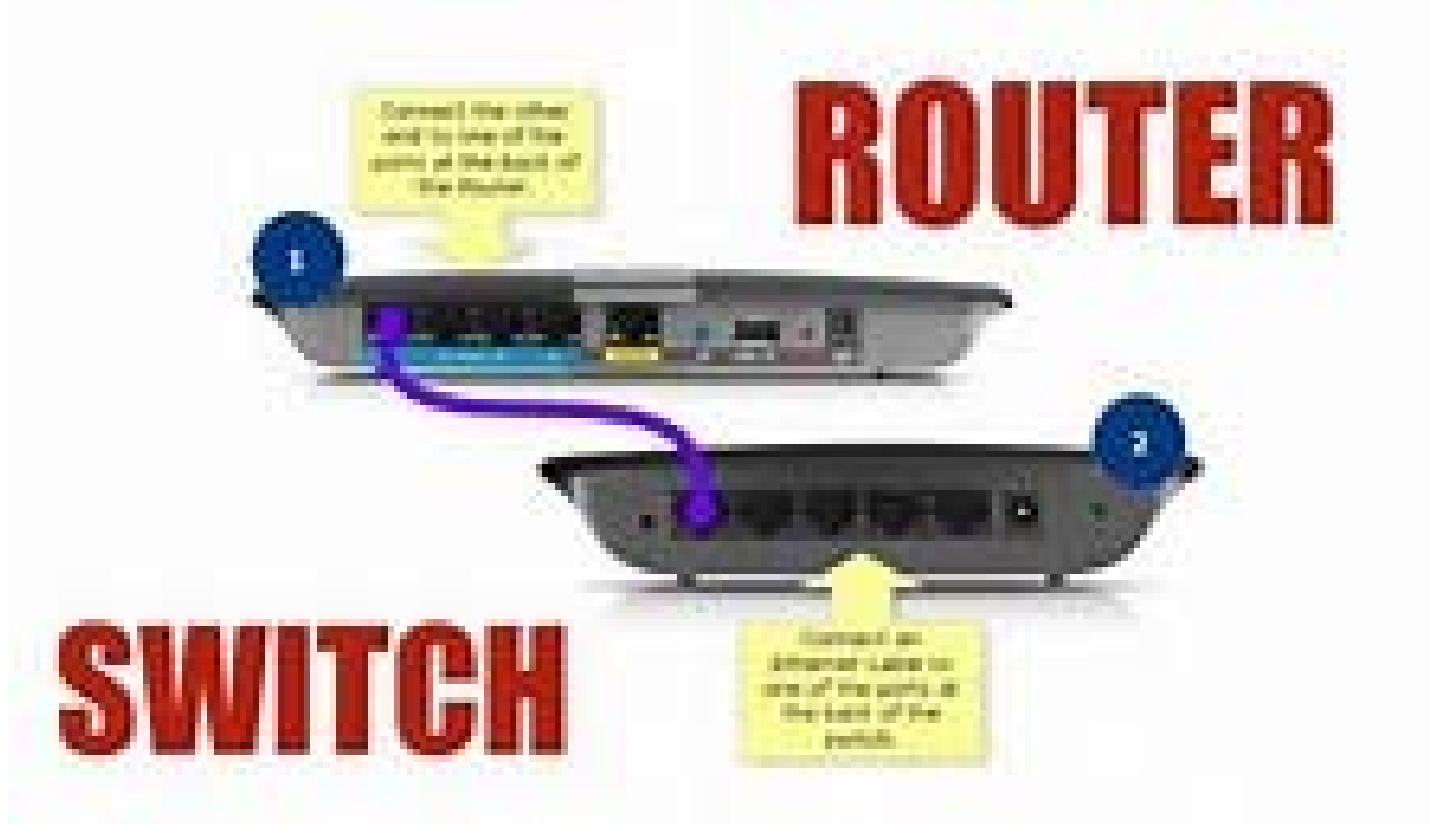
**Technology Center Capital Projects**

	2019	2020	2021	2022	2023
Power Distribution Unit	\$250,000				
Raise Floor DC		\$300,000			
<b>Total, Annual</b>					
	<b>\$250,000</b>	<b>\$300,000</b>			
<b>TOTAL, 2019-2023</b>					
	<b>\$550,000</b>				



**Project Name:** Fiber Upgrade  
**Department:** Communications & Technology Center  
**Project Description:** Replace switches and routers  
**Existing Condition:** Some of the switches and Routers have been in place for several years  
**Project Goals:** Purchasing new switches and routers to provide a giga bit of bandwidth to our customers  
**Impacts:** Provide high speed and reliable communications services  
**Funding Source:** Communication Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$270,000	\$50,000	\$70,000	\$50,000	\$50,000	\$50,000	





**Project Name:** Power Distribution Unit  
**Department:** Communications & Technology Center  
**Project Description:** Remove the battery system that has not been used  
**Existing Condition:** Has never been used  
**Project Goals:** Create more room to have additional servers space  
**Impacts:** Create more room for additional servers creating more revenue  
**Funding Source:** Communication Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$250,000	\$250,000					

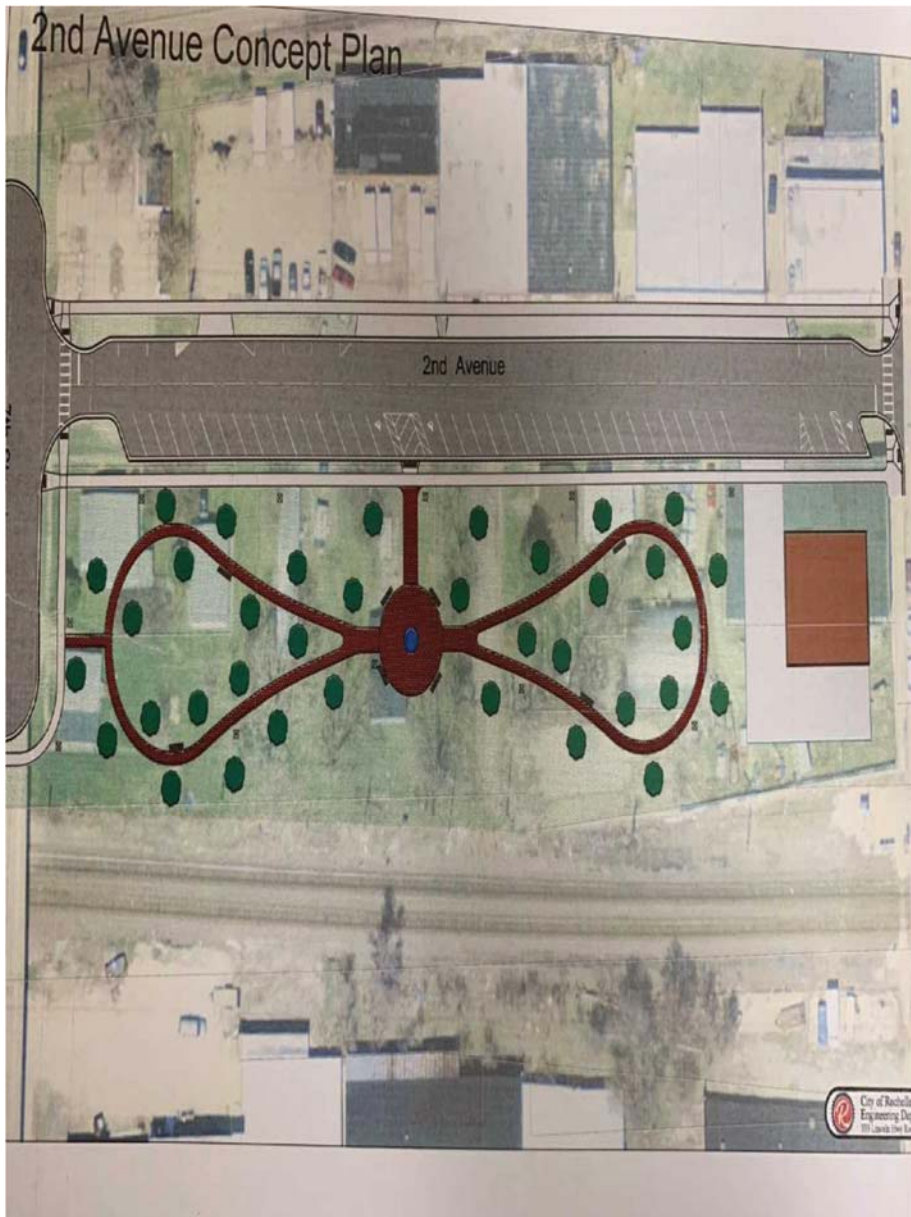


# Community Development Property Acquisition: Addressing Blight & Vacancies Capital Improvement Projections





Property Acquisition					
	2019	2020	2021	2022	2023
Property Acquisition	\$102,500	\$200,000	\$200,000	\$200,000	\$200,000
Demolition	\$50,000	\$75,000	\$75,000	\$75,000	\$75,000
Site Preparation	\$25,000				
<b>Total, Annual</b>	<b>\$177,500</b>	<b>\$275,000</b>	<b>\$275,000</b>	<b>\$275,000</b>	<b>\$275,000</b>
<b>TOTAL, 2019-2023</b>	<b>\$1,277,500</b>				





**Project Name:** Community Development Property Acquisition: Addressing Community Blight & Vacancies  
**Department:** Community Development  
**Project Description:** Several privately owned properties will be acquired and demolished to address blight.  
**Project Goals:** To address blight and vacancies in our community.  
**Impacts:** Enhance aesthetics, increase property redevelopment and property values.  
**Funding Source:** Downtown & Southern Gateway TIF

Total	2019	2020	2021	2022	2023	Beyond 2023
\$1,277,500	\$177,500	\$275,000	\$275,000	\$275,000	\$275,000	



# Electric Department Capital Improvement Projections





### Electric Distribution Capital Projects

	2019	2020	2021	2022	2023
Electric Meter Replacement	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Street/Security Light Replacement	\$72,500	\$72,500	\$72,500	\$72,500	\$50,000
Overhead Distribution Replacement	\$200,000	\$150,000	\$150,000	\$150,000	\$150,000
Underground Distribution Replacement	\$200,000	\$125,000	\$125,000	\$125,000	\$125,000
Coordination of the System	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Outage Management system	\$150,000	\$150,000	\$150,000		
Downtown Revitalization	\$100,000	\$100,000	100,000	\$100,000	
Cyber security Assessment	\$50,000				
Server replacement for GIS	\$15,000				
Substation	\$50,000	\$4,000,000	\$4,000,000	\$50,000	\$50,000
New Bucket Truck/Equipment Replacement	\$250,000	\$30,000	\$50,000	\$250,000	\$40,000
Light up Navajo	\$190,000				
Mightyvine	\$3,000,000				
<b>Total, Annual</b>	<b>\$4,337,500</b>	<b>\$4,687,500</b>	<b>\$4,707,500</b>	<b>\$807,500</b>	<b>\$475,000</b>
<b>TOTAL, 2019-2023</b>	<b>\$15,015,000</b>				

### Electric Generation Capital Projects

	2019	2020	2021	2022	2023
LSV—16 GDT			\$150,000		
Silencers Cat 13-15	\$60,000				
LSV Engine Control Panel	\$850,000			\$250,000	
New Pick up	\$30,000			\$35,000	
Nordberg Units Upgrades/Main Rod Bearing		\$740,000		\$200,000	
Diesel Plant Fuel Tank Removal		\$100,000			
Diesel Plant Oil Filtration	\$100,000				
Diesel Plant Removal of Units 2 and 5			\$250,000		
Peaker Plant Siemens Controller		\$200,000			
<b>Total, Annual</b>	<b>\$1,040,000</b>	<b>\$1,040,000</b>	<b>\$400,000</b>	<b>\$485,000</b>	
<b>TOTAL, 2019-2023</b>	<b>\$2,965,000</b>				



**Project Name:** Electric Meter Replacement  
**Department:** Electric Department  
**Project Description:** Continue to purchase meters that are solid state and can provide two way communications  
**Existing Condition:** We have about 95% of our meters converted to solid state  
**Project Goals:** This will be an ongoing project, as meters go bad and as we continue to grow we will need to purchase the meters  
**Impacts:** This will allow us along with our OMS to provide better service to customers. Real time out age, voltage and trouble shooting with our customers.  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$50,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	





**Project Name:** Street Lights Replacements LED  
**Department:** Electric Department  
**Project Description:** Replace old street lights with LED lighting  
**Existing Condition:** Old lighting is a higher cost and higher maintenance  
**Project Goals:** To have all street lights changed to LED with 5 years  
**Impacts:** Lower our cost and lower our maintenance cost  
**Funding Source:** CIP—Electric Revenue

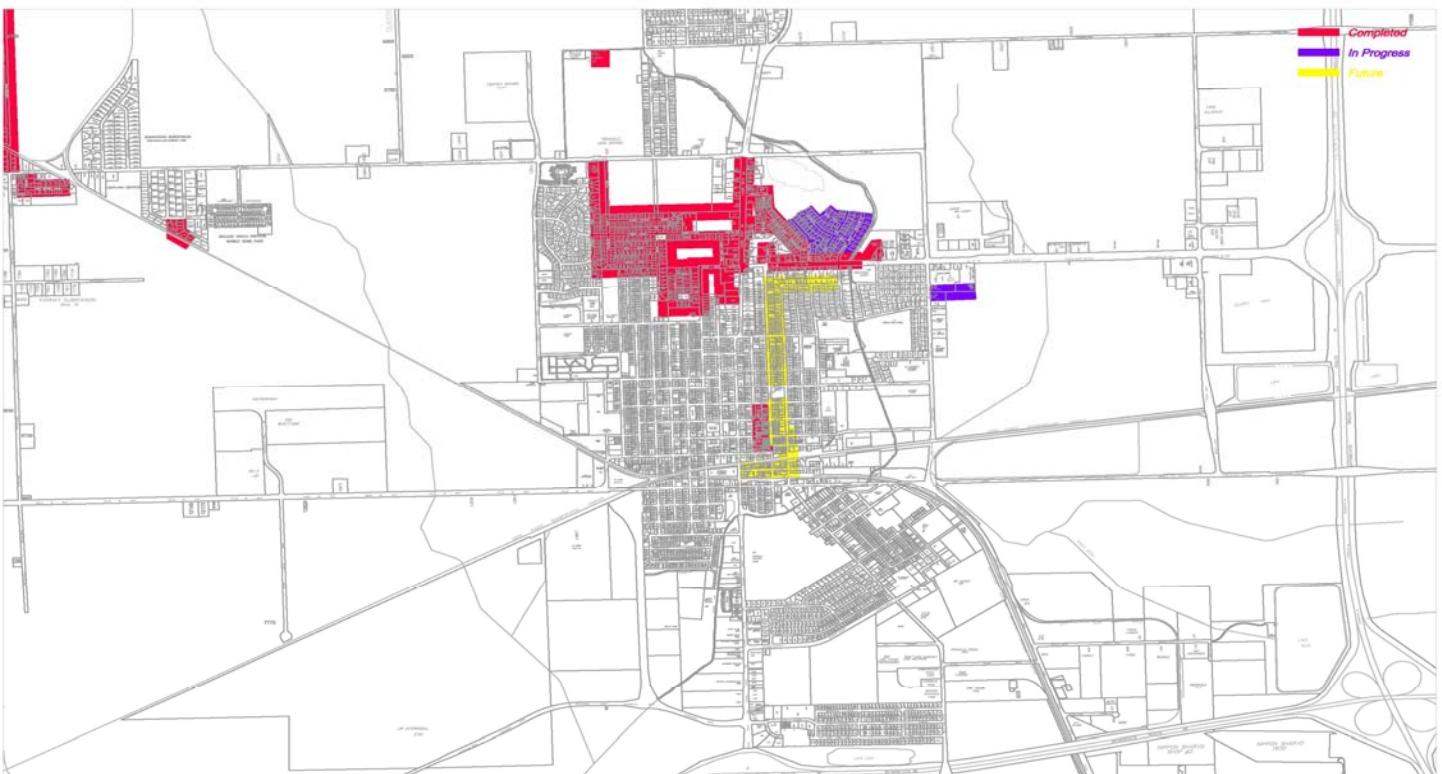
Total	2019	2020	2021	2022	2023	Beyond 2023
\$340,000	\$72,500	\$72,500	\$72,500	\$72,500	\$50,000	





**Project Name:** Overhead Distribution/Transformers  
**Department:** Electric Department  
**Project Description:** Rebuild old lines and new lines as the system continues to grow  
**Existing Condition:** We maintain 270 miles of Overhead and underground distribution system, some of which was installed in the 40's and 50's. These lines need to be replaced with bigger poles and wires.  
**Project Goals:** The goal is to continue to replace and build our system out without having to raise rates on our customers.  
**Impacts:** Doing this our hopes are to provide a better and more reliable distribution system to the customers on it.  
**Funding Source:** CIP—Electric Revenue

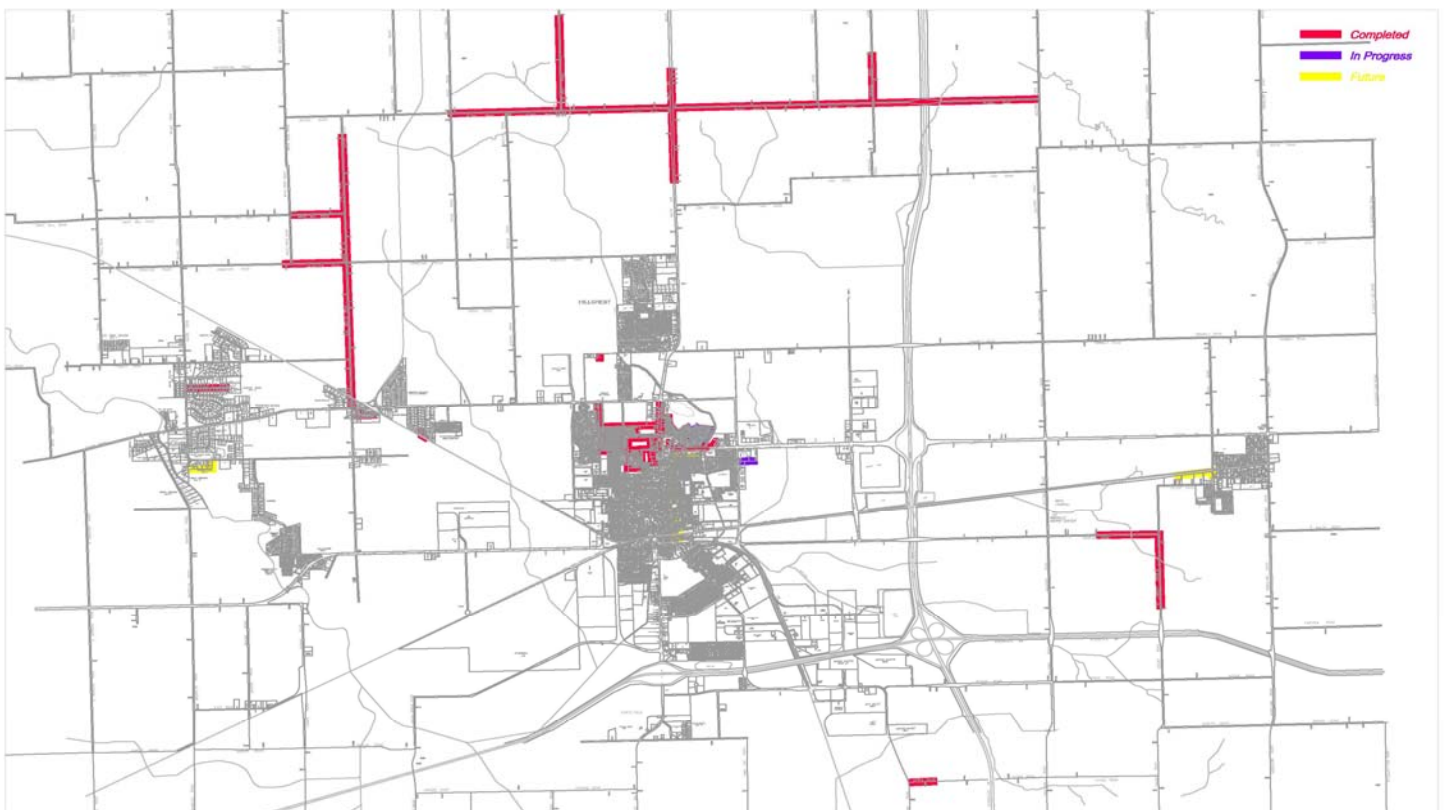
Total	2019	2020	2021	2022	2023	Beyond 2023
\$800,000	\$200,000	\$150,000	\$150,000	\$150,000	\$150,000	





**Project Name:** Underground Distribution  
**Department:** Electric Department  
**Project Description:** We have several areas in our service area that the underground is direct buried and it has run past its life expectancy, 2018 we had several locations that the underground went bad and needed emergency repairs.  
**Existing Condition:** Existing condition is poor on the old underground  
**Project Goals:** Goal is complete about two miles of new underground to replace the old underground  
**Impacts:** Increase reliability as all new underground will be bored in and inside a conduit.  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$700,000	\$200,000	\$125,000	\$125,000	\$125,000	\$125,000	





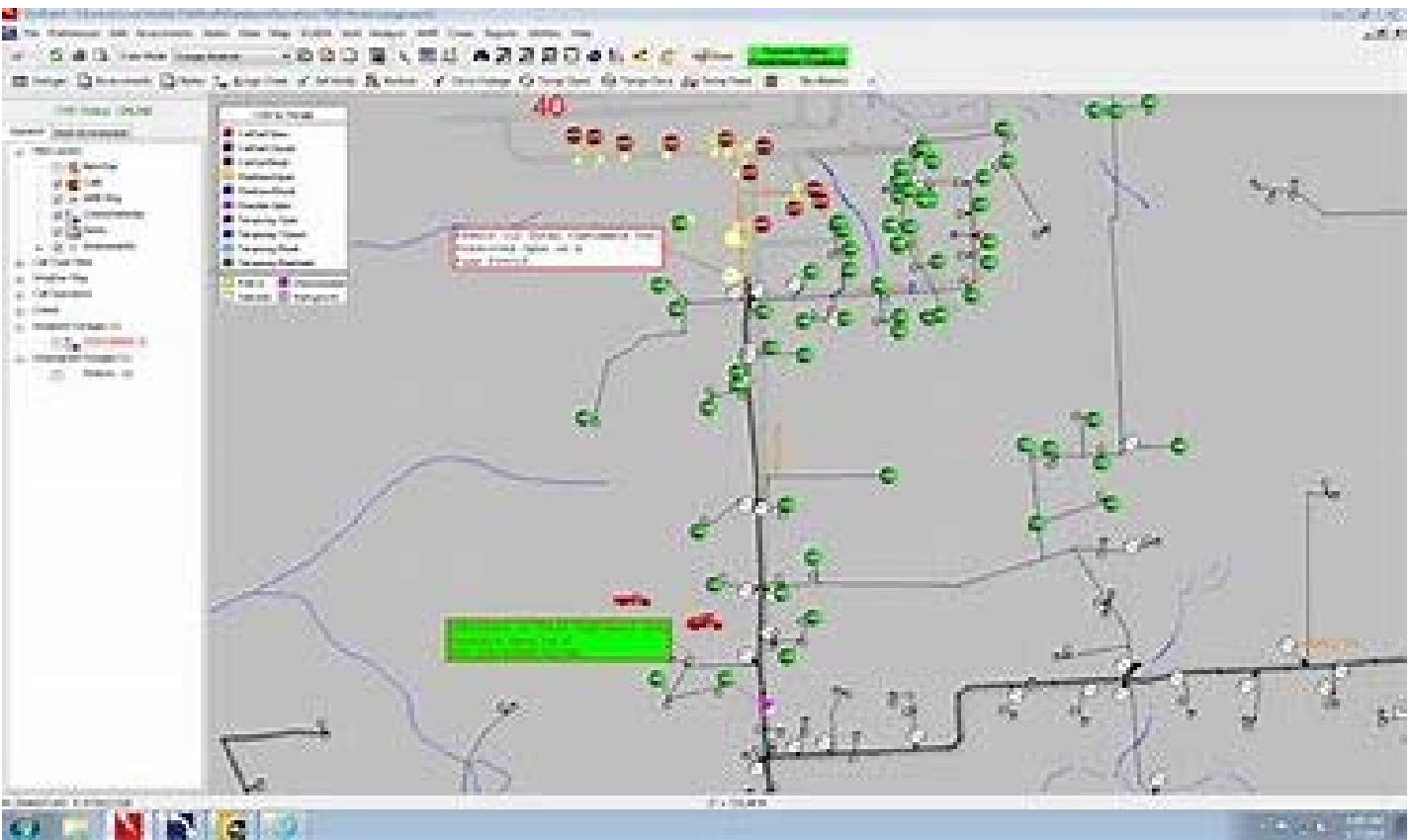
**Project Name:** Coordination of the distribution system  
**Department:** Electric Department  
**Project Description:** Continue to place trip savers on our single phase lines to increase reliability  
**Existing Condition:** We have some locations done and will continue to put trip savers up and do a fusing coordination downstream of those devices.  
**Project Goals:**  
**Impacts:** Increase reliability and eventually have these devices put into our SCADA system for better information for the field crews  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$250,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	



**Project Name:** Outage Management System  
**Department:** Electric Department  
**Project Description:** Continue to build on the outage management system that was bought during the 2018 budget, add new features  
**Existing Condition:** Currently we are getting real time outages and able to notify the field crews  
**Project Goals:** Eventually to have a system in place that will give outage notifications, voltage issues, predict electric problems and weak spots in the system and notify the customers when the problems are resolved.  
**Impacts:** Better communications with the customers, be information for the crews, quicker information.  
**Funding Source:** CIP—Electric Revenue

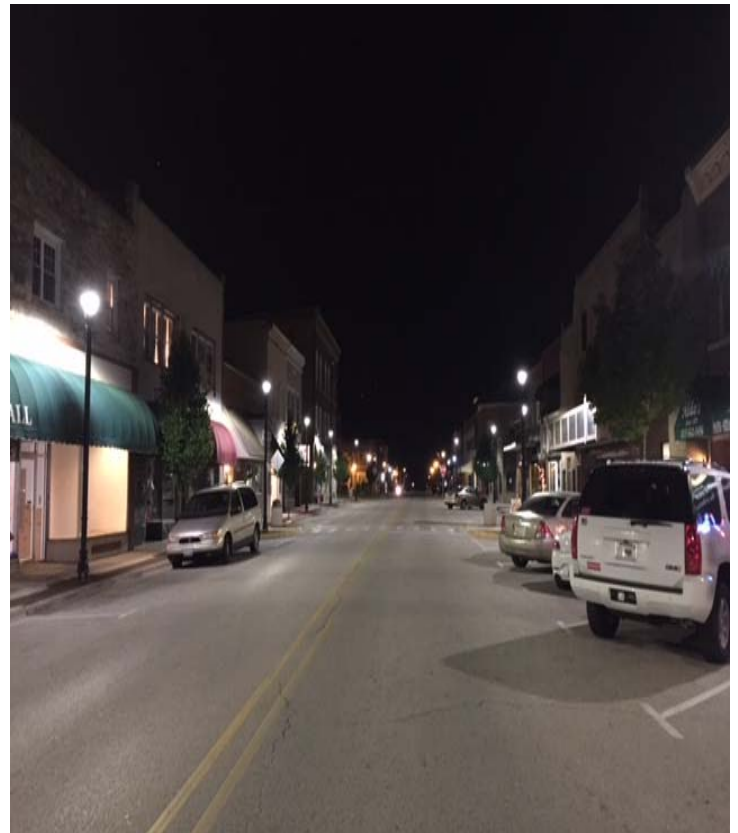
Total	2019	2020	2021	2022	2023	Beyond 2023
\$450,000	\$150,000	\$150,000	\$150,000			





**Project Name:** Downtown Project  
**Department:** Electric Department  
**Project Description:** Continue to replace the old streetlights downtown to the new ones that meet the new branding established by the committee  
**Existing Condition:** Currently we did 45 street lights on Lincoln Highway.  
**Project Goals:** Purchase another 50 or so lights and get the next phase done.  
**Impacts:** Make the Downton look more friendlier and nice  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$400,000	\$100,000	\$100,000	\$100,000	\$100,000		





**Project Name:** Cyber security Assessment  
**Department:** Electric Department  
**Project Description:** To do all that we can do to make sure our electric infrastructure is secure and prevent as much as possible the possibility of it being hacked into.  
**Existing Condition:** Needs to be done  
**Project Goals:** Secure our critical assets, such as generation, SCADA and relays  
**Impacts:** We would increase the safety of our system and help prevent any issue with the BES  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$50,000	\$50,000					



*“You may want to look into getting a better cybersecurity system. I don’t think that sign will be enough.”*



**Project Name:** Server for GIS  
**Department:** Electric Department  
**Project Description:** Replace the old server that is outdated since 2016  
**Existing Condition:** Slow  
**Project Goals:** Improve the speed of the GIS  
**Impacts:** Improve the speed of work by employees and help with faster information that is linked to our OMS  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$15,000	\$15,000					



**Project Name:** Substation  
**Department:** Electric Department  
**Project Description:** Basic Improvements of the substations, oil samples, relay testing, etc  
**Existing Condition:** Good these are required testing and we have them on a good cycle  
**Project Goals:** Maintain the substation so we can get a good life out of them  
**Impacts:** Increase reliability for our customers  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$8,150,000	\$50,000	\$4,000,000	\$4,000,000	\$50,000	\$50,000	





**Project Name:** Replace 2006 Digger Truck  
**Department:** Electric Department  
**Project Description:**  
**Existing Condition:** Poor  
**Project Goals:** Improve our fleet vehicles  
**Impacts:** Hopefully keep our trucks on the job vs the shop  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$620,000	\$250,000	\$30,000	\$50,000	\$250,000	\$40,000	





**Project Name:** Light up Navajo  
**Department:** Electric Department  
**Project Description:** Provide assistance to another Public Utility  
**Existing Condition:**  
**Project Goals:**  
**Impacts:** Pride in our Utility  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$190,000	\$190,000					





**Project Name:** Mightyvine Phase 3/4  
**Department:** Electric Department  
**Project Description:** Build a new feeder to Mightyvine for phase 3/4  
**Existing Condition:** There is not enough capacity on the feeders currently in that location.  
**Project Goals:** Provide a new feeder to Mightyvine to meet the growth that they will have.  
**Impacts:** This will increase our load by 8-9 MW  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$3,000,000	\$3,000,000					





**Project Name:** Silencers CATs  
**Department:** Electric Department  
**Project Description:** Replace the muffler and have the muffler after the catalyst, old ones were before the catalyst.  
**Existing Condition:** This will preventing of plugging the catalyst and increase capacity of units.  
**Project Goals:** Increase consistency and capacity, the units will run more efficient.  
**Impacts:** Hopefully increase the lifetime of the units.  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$60,000	\$60,000					





**Project Name:** LSV Engine Control Panel  
**Department:** Electric Department  
**Project Description:** Replace the old control panel that was installed in 1957, this is on unit 10  
**Existing Condition:** Old and barely getting by  
**Project Goals:** Eventually automate the units  
**Impacts:** Increase the lifetime of the units to provide back up power as well as peak shaving. Peak shaving saved our rate payers last year 3.2 million dollars.  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$1,100,000	\$850,000			\$250,000		





**Project Name:** New Pick up  
**Department:** Electric Department  
**Project Description:** Replace 2003 pick up  
**Existing Condition:** Old  
**Project Goals:** Continue to maintain our fleet so our trucks are on the street and not in a shop  
**Impacts:** NA  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$65,000	\$30,000			\$35,000		





**Project Name:** Diesel Plant Oil Filtration  
**Department:** Electric Department  
**Project Description:** Replace the old 1952 Oil Filtration system, this will provide cleaner oil going into our units  
**Existing Condition:** Old and needs to be replaced  
**Project Goals:** Increase the efficiency of the units  
**Impacts:** Increase production and maintain the units to provide back-up generation and peak shaving  
**Funding Source:** CIP—Electric Revenue

Total	2019	2020	2021	2022	2023	Beyond 2023
\$100,000	\$100,000					



# Engineering Department Capital Improvement Projects





### Engineering Department Capital Improvement Projects

	2019	2020	2021	2022	2023
South Main Street Ph1—Steam Plant to Steward Rd	\$3,600,000	\$150,000			
7th Avenue bridge replacement	\$1,180,000	\$150,000			
Annual sidewalk and pedestrian path improvements	\$300,000	\$250,000	\$200,000	\$150,000	\$150,000
Steward Rd widening and resurfacing improvements (east of Loves Dev)	\$450,000				
Rochelle Golf Course parking lot	\$67,000				
Sidewalk—SRTS 10th Ave/2nd St Sec#12-00113-00SW May School	\$355,000	\$200,000			
Annual Seal Coat Street surface treatments	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
General Maintenance of streets, sidewalks, storm sewer, drainage structures & systems	\$75,000	\$100,000	\$125,000	\$75,000	\$75,000
Other street and alley improvements	\$180,000	\$150,000	\$120,000	\$100,000	\$100,000
2nd Avenue street improvements west of Washington Street to overpass		\$200,000	\$450,000		
2nd Ave, S 12th to 14th St, urbanization & recon	\$590,000	\$150,000			
4th Avenue downtown storm sewer, drainage improvements and street restoration	\$200,000	\$690,000	\$150,000		
N. 14th Street drainage improvements and street restoration		\$100,000	\$380,000		
Downtown parking lot rehabilitation		\$170,000	\$170,000		
Dement Road overpass approach/pavement rehabilitation & drainage culvert improvement	\$130,000	\$110,000			
Downtown Project splash pad & gathering area	\$250,000	\$900,000	\$151,000	\$151,000	\$151,000
Traffic signalization & other intersection improvements at IL Rte 251/Steward Rd	\$125,000	\$125,000	\$100,000		
Shared Path Rochelle Golf Course Rte 251 (PH1)	\$140,000				
Engineering vehicle new pick up		\$36,000			
5th Ave. Rte 251 to Lincoln/6th St, 5th Ave to 4th Ave resurfacing sidewalk ramps	\$210,000				
<b>Total, Annual</b>	<b>\$8,002,000</b>	<b>\$3,631,000</b>	<b>\$1,996,000</b>	<b>\$626,000</b>	<b>\$626,000</b>
<b>TOTAL, 2019-2023</b>	<b>\$14,881,000</b>				



**Project Name:** 5th Ave. Rte 251 to Lincoln/6th St, 5th Ave to 4th Ave resurfacing sidewalk ramps  
**Department:** Engineering Department  
**Project Description:** Resurfacing and pavement rehabilitation along with sidewalk ramp replacement  
**Existing Condition:** Asphalt street in poor condition  
**Project Goals:** To improve the streets and accessibility  
**Impacts:**  
**Funding Source:** CIP (EDP, MFT, STF, UTF, and Infrastructure Bond)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$210,000	\$210,000					



**Project Name:** South Main Street Phase 1—Steam Plan Rd to Steward Rd

**Department:** Engineering Department

**Project Description:** Street reconstruction and urbanization from Steam Plant Rd to Steward Rd

**Existing Condition:** 2 lane rural roadway with deteriorating roadway surface and base

**Project Goals:** This has been a multiyear project with ROW acquisition to be completed in 2019 and construction to begin in Summer 2019

**Impacts:** This project is being partially funded with an IDOT EDP (MFT) grant with the remaining portion through the City infrastructure sales tax and utility tax funds. This project will upgrade and improve S Main to an 80,000 Class 2 truck route with traffic signalization and improved intersection improvements at Main St. and Steward Rd.

**Funding Source:** CIP (EDP, MFT, STF and UTF)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$3,750,000	\$3,600,000	\$150,000				





**Project Name:** 7th Avenue bridge replacement  
**Department:** Engineering Department  
**Project Description:** Replace existing bridge  
**Existing Condition:** Existing bridge in poor condition and currently restricted to 22 tons  
**Project Goals:** To replace the bridge within 2 years and provide better pedestrian access across the Kyte River along 7th Avenue  
**Impacts:** Provide improved pedestrian and vehicular access over the Kyte River along 7th Avenue while providing improved drainage and flow through the new bridge opening  
**Funding Source:** CIP (STF, UTF, and Infrastructure Bond)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$1,280,000	\$1,180,000	\$100,000				





**Project Name:** Annual sidewalk and pedestrian path improvements

**Department:** Engineering Department

**Project Description:** Replace existing sidewalks, reconstruct ramps

**Existing Condition:** The City's sidewalk and pedestrian route system

**Project Goals:** The annual sidewalk and pedestrian path replacement project continues to improve accessibility to all users throughout the City. This is an ongoing infrastructure improvement program of existing infrastructure as well as new extensions or connections.

**Impacts:** An improved network of pedestrian access routes to all users.

**Funding Source:** CIP (UTF)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$1,050,000	\$300,000	\$250,000	\$200,000	\$150,000	\$150,000	





**Project Name:** Steward Rd partial widening and resurfacing improvements (east of Loves Dev)

**Department:** Engineering Department

**Project Description:** Street reconstruction, widening and resurfacing from east of Loves Dev to Alpha Rd

**Existing Condition:** 2 lane rural roadway with deteriorating roadway surface and base

**Project Goals:** This project began in 2018 and will be completed in in 2019. The improvements to Steward Rd, along the Planey Subdivision frontage, will be an extension of the current PH1 contract

**Impacts:** This project is being partially funded through the City infrastructure sales tax and utility tax funds., and developer reimbursements. This project will upgrade and improve Steward Rd, from IL Rte 251 to Alpha Rd.

**Funding Source:** CIP (STF, UTF, and developer reimbursements)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$450,000	\$450,000					





**Project Name:** Rochelle Golf Course parking lot resurfacing  
**Department:** Engineering Department  
**Project Description:** Golf Course parking lot resurfacing  
**Existing Condition:** existing asphalt parking lot in need of resurfacing and base repairs  
**Project Goals:** to maintain the existing parking lot in accordance with a developers agreement as approved by City Council in 2017  
**Impacts:** to maintain the existing parking lot in accordance with a developers agreement as approved by City Council in 2017  
**Funding Source:** CIP (STF, UTF)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$67,000	\$67,000					





**Project Name:** SRTS-10th Ave/2nd St Sec#12-00113-00SW May School area  
**Department:** Engineering Department  
**Project Description:** Replace and relocate existing sidewalks and carriage walkways, reconstruct ramps, and restore pavement areas adjacent to new ramps areas  
**Existing Condition:** The City's sidewalk and pedestrian route system  
**Project Goals:** The SRTS sidewalk and pedestrian path replacement project will improve accessibility to all users and school children in the May School area.  
**Impacts:** An improved network of pedestrian access routes to all users.  
**Funding Source:** CIP (UTF and IDOT SRTS funds)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$555,000	\$355,000	\$200,000				





**Project Name:** Annual Seal Coat Street surface treatments

**Department:** Engineering Department

**Project Description:** We have several areas in our service area that the underground is direct buried and it has run past its life expectancy, 2018 we had several locations that the underground went bad and needed emergency repairs.

**Existing Condition:** Existing condition is poor on the old underground

**Project Goals:** Goal is complete about two miles of new underground to replace the old underground

**Impacts:** Increase reliability as all new underground will be bored in and inside a conduit.

**Funding Source:** CIP (MFT)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$750,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	





**Project Name:** General Maintenance of streets, sidewalks, storm sewer, drainage structures and systems  
**Department:** Engineering Department  
**Project Description:** General maintenance expenses related to routine maintenance, replacement or reconstruction of various street and drainage components.  
**Existing Condition:** Deteriorating street and drainage system infrastructure  
**Project Goals:** To maintain the existing street and drainage system infrastructure  
**Impacts:** Increase reliability of street and drainage systems throughout the City  
**Funding Source:** CIP (STF and UTF)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$450,000	\$75,000	\$100,000	\$125,000	\$75,000	\$75,000	





**Project Name:** Other Street and alley improvements including street resurfacing reconstruction, pavement striping and curb and gutter, including surface preparation for seal coat maintenance program

**Department:** Engineering Department

**Project Description:** Expenses related to routine maintenance, replacement or reconstruction of various street pavements and shoulders or curb and gutter

**Existing Condition:** Deteriorating street and drainage system infrastructure

**Project Goals:** To maintain the existing street and drainage system infrastructure

**Impacts:** Increase reliability of street and transportation systems throughout the City

**Funding Source:** CIP (STF, UTF, and Infrastructure Bond)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$650,000	\$180,000	\$150,000	\$120,000	\$100,000	\$100,000	





**Project Name:** W. 2nd Avenue and 12th Street urbanization project  
**Department:** Engineering Department  
**Project Description:** Reconstruction and urbanization of 2nd Avenue, from 12th St to 14th St, and along 12th Street from 2nd Avenue north to IL Rte 38 (Lincoln Ave)  
**Existing Condition:** Unurbanized street without curb and gutter and deteriorating street and drainage system infrastructure  
**Project Goals:** To maintain and improve the existing street and drainage system infrastructure  
**Impacts:** Increase reliability of street, transportation and drainage systems throughout the City  
**Funding Source:** CIP (STF, UTF, and Infrastructure Bond)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$740,000	\$590,000	\$150,000				





**Project Name:** 2nd Avenue street improvements, west of Washington Street, and offsite storm water detention facility

**Department:** Engineering Department

**Project Description:** Street and on street parking improvements along 2nd Avenue and offsite improvements along the south side of 2nd Ave to provide for greenspace and stormwater detention to improve the downtown area and cleanup blighted areas

**Existing Condition:** Deteriorating street and drainage system infrastructure along with limited parking downtown

**Project Goals:** To improve and upgrade existing street and drainage system infrastructure while creating green space opportunities for stormwater detention and multipurpose needs (property acquisition only in 2019)

**Impacts:** Improve street and drainage infrastructure

**Funding Source:** CIP (STF and UTF)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$650,000		\$200,000	\$450,000			





**Project Name:** Downtown drainage improvements and street restoration

**Department:** Engineering Department

**Project Description:** Reconstruct existing mainline storm sewers from near 6th Street east to the Kyte River along 4th Avenue and other associated tributary areas

**Existing Condition:** Deteriorating and undersized storm sewers and drainage system infrastructure

**Project Goals:** To replace, improve and upgrade existing mainline street and drainage system infrastructure primarily along 4th Avenue to improve drainage in the downtown area

**Impacts:** Improve street and drainage infrastructure in the downtown area

**Funding Source:** CIP (STF, UTF, and Infrastructure Bond)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$1,040,000	\$200,000	\$690,000	\$150,000			





**Project Name:** N. 14th Street drainage improvements and street restoration

**Department:** Engineering Department

**Project Description:** Reconstruct existing mainline storm sewers from near Carrie Avenue south to Squires Landing Way and other associated tributary areas

**Existing Condition:** Deteriorating and undersized storm sewers and drainage system infrastructure

**Project Goals:** To replace, improve and upgrade existing mainline street and drainage system infrastructure primarily along N. 14th Street to improve drainage in the streets and tributary area

**Impacts:** Improve street and drainage infrastructure along N. 14th Street and tributary area

**Funding Source:** CIP (STF and UTF)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$480,000		\$100,000	\$380,000			





**Project Name:** Downtown area parking lot rehabilitation  
**Department:** Engineering Department  
**Project Description:** Reconstruct and or/resurface municipal parking lots in the downtown area  
**Existing Condition:** Deteriorating parking area facilities  
**Project Goals:** To replace, improve and upgrade existing municipal parking lots infrastructure in the downtown area along with entrances and contiguous alley access  
**Impacts:** Improve parking lots in the downtown area  
**Funding Source:** CIP (STF and UTF)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$340,000		\$170,000	\$170,000			





**Project Name:** Dement Road overpass approach/pavement rehabilitation and drainage culvert improvement  
**Department:** Engineering Department  
**Project Description:** Reconstruct and adjust approach pavement and associated appurtenances  
**Existing Condition:** Deteriorating approach slab pavement  
**Project Goals:** To replace and/or adjust approach pavement slab and associated appurtenances  
**Impacts:** maintenance of overpass structure components  
**Funding Source:** CIP (STF and UTF)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$240,000	\$130,000	\$110,000				





**Project Name:** Downtown Project  
**Department:** Marketing and Public Relations  
**Project Description:** Downtown plaza and splash pad  
**Existing Condition:** There are no current facilities  
**Project Goals:** To increase downtown activity and business by providing a gathering area for a variety of users  
**Impacts:** Increase visitors to the downtown area  
**Funding Source:** CIP (tourism, potential grants, funding from RMU Admin, Water, Electric T&D and the General Fund)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$1,603,000	\$250,000	\$900,000	\$151,000	\$151,000	\$151,000	\$151,000





**Project Name:** Traffic signalization and other intersection improvements at IL Rte 251 and Steward Rd

**Department:** Engineering Department

**Project Description:** Traffic signalization and other intersection improvements at IL Rte 251 and Steward Rd

**Existing Condition:** 2 lane rural roadway with deteriorating roadway surface and base

**Project Goals:** This project began in 2018 for the Loves Travel Stop and convenience stores site development and will continue to be funded over the next two years

**Impacts:** This project is being partially funded with the remaining portion through the City infrastructure sales tax and utility tax funds. This project will upgrade and improve Steward Rd to an 80,000 Class 2 truck route with traffic signalization and improved intersection improvements at IL Rte 251 and Steward Rd.

**Funding Source:** CIP (STF and UTF) reimbursement to Loves development per annexation agreement

Total	2019	2020	2021	2022	2023	Beyond 2023
\$350,000	\$125,000	\$125,000	\$100,000			





**Project Name:** Shared Use path Rochelle Golf Course @ IL Rte 251 (PH1)  
**Department:** Engineering Department  
**Project Description:** shared use pedestrian path along IL Rte 251 along the west side of the Rochelle Golf Course  
**Existing Condition:** no existing pedestrian path or sidewalk to connect Cleveland Ave to Washington Street along IL Rte 251  
**Project Goals:** Construct a shared use pedestrian path along IL Rte 251 along the west side of the Rochelle Golf Course between Cleveland Ave and Washington Street  
**Impacts:** This project will construct a new pedestrian path from Cleveland Ave to Washington Street to provide connectivity in the City's sidewalk and pedestrian access routes.  
**Funding Source:** CIP (STF and UTF)

Total	2019	2020	2021	2022	2023	Beyond 2023
\$140,000	\$140,000					





**Project Name:** New Pick up  
**Department:** Engineering Department  
**Project Description:** Replace 2010 pickup  
**Existing Condition:** Used  
**Project Goals:** Continue to maintain our fleet so our trucks are on the street and not in a shop  
**Impacts:** NA  
**Funding Source:** CIP

Total	2019	2020	2021	2022	2023	Beyond 2023
\$36,000		\$36,000				





# Rochelle Fire Department

## Capital Improvement Projects





Fire Department Capital Projects, Capital Projects Fund, Overview					
	2019	2020	2021	2022	2023
Storm Siren	\$20,000				
Dorm Remodel	\$26,000				
Fire Training Facility		\$250,000			
Rescue Engine	\$200,000	\$450,000			
Bathroom Remodel	\$36,000				
F24 Ambulance Replacement			\$200,000		
F21 Ambulance Replacement				\$200,000	
Cardiac Monitor/Defibrillator	\$35,000	\$35,000	\$30,000		
<i>Total, Annual</i>	\$317,000	\$735,000	\$230,000	\$200,000	
<b>TOTAL, 2019-2023</b>	<b>\$1,482,000</b>				



**Project Name:** Storm Siren

**Department:** Fire

**Project Description:** Purchase and install a new storm siren at Highway 39 and Dement Rd

**Existing Condition:** There is currently no storm siren within 1/2 mile of this location. There is a substantial population of truck drivers sleeping in their vehicles.

**Project Goals:** Enhance storm siren coverage of NE quadrant of the City

**Operations Impact:** This would bring early outdoor warning signals to this target population

**Funding Source:** GEN

Total	2019	2020	2021	2022	2023	Beyond 2023
\$20,000	\$20,000					





**Project Name:** Remodel Dorm

**Department:** Fire

**Project Description:** The proposed project is to divide the current common dorm into 5 individual rooms, along with the addition of an emergency exit that leads to the exterior of the building.

**Existing Condition:** The fire department dorm (sleeping quarters) consists of a large room with 13 beds, each assigned to one full-time firefighter, with a common bed for part-time employees. Firefighters are permitted to sleep in the dorm between 9pm-7am when not responding to emergencies. There are at least four performance issues with the current arrangement:

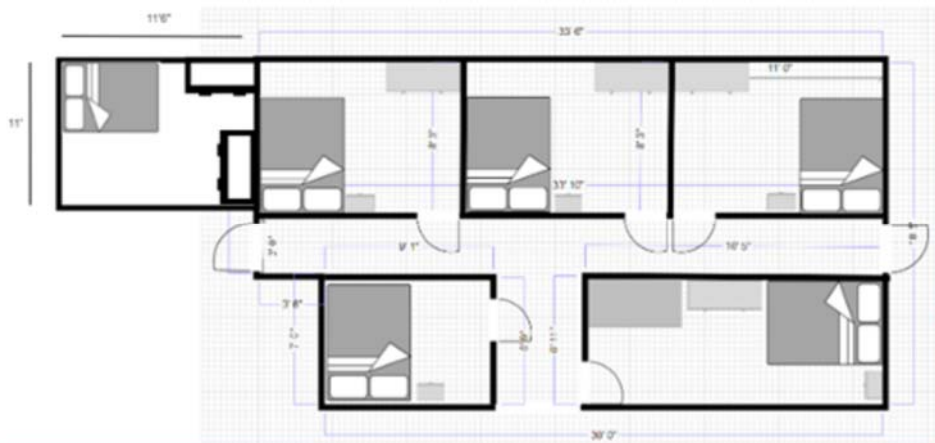
- The single common room can cause problems for light sleepers or those who are disturbed by sleeping habits of other firefighters.
- Additional sleeping quarters are needed for the possible addition of transfer crews, allows sleeping quarters for duty crew + 2 transfer personnel.
- The single common room does not provide adequate privacy for mixed gender work crews.
- The dorm has a single exit that leads to the center of the building, a life safety hazard in the event of a fire or building collapse.

**Project Goals:** Divide the current common dorm into 5 individual rooms, along with the addition of an emergency exit that leads to the exterior of the building.

**Operations Impact:** This remodel would allow 5 individual rooms, providing for additional staffing, additional privacy, provisions for mixed gender crews, and provides critical safe exits in the event of a fire or other emergency.

**Funding Source:** GEN

Total	2019	2020	2021	2022	2023	Beyond 2023
\$26,600	\$26,000					





**Project Name:** Fire Training Area

**Department:** Fire

**Project Description:** Build training facility for Rochelle and Ogle-Lee Firefighters

**Existing Condition:** Currently, the fire department utilizes the back parking lot and occasionally donated properties for training.

**Project Goals:** Build training facility for Rochelle and Ogle-Lee Firefighters

**Operations Impact:** Live fire training is essential to the health and safety of your department and your community. Currently firefighters go outside the area to other communities for training. We currently have 13 FT firefighters and an average of 25 volunteers. In addition the Ogle-Lee Fire Protection District has 60 Firefighters and has expressed interest in partnering with this project.

**Funding Source:** GEN

Total	2019	2020	2021	2022	2023	Beyond 2023
\$250,000		\$250,000				





**Project Name:** Rescue Engine (to Replace 1995 Alexis)

**Department:** Fire

**Project Description:** This project is to replace the 1995 Alexis Rescue Engine.

**Existing Condition:** This Rescue Engine is to replace the 1995 Alexis Rescue Engine. By the time this engine is replaced it will be nearly 30 years old. It does not meet modern safety standards and has several mechanical issues that would be expensive to repair including to the engine, the transmission, and the suspension.

**Project Goals:** Replace our 1995 Alexis Rescue Engine with a new Rescue Engine

**Operations Impact:** This new rescue engine will allow firefighters to perform duties much more safely and efficiently. The engine will include the latest safety features as well as increased modern firefighting and rescue capabilities including onboard foam, and integrated hydraulic power for rescue tools. This new engine will also reduce the increased maintenance costs needed to maintain an aging vehicle.

**Funding Source:** GEN

Total	2019	2020	2021	2022	2023	Beyond 2023
\$650,000	\$200,000	\$450,000				





**Project Name:** Station Bathroom Remodel

**Department:** Fire

**Project Description:** This project proposes the remodel of the fire department shower room. Currently, the shower room at the fire department consists of a single non-private shower in a bathroom with two toilets and a urinal.

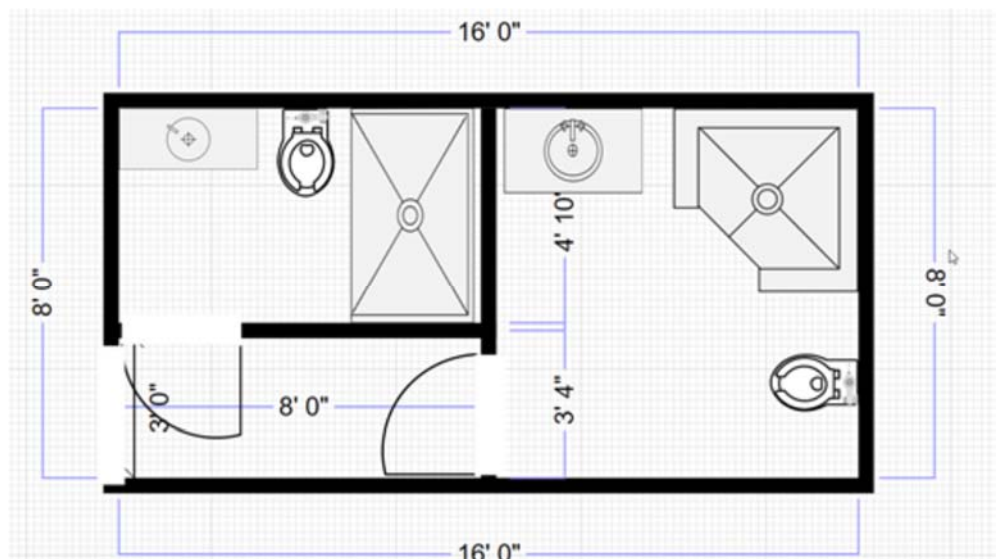
**Existing Condition:** The fire department bathroom has not been remodeled or updated since the building's construction in 1970. Recently, studies have demonstrated the importance of showering frequently when exposed to products of combustion and biohazards such as patient's vomit, or blood. Firefighters in Rochelle have also commonly been exposed to other hazards including lice, bedbugs, and fleas. Having a single shower has proven to be an impediment to efficient execution of these recommendations.

**Project Goals:** Remodel fire department shower room/bathroom by replacing existing large bathroom with two private shower/bathroom rooms.

**Operations Impact:** Firefighters will have two private shower rooms for quick post incident decontamination, including important support for mixed gender crews.

**Funding Source:** GEN

Total	2019	2020	2021	2022	2023	Beyond 2023
\$36,000	\$36,000					





**Project Name:** Ambulance (to Replace 2001 Ford/MedTec)

**Department:** Fire

**Project Description:** Replace Ambulance 1F24 (2001 Ford/MedTec)

**Existing Condition:** By the time this ambulance is replaced, 1F24 will be 20 years old. It currently doesn't meet many of the modern safety regulations for ambulance.

**Project Goals:** Replace Ambulance 1F24 (2001 Ford/MedTec)

**Operations Impact:** This new ambulance will include the latest safety features and will reduce the maintenance required for our current aging ambulances.

**Funding Source:** AMB

Total	2019	2020	2021	2022	2023	Beyond 2023
\$200,000			\$200,000			





**Project Name:** Ambulance (to Replace 2010 Ford/MedTec)

**Department:** Fire

**Project Description:** Replace Ambulance 1F21 (2010 Ford/MedTec)

**Existing Condition:** By the time this ambulance is replaced, 1F21 will be 12 years old and will be approaching 90,000 miles of service.

**Project Goals:** Replace Ambulance 1F21 (2010 Ford/MedTec)

**Operations Impact:** This new ambulance will include the latest safety features and will reduce the maintenance required for our current aging ambulances.

**Funding Source:** AMB

Total	2019	2020	2021	2022	2023	Beyond 2023
\$200,000				\$200,000		





**Project Name:** Cardiac Monitor/Defibrillator Replacements

**Department:** Fire

**Project Description:** Replace three cardiac monitors/defibrillators in each of the three ambulances.

**Existing Condition:** In 2018, we replaced a 12-Lead Lifepak 12 Cardiac Monitor which was inoperable and was unable to be repaired because of it's age. The replacement, a Zoll x-Series 12-Lead Cardiac Monitor/Defibrillator was put into service in August of 2018, with a \$5,000 payment in 2018 and a \$30,000 payoff in 2019.

**Project Goals:** In 2019/2020, we propose replacing the oldest monitor, a 15 year old 3-lead Cardiac Monitor, with the same Zoll x-Series Cardiac Monitor with a \$5,000 payment in 2019 and a \$30,000 payoff in 2020. In 2020/2021 we propose replacing the final monitor, a 10 year old 12-lead Cardiac Monitor, with the same Zoll x-Series Cardiac Monitor with a \$5,000 payment in 2020 and a \$30,000 payoff in 2021.

**Operations Impact:**

**Funding Source:** GEN/AMB

Total	2019	2020	2021	2022	2023	Beyond 2023
\$100,000	\$35,000	\$35,000	\$30,000			



# Landfill/Solid Waste Capital Improvement Projections





Landfill/Solid Waste Capital Projects					
	2019	2020	2021	2022	2023
Mulford Rd Improvements	\$900,000				
<i>Total, Annual</i>					
	<i>\$900,000</i>				
<b>TOTAL, 2019-2023</b>					
			<b>\$900,000</b>		



Project Name: Mulford Rd Improvements

Department: Landfill/Solid Waste

Project Description:

Existing Condition:

Project Goals:

Impacts:

Funding Source:

Total	2019	2020	2021	2022	2023	Beyond 2023
\$900,000	\$900,000					



# Police Department

## Capital Improvement Projects





### Police Department Capital Projects

	2019	2020	2021	2022	2023
Squads- number may vary Including Decals and Installs	\$61,794	\$92,691	\$92,691	\$92,691	\$92,691
Uninterrupted Power Supply	\$12,423				
<i>Total, Annual</i>	<i>\$74,217</i>	<i>\$92,691</i>	<i>\$92,691</i>	<i>\$92,691</i>	<i>\$92,691</i>
<b>TOTAL, 2019-2023</b>	<b>\$444,981</b>				



**Project Name:** Squad Replacement  
**Department:** Police  
**Project Description:**  
**Existing Condition:** Varies by vehicle  
**Project Goals:**  
**Impacts:**  
**Funding Source:** General fund capital outlay vehicles

Total	2019	2020	2021	2022	2023	Beyond 2023
\$432,558	\$61,794	\$92,691	\$92,691	\$92,691	\$92,691	Same





**Project Name:** Uninterrupted Power Supply  
**Department:** Police  
**Project Description:**  
**Existing Condition:** Old—no longer provide service/maintenance  
**Project Goals:** Always have power  
**Impacts:**  
**Funding Source:** General Fund

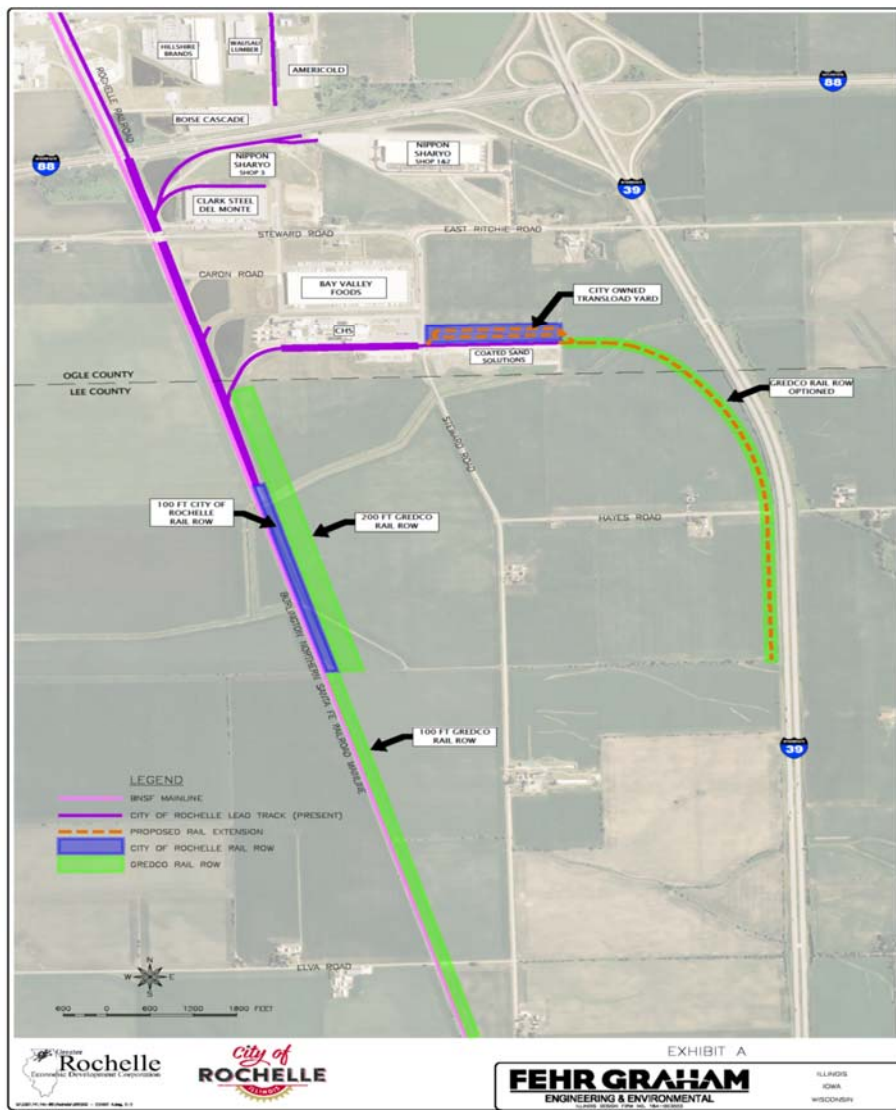
Total	2019	2020	2021	2022	2023	Beyond 2023
\$12,423	\$12,423					

# Railroad Capital Improvement Projections





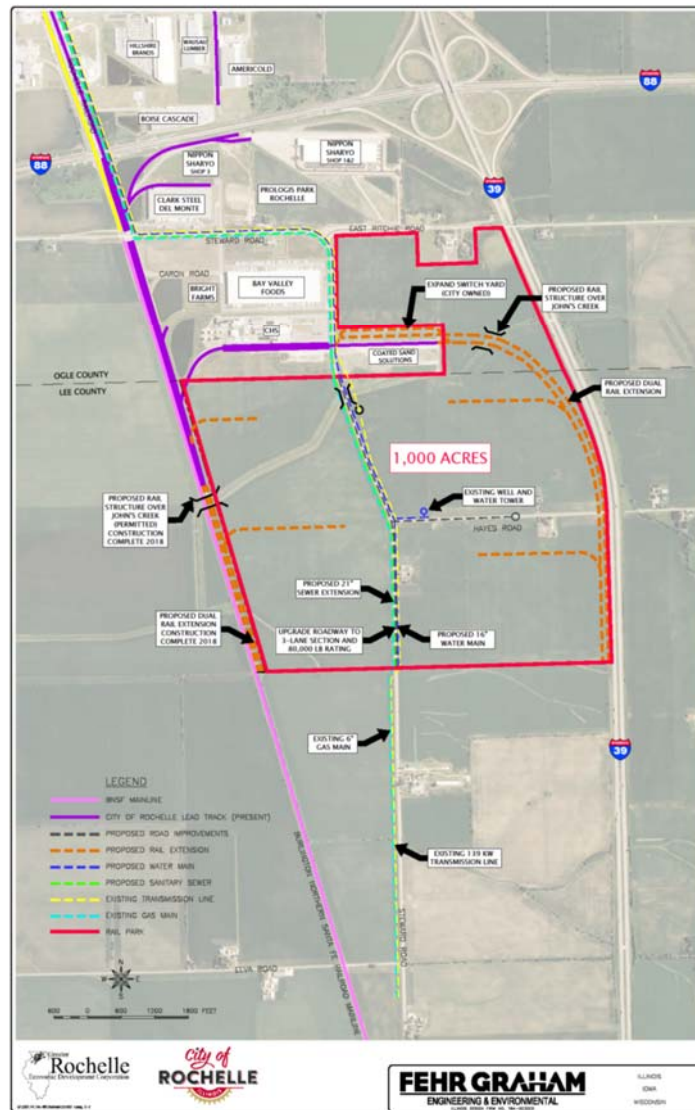
Railroad Capital Projects					
	2019	2020	2021	2022	2023
CIR—Co-Op Extension	\$3,500,000				
Land Purchase—CIR Extension	\$400,000	\$400,000	\$400,000	\$550,000	\$730,000
CIR South Extension—Track along I-39		\$8,000,000			
<b>Total, Annual</b>	<b>\$3,900,000</b>	<b>\$8,400,000</b>	<b>\$400,000</b>	<b>\$550,000</b>	<b>\$730,000</b>
<b>TOTAL, 2019-2023</b>	<b>\$13,980,000</b>				





**Project Name:** Co-Op—CIR Extension (2018-2019)  
**Department:** Railroad  
**Project Description:** Extend the CIR system with the construction of a Transload yard, Bridge and 3 miles of tracks  
**Existing Condition:** Limited capacity  
**Project Goals:** Ability to extend the City of Rochelle Railroad for the future industrial development of 1000 acres  
**Impacts:** Attract large industrial projects to prosper the economic development potential of the City of Rochelle and grow RMU's customer base  
**Funding Source:** \$3.42 Millions EDA, \$ 2.58 Million IDOT and \$ 1 Million Railroad Funds

Total	2019	2020	2021	2022	2023	Beyond 2023
\$3,500,000	\$3,500,000					





**Project Name:** Land Purchase—CIR Extension  
**Department:** Railroad  
**Project Description:** Rail ROW between Transloading Yard and I-39. Approximately 27 acres at \$15,000 per acre  
**Existing Condition:** Limited amount of land with rail access  
**Project Goals:** Ability to extend the City of Rochelle Railroad for the future industrial development of 1000 acres  
**Impacts:** Attract large industrial projects to prosper the economic development potential of the City of Rochelle and grow RMU's customer base  
**Funding Source:** Railroad Funds

Total	2019	2020	2021	2022	2023	Beyond 2023
\$400,000	\$400,000					





**Project Name:** Second half land acquisition to the south along I-39

**Department:** Railroad

**Project Description:** Purchase land for rail ROW from Lee-Ogle County line to Hayes/Ravnass boundary. Approximately 27 acres. This is the continuance from the purchase land for rail ROW in 2019.

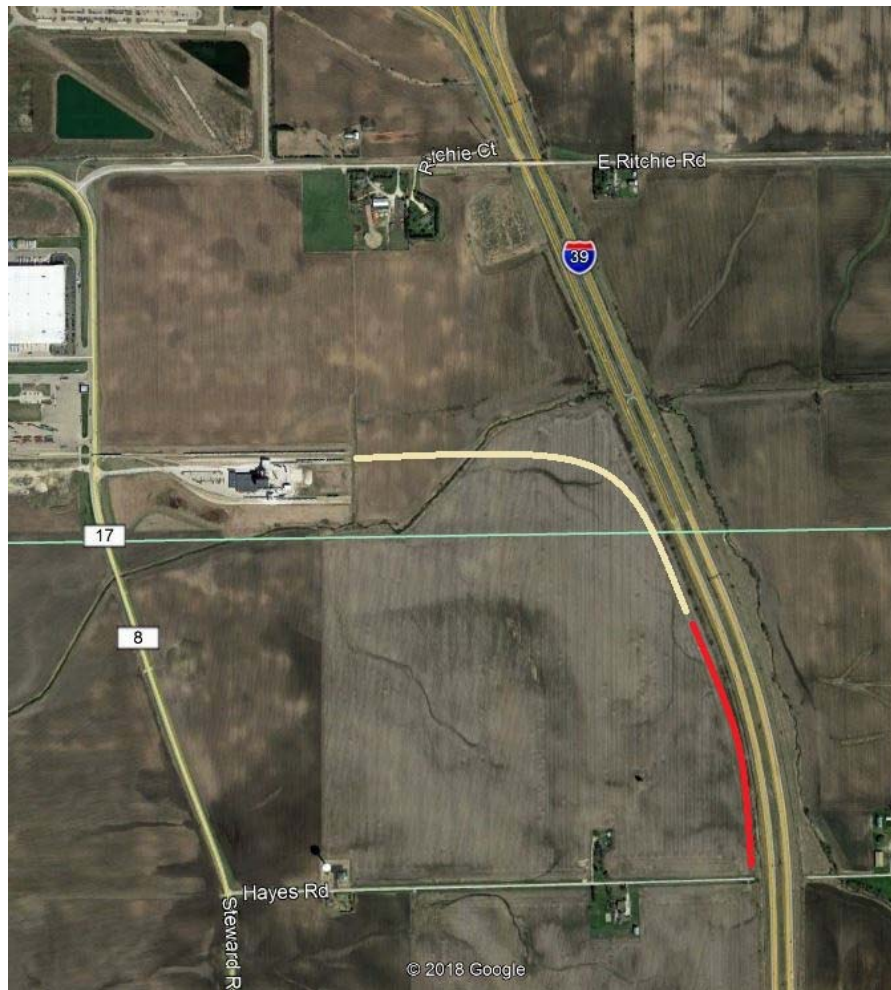
**Existing Condition:** Limited amount of land with rail access

**Project Goals:** Ability to extend the City of Rochelle Railroad for the future industrial development of 1000 acres

**Impacts:** Attract large industrial projects to prosper the economic development potential of the City of Rochelle and grow RMU's customer base

**Funding Source:** Railroad Funds

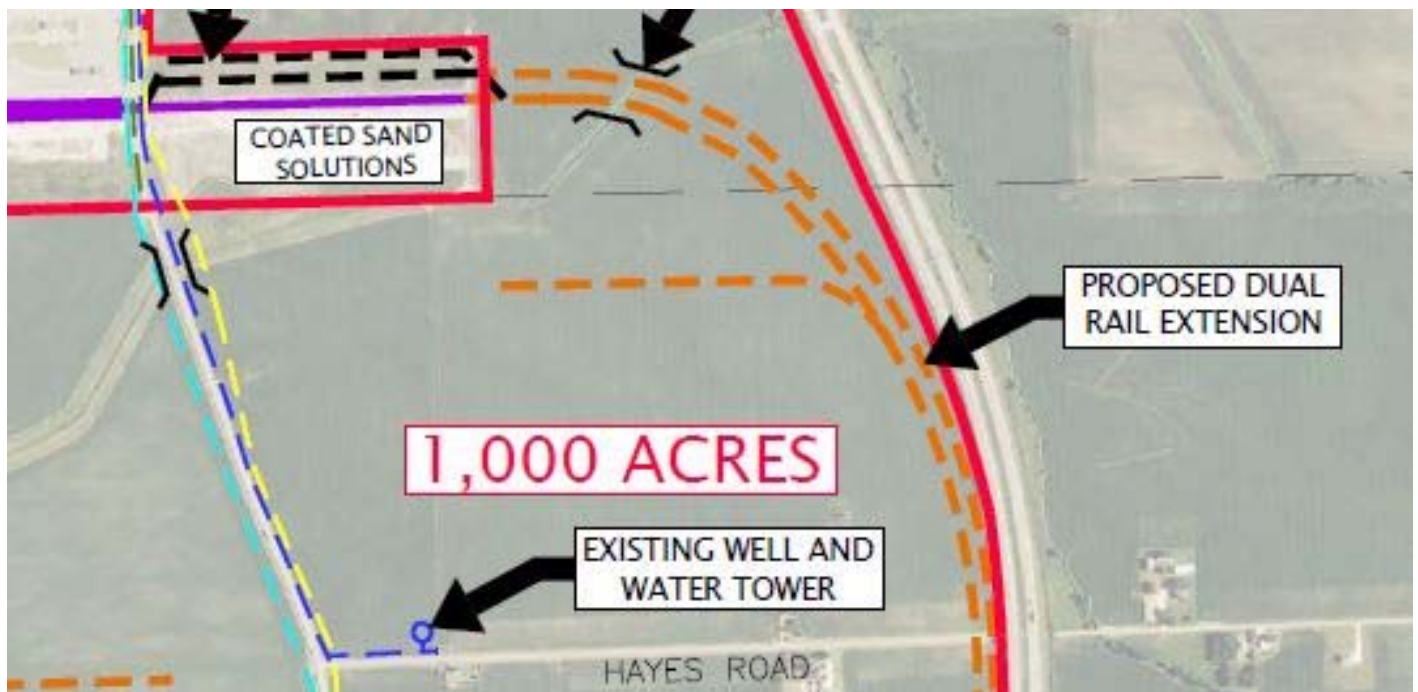
Total	2019	2020	2021	2022	2023	Beyond 2023
\$400,000		\$400,000				





**Project Name:** CIR South Extension along I-39  
**Department:** Railroad  
**Project Description:** Construction of Approximately 3 miles of CIR track South along I-39 to the Hayes/Ravnass property line.  
**Existing Condition:** Able to open more land available for rail accessibility  
**Project Goals:** Ability to extend the City of Rochelle Railroad to open a 1000 acres for future industrial development  
**Impacts:** Attract large industrial projects to prosper the economic development potential of City of Rochelle and grow RMU's customer base  
**Funding Source:** Railroad Funds, USDA/EDA/IDOT Grants/Loans

Total	2019	2020	2021	2022	2023	Beyond 2023
\$8,000,000		\$8,000,000				





**Project Name:** Land Acquisition, north of Creston Rd along the UP main

**Department:** Railroad

**Project Description:** Purchase of rail ROW for a new Union Pacific and CIR interchange. Approximately 20 acres South of UP main between Caron Rd and the Village of Creston.

**Existing Condition:** Existing UP interchange has limited capacity and growing number of rail car being interchange is blocking multiple at-grade crossings.

**Project Goals:** Expand interchange to improve efficiency and safety while increasing the interchange capacity

**Impacts:** Eliminate UP operations on at-grade crossings on the CIR

**Funding Source:** Railroad Funds & Union Pacific Railroad

Total	2019	2020	2021	2022	2023	Beyond 2023
\$400,000			\$400,000			





**Project Name:** Land Acquisition, south along the BNSF main

**Department:** Railroad

**Project Description:** Purchase of rail ROW for a new BNSF and CIR interchange. Purchase of Approximately 12 acres from GREDCO's ROW and 24 acres farm land in 2022. The second half will be purchased in 2023 1 mile along strip. The BNSF main to the south

**Existing Condition:** Existing BNSF interchange has limited capacity and due to the growing number of rail car being interchange is blocking multiple at-grade crossings.

**Project Goals:** Expand interchange to improve efficiency and safety while increasing the interchange capacity

**Impacts:** Eliminate BNSF operations on at-grade crossings on the CIR

**Funding Source:** Railroad Funds, GREDCO & BNSF

Total	2019	2020	2021	2022	2023	Beyond 2023
\$1,280,000				\$ 550,000	\$ 730,000	



# Capital Improvement



## Projections



### Street Department Capital Outlay, General Fund, Overview

	2019	2020	2021	2022	2023
Tractor Attachment			\$25,000	\$20,000	\$20,000
Traffic Marking Machine	\$20,000			\$20,000	
Trailers	\$20,000				
Salt Brine Production System					\$50,000
Ground Speed Controller	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000
<b>Total, Equipment - Streets</b>	<b>\$48,000</b>	<b>\$8,000</b>	<b>\$33,000</b>	<b>\$48,000</b>	<b>\$78,000</b>
<i>2019-2023 Equipment Total: \$215,000</i>					
Single Axle Dump Truck	\$95,000	\$95,000	\$95,000	\$95,000	\$95,000
Semi Tractor Trailer		\$60,000			
1 Ton Dump Truck				\$80,000	
Pickup Truck		\$40,000		\$40,000	
Asphalt Paver					
Compact Track loader		\$80,000		\$80,000	
<b>Total, Vehicle - Streets</b>	<b>\$95,000</b>	<b>\$275,000</b>	<b>\$95,000</b>	<b>\$295,000</b>	<b>\$95,000</b>
<i>2019-2023 Vehicle Total: \$855,000</i>					
Sidewalk Displacement Removals	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Urban Forest Improvements	\$15,000	\$15,000	\$15,000	\$10,000	\$10,000
Municipal Parking Lot Improvements		\$7,500		\$7,500	
Traffic Signal Improvements		\$35,000	\$45,000		
<b>Total, Other Improvements - Streets</b>	<b>\$35,000</b>	<b>\$77,500</b>	<b>\$80,000</b>	<b>\$37,500</b>	<b>\$30,000</b>
<i>2019-2023 Other Improvements Total: \$260,000</i>					
<b>Total, Annual</b>	<b>\$178,000</b>	<b>\$360,500</b>	<b>\$208,000</b>	<b>\$380,500</b>	<b>\$203,000</b>
<i>2019-2023 Total: \$1,330,000</i>					
<b>TOTAL, 2019-2023</b>	<b>\$1,330,000</b>				



**Project Name:** Vehicle / Single Axle Dump Truck

**Department:** Street

**Project Description:** Purchase one new single axle cab & chassis truck, equipped with a stainless steel hydraulic dump body. Truck shall be equipped with front and belly plow, salt spreader, pre-wet system and ground speed controls. Truck shall also have LED strobe lights, electric tarp, air tailgate latches and a dump body vibrator.

**Existing Condition:** This vehicle would replace an existing 2001 single axle dump truck with winter package.

**Project Goals:** STR-9, STR-2

**Impacts:** This vehicle will be equipped with a final tier 4 engine producing lower emissions contributing to a cleaner environment and increased fuel mileage. With the additions of a pre-wet system and ground speed controls this vehicle will also reduce our consumption of salt during winter operations lessening our impact on the environment, as well as saving time and money.

**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$570,000	\$95,000	\$95,000	\$95,000	\$95,000	\$95,000	\$95,000





**Project Name:** Other Improvements / Sidewalk Displacement Removals  
**Department:** Streets  
**Project Description:** Sidewalk displacement removals — Identify vertical displacements or trip hazards. Record displacement locations and cut returning sidewalk to ADA compliance. Areas that may be beyond repair will be replaced in accordance with ADA standards.  
**Existing Condition:** Overall sidewalks are in fair condition with occasional displacements and base failures leading to broken slabs.  
**Project Goals:** STR-2 STR-9 LTC-4  
**Impacts:** Sidewalk displacement removals will increase safety for all citizens and reduce liability to the City.  
**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$120,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000





**Project Name:** Other Improvements / Forestry  
**Department:** Streets  
**Project Description:** Inventory, inspect, perform risk assessments and provide maintenance to all City owned Trees. Also purchase and plant new and replacement trees to improve Rochelle's overall canopy.  
**Existing Condition:** Fair, trees are in need of routine inspections and maintenance.  
**Project Goals:** STR-2, STR-9 LTC-4  
**Impacts:** Properly maintained and healthy trees have many impacts on our community. They improve property values, provide energy savings and help with stormwater runoff, among many other benefits.  
**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$75,000	\$15,000	\$15,000	\$15,000	\$10,000	\$10,000	\$10,000





**Project Name:** Equipment / Traffic marking machine

**Department:** Streets

**Project Description:** Traffic Marking machines are used for all City traffic marking on over 165 lane miles of roads, 14 municipal parking lots, crosswalks, stop bars, turn arrows and so on.

**Existing Condition:** Poor, machine is experiencing pump performance issues and overall is at the end of its expected life cycle.

**Project Goals:** STR-9, LTC-4

**Impacts:** Traffic marking is an important part of public safety. Traffic markings are necessary to provide direction and guidance to the motoring public as well as providing guidance and direction to pedestrians and bicyclists.

**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$40,000		\$20,000		\$20,000		





**Project Name:** Vehicles / Semi Tractor & Trailers  
**Department:** Streets  
**Project Description:** Purchase one used semi tractor and two used semi trailers from auction.  
 One lowboy trailer to move equipment and materials to and from job sites as needed.  
 One dump trailer used to haul spoil from construction sites, haul materials in and assist with snow removal operations.  
**Existing Condition:** NA  
**Project Goals:** STR-9, LTC-4  
**Impacts:** The addition of this tractor and trailers will allow us to transport equipment to construction sites more efficiently and avoid any unnecessary delays due to scheduling conflicts. This will also allow more materials to be hauled in and out of job sites increasing job productivity as well as reducing fuel and labor costs.  
**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$60,000		\$60,000				





**Project Name:** Equipment / Ground speed controller  
**Department:** Streets  
**Project Description:** Ground speed controllers are used during winter operations to control the amount of salt being applied to the pavement.  
**Existing Condition:** NA  
**Project Goals:** STR-2, STR-9, LTC-4  
**Impacts:** The ground speed controller would replace our manual twist dial controller currently being used. This new control will be able to adjust application rates with vehicle speeds and will automatically shut off when the vehicle is stopped. This controller will allow operators to have much greater control of application rates, resulting in reduced salt usage, expense and environmental impacts  
**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$48,000	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000





**Project Name:** Vehicle / Pickup Truck  
**Department:** Streets  
**Project Description:** Pickup Truck  
**Existing Condition:** Poor, 2001 experiencing mechanical issues and is unreliable.  
**Project Goals:** STR-9, LTC-4  
**Impacts:** These vehicles are used on a daily basis and are necessary in transporting labor, equipment and materials to and from work sites. Benefits of new vehicles will be increased fuel mileage, less vehicle repair expense, down time, and increased reliability and safety.  
**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$200,000		\$40,000		\$120,000		\$40,000





**Project Name:** Vehicle / Compact Track Loader

**Department:** Streets

**Project Description:** Replace compact skid loader with larger compact track loader. Generally used everyday performing multiple duties.

**Existing Condition:** Fair, 2003 Skid loader with over 4,500 hours

**Project Goals:** STR-2, STR-9, LTC-4

**Impacts:** Compact loaders are the most used and most versatile piece of equipment at the Street Department. Compact loaders are able to perform many duties by simply adding an attachment. These machines are very efficient, productive and they reduce the need of having multiple machines to complete a project.

**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$160,000		\$80,000		\$80,000		





**Project Name:** Other Improvements / Municipal Parking Lot Improvements  
**Department:** Streets  
**Project Description:** Municipal Parking Lot Improvements  
**Existing Condition:** Fair, Maintain asphalt sealer, crack filling and traffic markings  
**Project Goals:** STR-9, LTC-4  
**Impacts:** Municipal parking lots serve several functions in the downtown area. They provide parking for downtown residents, businesses and visitors as well as providing a location to host events held by various committees in our community. It is important that these lots remain clean, maintained and marked for aesthetics proposes, functionality and safety of all Rochelle citizens and visitors.  
**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$22,500		\$7,500		\$7,500		\$7,500





**Project Name:** Equipment / Hot Patch Trailer

**Department:** Streets

**Project Description:** Hot Patch Trailer

**Existing Condition:** Poor– Heating system is experiencing mechanical problems and will not heat up and maintain temperature at times.

**Project Goals:** STR-9, LTC-4

**Impacts:** Hot boxes play a critical role in winter road maintenance operations and public safety. During the winter months our streets are exposed to many harsh weather conditions and go through freeze/thaw cycles which eventually lead to potholes. With hot mix asphalt plants being closed this time of year, cold patch is used to repair potholes. Hot boxes maintain the cold patch to a temperature of 90–100 degrees keeping the materials workable and enhancing the adhesion of the product resulting in longer lasting repairs.

**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$20,000	\$20,000					





**Project Name:** Other Improvements / Traffic Signal Improvements  
**Department:** Streets  
**Project Description:** Traffic Signal Improvements  
**Existing Condition:** Poor— Detections loops are exposed and broken in areas.  
**Project Goals:** STR-9, LTC-4  
**Impacts:** Failing traffic signal detection loops can cause several concerns such as extended wait times and intersection congestion. Issues such as these can lead to motorists disobeying the traffic signal and increasing the risk of vehicle accidents. The installation of traffic detection cameras would remedy the issues and concerns caused by the failing loops and would increase public safety at these intersections.  
**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$80,000		\$35,000	\$45,000			





**Project Name:** Equipment / Salt Brine Production System

**Department:** Streets

**Project Description:** Salt Brine Production System

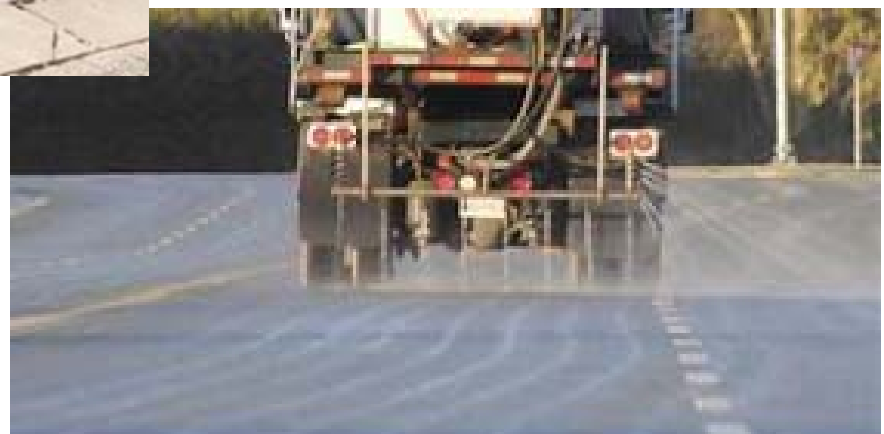
**Existing Condition:** Fair— The current salt brine system is undersized for todays operation and is inefficient.

**Project Goals:** STR-9, STR- 2, LTC-4

**Impacts:** Salt brine plays an important role in winter operations. Salt brine begins to melt ice immediately as it is already in liquid form. Salt brine is used in anti-icing operations and is usually mixed with an agricultural derived product that lowers the working temperature of salt brine. Pre-wetting rock salt at the auger is another use of salt brine. This application allows the rock salt to begin melting ice faster as well as reducing the bounce and scatter of rock salt as it is being applied to the pavement.

**Funding Source:** General Fund

Total	2019	2020	2021	2022	2023	Beyond 2023
\$50,000					\$50,000	





**PUBLIC WORKS**

**FIRST RESPONDER**

# Water Department Capital Improvement Projections





Water Department Capital Projects					
	2019	2020	2021	2022	2023
Water Maintenance	\$151,925	\$156,483	\$161,177	\$166,013	\$170,993
Property Acquisition / Main Replacement	\$177,500	\$425,000	\$425,000	\$750,000	\$750,000
Meter Replacement	\$100,000	\$200,000	\$200,000	\$75,000	\$75,000
Televis Well #8	\$20,000				
Well #12 Radium Treatment Plant	\$2,300,000	\$1,240,000			
Paint/Inspect Tower B			\$130,000		
Inspect Tower A	\$15,000	\$ 15,000		\$15,000	
Main Repair	\$25,000				
New Lights Tower B	\$15,000				
Well #4 Building—7th Street Overpass	\$2,450,000				
Well #8 Iron Treatment Facility (Wiscold)		\$150,000	\$5,026,544		
<b>Total, Annual</b>	<b>\$5,254,425</b>	<b>\$2,186,483</b>	<b>\$5,942,721</b>	<b>\$1,006,013</b>	<b>\$995,993</b>
<b>TOTAL, 2019-2023</b>	<b>\$ 15,385,635</b>				



**Project Name:** Water Maintenance Blanket  
**Department:** Water  
**Project Description:** Maintenance Budget  
**Existing Condition:** Poor  
**Project Goals:** Maintain equipment  
**Impacts:** Keeps equipment  
**Funding Source:** Water Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$806,591	\$151,925	\$156,483	\$161,177	\$166,013	\$170,993	





**Project Name:** Water Main Replacement Blanket / Property Acquisition  
**Department:** Water  
**Project Description:** Replace cast iron water mains  
**Existing Condition:** Poor  
**Project Goals:** Replace water mains  
**Impacts:** Restores water distribution system  
**Funding Source:** Water Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$2,527,500	\$177,500	\$425,000	\$425,000	\$750,000	\$750,000	





**Project Name:** Meter Replacement  
**Department:** Water  
**Project Description:** Meter Replacement  
**Existing Condition:** Poor  
**Project Goals:** Replace water meters  
**Impacts:** More accurate billing  
**Funding Source:** Water Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$650,000	\$100,000	\$200,000	\$200,000	\$75,000	\$75,000	





**Project Name:** Televis Well #8  
**Department:** Water  
**Project Description:** Televis well #8 casing  
**Existing Condition:** Unsure  
**Project Goals:** Televis Well #8 to check the integrity  
**Impacts:** Possibly avoid building an iron removal plant by simply lining the casing  
**Funding Source:** Water Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$20,000	\$20,000					





**Project Name:** Well #12 Radium Treatment Plant  
**Department:** Water  
**Project Description:** Build a radium treatment plant  
**Existing Condition:** n/a  
**Project Goals:** Build a radium treatment plant  
**Impacts:** Removal of radium  
**Funding Source:** IEPA Loan

Total	2019	2020	2021	2022	2023	Beyond 2023
\$3,540,000	\$2,300,000	\$1,240,000				





**Project Name:** Paint/Inspect Tower B  
**Department:** Water  
**Project Description:** Paint/Inspect Tower B  
**Existing Condition:** Poor  
**Project Goals:** Paint/Inspect Tower B  
**Impacts:** Restore existing infrastructure  
**Funding Source:** Water Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$130,000			\$130,000			





**Project Name:** Inspect Tower  
**Department:** Water  
**Project Description:** General tower inspection budget  
**Existing Condition:** unsure  
**Project Goals:** inspect water towers  
**Impacts:** keep the inside of towers clean  
**Funding Source:** Water Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$45,000	\$15,000	\$15,000		\$15,000		





**Project Name:** Main Repair 251/I-88  
**Department:** Water  
**Project Description:** Repair main at 251 & I-88  
**Existing Condition:** Broken  
**Project Goals:** Repair main at 251 & I-88  
**Impacts:** restore water main  
**Funding Source:** Water Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$25,000	\$25,000					





**Project Name:** New Lights Tower B  
**Department:** Water  
**Project Description:** Install new lights at Tower B  
**Existing Condition:** Poor  
**Project Goals:** Install new lights at Tower B  
**Impacts:** restores lighting at Tower B  
**Funding Source:** Water Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$15,000	\$15,000					





**Project Name:** Well #4 Building (7th Street Overpass)  
**Department:** Water  
**Project Description:** Build new wellhouse at 7th St. overpass  
**Existing Condition:** Poor  
**Project Goals:** Build new wellhouse at 7th St. overpass  
**Impacts:** restores infrastructure  
**Funding Source:** Water Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$2,450,000	\$2,450,000					





**Project Name:** Well #8 Iron Treatment Facility (Wiscold)  
**Department:** Water  
**Project Description:** Iron treatment facility at Well # 8  
**Existing Condition:** Poor  
**Project Goals:** Iron treatment facility at Well # 8  
**Impacts:** protects current equipment  
**Funding Source:** IEPA loan

Total	2019	2020	2021	2022	2023	Beyond 2023
\$5,176,544		\$150,000	\$5,026,544			



# Water Reclamation Department Capital Improvement Projections





### Water Reclamation Department Capital Projects

	2019	2020	2021	2022	2023
Manhole Lining	\$61,800	\$63,654	\$120,000	\$120,000	\$120,000
Sewer Line Replacement	\$512,000	\$400,000	\$400,000	\$400,000	\$1,000,000
Water Rec Maintenance Blanket	\$133,462	\$129,575	\$129,575	\$129,575	\$129,575
HVAC	\$36,050	\$35,000			
Vactor Truck			\$450,000		
Water Meters	\$100,000	\$100,000	\$100,000	\$50,000	\$50,000
WWTP Upgrades	\$2,046,738	\$4,000,000		\$4,000,000	
AS Building Demolition	\$85,000				
<i>Total, Annual</i>	<i>\$2,975,050</i>	<i>\$4,728,229</i>	<i>\$1,199,575</i>	<i>\$4,699,575</i>	<i>\$1,299,575</i>
<b>TOTAL, 2019-2023</b>	<b>\$14,902,004</b>				



**Project Name:** Manhole Lining  
**Department:** Water Reclamation  
**Project Description:** Line manhole to restore (approximately 15 per year)  
**Existing Condition:** Poor  
**Project Goals:** Restore manhole  
**Impacts:** Restores manhole  
**Funding Source:** Water Reclamation Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$485,454	\$61,800	\$63,654	\$120,000	\$120,000	\$120,000	





**Project Name:** Sewer Line Replacement  
**Department:** Water Reclamation  
**Project Description:** Line Sewers  
**Existing Condition:** Poor  
**Project Goals:** Line 1 mile of sewer  
**Impacts:** Restore sewer  
**Funding Source:** Water Reclamation Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$2,712,000	\$512,000	\$400,000	\$400,000	\$400,000	\$1,000,000	





**Project Name:** Water Rec Maintenance Blanket  
**Department:** Water Reclamation  
**Project Description:** Maintenance Budget  
**Existing Condition:** Poor  
**Project Goals:** Maintain equipment  
**Impacts:** Restore equipment  
**Funding Source:** Water Reclamation Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$651,762	\$133,462	\$129,575	\$129,575	\$129,575	\$129,575	



**Project Name:** HVAC  
**Department:** Water Reclamation  
**Project Description:** Replace HVAC units at the Waste Water Treatment Plant  
**Existing Condition:** Poor  
**Project Goals:** Replace HVAC units at the Waste Water Treatment Plant  
**Impacts:** Restores optimal heating source for the building  
**Funding Source:** Water Reclamation Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$71,050	\$36,050	\$35,000				





**Project Name:** Vactor Truck  
**Department:** Water Reclamation  
**Project Description:** Replace Vactor truck  
**Existing Condition:** Poor  
**Project Goals:** Replace Vactor truck  
**Impacts:** New equipment  
**Funding Source:** Water Reclamation Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$450,000			\$450,000			

**Vactor 2100 Plus**

OVERVIEW - FAN
OPERATION

**Passenger Side View - Fan**

set flow at a lower rpm, which results in better fuel efficiency without sacrificing performance. Optimized air-routing and filtration system make getting the job done faster, safer and more efficient. The IntelliView electronic system makes operation and troubleshooting easier.

Available options include:

- Cold weather recirculation system
- Liquid debris pump-off system
- Debris flush-out system
- Pump delivery system up to 115 gpm
- Hose reel capacity up to 1,000 ft (305 m)
- Accumulator
- Dual-stage centrifugal compressor

**Driver Side View - Fan**



**Project Name:** Water Meters  
**Department:** Water Reclamation  
**Project Description:** Replace water meters  
**Existing Condition:** Poor  
**Project Goals:** Replace water meters  
**Impacts:** More accurate readings  
**Funding Source:** Water Reclamation Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$400,000	\$100,000	\$100,000	\$100,000	\$50,000	\$50,000	





**Project Name:** WWTP Upgrades  
**Department:** Water Reclamation  
**Project Description:** Upgrade equipment at the Waste Water Treatment Plant  
**Existing Condition:** Poor  
**Project Goals:** Replace above ground infrastructure in next 55 years  
**Impacts:** Keeps WWTP in compliance  
**Funding Source:** IEPA Loan

Total	2019	2020	2021	2022	2023	Beyond 2023
\$9,046,738	\$2,046,738	\$3,000,000		\$4,000,000		



**Project Name:** AS Building Demolition  
**Department:** Water Reclamation  
**Project Description:** Tear down AS Building  
**Existing Condition:** Poor  
**Project Goals:** Tear down AS Building  
**Impacts:** Cleans up the plant.  
**Funding Source:** Water Reclamation Revenue / Cash Reserve

Total	2019	2020	2021	2022	2023	Beyond 2023
\$85,000	\$85,000					

