

---

# Richmond Capital Budget and Program

## “2018 Capital Plan”

### FY2018 through FY2023

(The municipality's fiscal year runs from July 1 through June 30. FY2018 begins on July 1, 2017 and ends June 30, 2018.)

---

**Public Hearing – January 17, 2017 7:30 PM**

**Adopted on January 17 by a majority of the Selectboard**

---

#### Adoption Process Overview

Per Title 24, Section 4443, the Richmond Selectboard must present the proposed capital budget and program for public comment before adoption. Public notice included warning in the Burlington Free Press, posting a notice in three public locations on, and submitting of a copy of the proposed capital budget and program to both the Town Clerk and the Planning Commission.

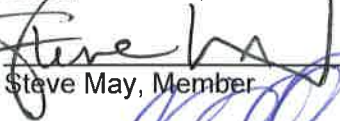
The Planning Commission may submit comments on the proposed capital budget and capital program to the Selectboard prior to the public hearing. The Planning Commission provided comment on a draft at its meeting. After holding one or more public hearings, the Selectboard must reject or adopt the capital budget and program.


Adopted by a majority of the Richmond Selectboard, after a duly held public hearing on January ~~XX~~<sup>17</sup>, 2017.

  
Ellen Kane, Chair

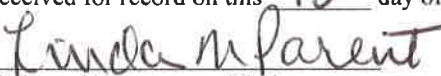
Bard Hill, Vice-Chair

Lincoln Bressor, Member

  
Steve May, Member

  
David Sander, Member

Received for record on this 19 day of January, 2017.

  
Linda M. Parent, Town Clerk

---

# Richmond Capital Budget and Program

## “2018 Capital Plan”

### FY2018 through FY2023

(The municipality’s fiscal year runs from July 1 through June 30. FY2018 begins on July 1, 2017 and ends June 30, 2018.)

---

**Public Hearing – January 17, 2017 7:30 PM**

**Adopted on \_\_\_\_\_ by a majority of the Selectboard**

---

#### Adoption Process Overview

Per Title 24, Section 4443, the Richmond Selectboard must present the proposed capital budget and program for public comment before adoption. Public notice included warning in the *Burlington Free Press* , posting a notice in three public locations on, and submitting of a copy of the proposed capital budget and program to both the Town Clerk and the Planning Commission.

The Planning Commission may submit comments on the proposed capital budget and capital program to the Selectboard prior to the public hearing. The Planning Commission provided comment on a draft at its meeting. After holding one or more public hearings, the Selectboard must reject or adopt the capital budget and program.

Adopted by a majority of the Richmond Selectboard, after a duly held public hearing on January XX, 2017.

---

Ellen Kane, Chair

---

Bard Hill, Vice-Chair

---

Lincoln Bressor, Member

---

Steve May, Member

---

David Sander, Member

Received for record on this \_\_\_\_\_ day of \_\_\_\_\_, 2017.

---

Linda M. Parent, Town Clerk

# CAPITAL BUDGET AND PROGRAM

## TABLE OF CONTENTS

---

<u>SECTION</u>	<u>PAGE</u>
I. INTRODUCTION	02
II. DEFINITIONS	05
III. FUNDING SOURCES FOR THE CAPITAL BUDGET AND PROGRAM	05
IV. CAPITAL PROJECT DESCRIPTIONS AND JUSTIFICATIONS	06
V. BEYOND THE CAPITAL PROGRAM	13

<u>SPREADSHEETS</u>	14
---------------------	----

Spreadsheet 1: Town Capital Items & School Capital Items

Spreadsheet 2: Water and Sewer Capital Items

### APPENDICES

Vermont State Statutes Annotated; Capital Budget and Program

7-Year Gravel Plan

12-Year Paving Plan

## I. INTRODUCTION

---

### Introduction to Vermont's Capital Budget and Program

The Vermont Planning and Development Act (24 V.S.A., Chapter 117) specifically authorizes municipalities with duly adopted municipal plans to adopt capital budgets and programs (§§ 4403, 4443). Capital budgets and programs allow municipalities to prioritize capital expenditures over a specific period of time. A municipal capital budget and program combines a one-year capital budget for the upcoming fiscal year and a five-year capital program (or schedule of investments). The capital budget lists the capital projects to be undertaken during the coming fiscal year, the estimated cost thereof, and the proposed method of financing. It should match exactly those capital projects that are included in the annual budget prepared by the Selectboard and presented for approval by the voters at Town Meeting Day. The capital program is a plan containing capital projects, costs, and methods of financing for each of the next five years. It is a working document intended to provide guidance for a town's future decisions on capital projects.

Chapter 117 also spells out the required content of a capital budget and program (§4430). *[See II. Definitions for a list of the capital budget and capital plan elements.]* The capital budget and program must be arranged to indicate the order of priority for each capital project and to state a description of the proposed project, the estimated total cost of the project, and the proposed method of financing, indicating the amount proposed to be financed by direct budgetary appropriation or duly established reserve funds, by federal or state governments, by impact fees, by type(s) of obligations, together with the period of probable usefulness for which obligations are proposed to be issued. The capital budget and program must also provide an estimate of the effect, if any, on operating costs of the municipality.

All recommended capital budget or capital program items must conform to the municipal plan -- with utility and facility elements as required. The Planning Commission is encouraged to submit recommendations annually to the Selectboard for the capital budget and program and to submit a report to the Selectboard prior to the public hearing for the updated capital budget and program.

### Overview of Richmond's Capital Budget and Program

The Richmond Capital Budget and Program represents a plan of action for the Town and School that furthers the goals of the Richmond Town Plan, assuring that the capital needs of the town are met today and in years ahead. The plan prepares for the future by making certain that our current stock of public facilities will be renewed through updating and modernization and those new facilities for enhanced public service delivery will be available when they are needed.

The Capital Budget and Program is a method for organizing the capital needs of Richmond into a plan for meeting those needs over a six-year period. The Capital Budget and Program sets forth the essential facilities and service mechanisms necessary to support future growth and development and to service the existing population. In assembling the Capital Budget and Program, the goal was not merely to recommend purchasing a truck or repaving a road, but rather to give careful consideration to planning how these capital projects will fit into Richmond's plans for growth and the provision of public facilities and utilities. The intent of this strategy is to enhance the value of our existing and planned growth areas and to provide future taxpayers with a reasonable and cost-effective method to invest in the town's capital infrastructure. The Selectboard has incorporated GASB (Governmental Accounting Standards Board) Statement 34 (requiring a complete inventory of all town capital that now includes the values of sidewalks and roads with depreciation) into the annual town audit.

### Richmond's Current Demographics and Future Projections

In 1990, 1,391 land parcels existed in Richmond. By 2009, Richmond reported **1,685** parcels of land within the town. In addition, since 2000, Richmond's population has diminished slightly from **4,090** to **4,081** persons in **2010** (U.S. Census). There is an anticipated continued need in the foreseeable future, for a demand of additional municipal facilities and services, particularly in the area of police, highway, library and recreational services. To accommodate the need for these improved and/or new facilities and services the tax rate has risen to provide new town staff positions and improved equipment and facilities, as well as keeping up with inflationary pressures. Property tax payers expect and deserve to receive a high level of service for their tax dollar, without experiencing significant fluctuations in their annual tax amount.

The adopted 2012 Richmond Town Plan anticipates Richmond's population will continue to increase at the rate of **2.0%** for the next **10** years. Richmond must anticipate this new growth and its effect on municipal facilities and services and on Richmond's budget. This Capital Budget and Program strives to assist in the planning for the needs of the anticipated growth and the cost to provide and maintain the facilities and services for that growth. The Capital Budget and Program "levels out" the peaks and valleys of capital costs that might otherwise occur.

## **The Town Plan and the Town Capital Budget and Program**

The 2012 Richmond Town Plan states:

- *The Planning Commission and Selectboard will work to ensure that residential growth will coincide with the ability of the Town to provide necessary services without imposing an unfair tax burden on existing residents, through the use of tools such as the Capital Budget and Program and Impact Fee Ordinance (Page 26, #4)*
- *The capital budget and program will be updated annually by the Planning Commission with input from each affected entity. (Page 75, #1)*
- *The Selectboard and Planning Commission will ensure that fire capital expenses are included in the Town Capital Budget and Program, such that impact fees can be levied. (Page 75, #5)*
- *Ensure that School Capital expenses are included in the Town Capital Budget and Program, such that impact fees can be levied. (Page 90, #1C)*

In addition, the *Richmond Town Plan* identifies a utilities and facilities element describing all town departments with regard to existing conditions, and the section puts forth a set of general guidelines to implement the section's objectives. This Capital Budget and Program strives to implement the aforementioned objectives, goals and policies. Specifically, this Capital Budget and Program will help to prevent adverse impacts on town services and our transportation corridors, and adverse fiscal and other associated burdens on town residents.

One of the most important purposes of this Capital Budget and Program is to anticipate the needs of Richmond's residents for public improvements and to provide a sensible program for meeting those needs. The program itself is a summary of the needs of Richmond in terms of public improvements, the estimated costs of these improvements, and the development of priorities for their provision. In general, long-term needs are determined by the *Richmond Town Plan* and the work of the Planning Commission in analyzing land-use and population trends, economic pressures, and general development potentials in terms of the financial capacity of Richmond to provide its services.

## **Background for Richmond's Capital Budget and Program**

In November 2000, an inventory was taken of Richmond's existing capital resources with an inventory of items with a value of \$5,000 or more. Databases for highways and town equipment were utilized to inventory acquisitions and the outside auditors track fixed assets as part of the annual town audit. The school continues to track capital assets through the CESU office. Town and school department staff provided the capital needs information and prioritization and will maintain capital inventory lists for items below \$5,000 within their departments. Revenue sources were identified to fund the capital budget and program. The most recent Richmond Capital Budget and Program was approved in 2011.

## **Summary of Richmond Capital Budget and Program**

The Capital Budget and Program identifies Richmond's highest priorities for capital project expenditures as required by Title 24 VSA, Section 4430, Capital budget and program. All projects listed are a high priority for each department and the town and, as such, there is no priority ranking, but lesser priority projects are removed from the Capital Budget and Program but kept by department heads for consideration in future capital programs. The town's Capital Budget and Program includes: 1) a description of the projects and each of their costs; 2) the proposed method of financing for each project with the period of probable usefulness for which they are proposed to be issued; and, 3) the estimated effect of operating costs upon Richmond. A financing schedule and anticipated sources of funding are included. The Richmond Capital Budget and Program includes only those capital projects with a value of \$5,000.

The total 6-year Town of Richmond capital budget and program, for municipal public services, proposes an expenditure of **\$5,145,809**. For informational purposes, the Town has continued the schedule of capital projects "beyond" this capital program resulting in a snapshot of the town's possible future capital costs. These 20-year

projects are not yet "programmed" or confirmed for future Capital Budget and Programs, except for bond payments or other long-term notes.

Town government capital expenses are broken down as follows: Town Administration (5.5%); Police (4.8%); Library (4.4%); Fire (10.5%); and Highway & Recreation (74.7%).

Revenue sources utilized to fund capital expenditures are grants in aid; general revenues; user fees; borrowing; impact fees; reserve funds, fund-raisers and donations. Water and Sewer Capital items are funded and accounted for separately, although remain a part of the comprehensive Capital Plan.

### **Interpreting the Capital Budget and Program as a Guide to Public Action**

The Capital Budget and Program provides information needed for short-range land use planning and development decisions and serves as a coordinating device for facilities and services planning. It represents Richmond's commitment to provide public capital projects in specific areas within the time period covered by the capital program. Capital projects included in the capital program can be expected to be carried out essentially as programmed, but some projects may be subject to modification, either in scope or timing, based on the review of needs, the availability of funding, or other circumstances which cannot be predicted with any certainty so far in advance. Should substantial modification need to occur in the capital program, the statutory process to amend the Capital Budget and Program would be implemented. One of the objectives of Richmond's management is to refine the budget process to make the programming of capital projects more precise in scope and timing. The intent is to give more reliable information about the availability of public improvements to both the private and public sector decision makers. Another objective is to improve coordination between the town's service departments and the citizens who use and benefit from the services. In the areas of Richmond experiencing the greatest level of development, particularly those outside of the existing growth center, the availability of appropriate support facilities can be critical to the operation of a new project. Likewise, the capacity of existing facilities, such as roads, is an important consideration in building or expanding public facilities into those developing areas.

## II. DEFINITIONS

---

The following definitions are based on the Vermont Planning and Development Act (24 V.S.A., Chapter 117), § 4430.

Capital Budget – Lists and describes the capital projects to be undertaken during the coming fiscal year, the estimated costs of those projects, and the proposed method of financing.

Capital Program - A plan of capital projects proposed to be undertaken during each year two through year five of the Capital Budget and Plan, including the cost for those projects and the method of financing.

Capital Project - A capital project is any one or more of the following:

- (1) Any physical betterment or improvement including furnishings, machinery, apparatus or equipment for that physical betterment or improvement when first constructed or acquired;
- (2) Any preliminary studies and surveys relating to any physical betterment, or improvement;
- (3) Lands or rights in land;
- (4) Any combination of (1), (2), and (3).

Impact Fee – A fee levied as a condition of a zoning or subdivision permit which is used to cover any portion of the costs of an existing or planned capital project that will benefit or is attributable to the users of a new development or to compensate the municipality for any expenses it incurs as a result of construction. The fee may be levied for recoupment of costs for previously extended capital outlay for a capital project that will benefit the users of the development.

## III. FUNDING SOURCES FOR THE CAPITAL BUDGET AND PROGRAM

---

- A. Reserves - A reserve fund is a sum of money raised from the General Fund, via taxes, and/or from impact fees that is deposited in an interest earning account prior to the purchase of a capital project. The purpose of the reserve fund is to spread over a number of years the total amount of money that otherwise would be raised in one year for a capital project. This effectively reduces the sharp increases the tax rate can experience when the money for a large cost capital project is raised in one year. The reserve fund can be planned such that the total sum collected will account for the entire amount of the programmed capital project. Or, a reserve fund can be used to partially pay for a bonded capital project, therefore reducing the total amount of interest to be paid by the town.
- B. Impact Fees - Impact fees are fees charged at the issuance of a zoning or subdivision permit which will be used to cover any portion of the costs of an existing or planned capital project that will benefit or is attributable to the users of the development or to compensate Richmond for any expenses it incurs as a result of construction. Impact fees typically are deposited in a reserve fund until a programmed capital project is purchased. Impact fees are limited to school and fire.
- C. General Obligation Bonds - These loans are written promises by Richmond to pay a specified sum of money (i.e., the principal amount) at a specified date(s) in the future (i.e., the maturity dates) together with periodic interest at a specified rate. A bond typically runs for a longer term and is a more formal instrument than a note or most lease-purchase agreements.
- D. Bank Notes – Short-term, one-year term generally, that is renewed on an annual basis at the then current interest rate. One-year capital equipment replacement loans are utilized for such as police cruisers and dump trucks and typically have been financed for 5 years or less.
- E. State Aid and Grants - State aid in the form of grants or matching funds are utilized in transportation and public school projects.
- F. User Fees - A user fee is a fee imposed upon only the users of a particular public facility or utility. For example, only those residents hooked onto the municipal water and sewer systems will be charged fees for paying for upgrades to the systems.
- G. Fund-raiser - Capital projects financed by fund-raisers are obtained through voluntary contributions and donations.
- H. General Fund - Any capital projects not funded in part or in whole from the aforementioned revenue sources will be financed through the General Fund, i.e., taxes.

## IV. RICHMOND CAPITAL PROJECT DESCRIPTIONS AND JUSTIFICATIONS

---

Each capital project is identified by department, item name and year acquired. An estimated purchase or replacement amount is listed with the year for such activity. A brief description and justification for each capital project is included with the total cost over the program and the year in which each project is programmed for "purchase".

### GENERAL GOVERNMENT

#### TOWN ADMINISTRATION

##### Additional Items:

The Town Administration does not at this time anticipate any additional capital equipment, vehicles or new buildings in the next five years.

##### Building Repair and Maintenance:

<u>Facilities Planning</u>	\$3,000-\$5,000	FY2016-2017
----------------------------	-----------------	-------------

The Town and Library will partner to hire a professional to assess the Town Center and Library buildings and develop a plan for repairs including item prioritization, cost and recommended implementation dates.

<u>Town Center Roof</u>	\$90,000	FY2017
-------------------------	----------	--------

The Town Center roof is curling and peeling. Only the north section was replaced about ten years ago; the remaining shingled roof is at least 25 years old. This proposal replaces the entire shingled roof of Town Center

<u>Town Center Portico Repair</u>	\$5,000	FY2017
-----------------------------------	---------	--------

One column needs to be replaced, with internal drain repaired.

<u>Town Center Window Replacements</u>	\$4000 per window (\$160,000 estimated total)	FY2018-FY2021
--	--	---------------

Over the next several years, the Town Center windows (20 on second floor and 19 on third floor) will be replaced as they are inefficient and significant heat loss occurs during winter. A pilot project for window restoration is currently being conducted for two windows. Either annually or in one major project, the original windows will be refurbished and the ca. 1970 storm windows will be removed and replaced with a new, custom fit storm window at an estimated cost of \$4,000 per window, depending on the amount of work to the window frame and exterior facade.

<u>Town Center Parking Lot</u>	\$85,000	FY2034
--------------------------------	----------	--------

The Town Center Parking Lot was constructed in 2014. The next scheduled repairs are for 2034.

##### Replacement Items:

<u>Photocopy Equipment</u>	\$5,000	FY2018/2019
----------------------------	---------	-------------

The existing photocopier in the Planning/Zoning was replaced in FY2013. The Clerk's photocopier was leased new in FY2012.



**Miscellaneous Items or Sinking Funds:**

Town Reappraisal - Update \$135,000 FY2020

The town reappraisal was completed in 2008. Presently, the town's Grandlist is 95% of fair market value according to the State Property Valuation and Review Division. The next full reappraisal is anticipated to be in FY20 at a cost of \$135,000.

Winooski Riverbank Stabilization  
At Volunteers Green \$40,000 FY2017-2018

There are several areas where the banks of the Winooski River threaten town property: Cochran Road and Volunteers Green. The proposal is to stabilize the bank with riprap materials, however, it would remove vegetation on banks to do so. Town staff to hire an engineer to assess needs, alternatives and timelines. The Selectboard plans to utilize Conservation Reserve Funds for part of this work.

**POLICE**

**Additional Items:**

Police Video Upgrade approx. \$ 24,000 FY2016-  
FY2020

This is replacement for current video cameras in police cruisers. \$6,500 for each system, replacing one each year. Current cameras replaced in 2015; should be on a replacement cycle beginning in FY2019.

Police Station Approx. \$3 million FY2018

The current station has been evaluated and determined to be obsolete and insufficient. Public Safety Building committee is working on proposal for a bond vote to locate and construct a new facility.

Mobile Data Computers for Cruisers \$4,000 each FY2018

Three mobile data computers are priced at \$4,000 each and need to be replaced. Grants may be available to assist. Plan to purchase one in FY2018, apply for grants for additional replacements, rolling in future budgets.

**Replacement Items:**

Cruiser Replacement Cycle approx. \$25,000-\$38,000 per  
Year; Four-year cycle

In FY05 the Town began a three-year rotation schedule for the three cruisers (previously a four-year cycle), which is anticipated to increase the trade-in value and reduce or maintain the current level of annual budget appropriations to purchase new cruisers without taking out long-term loans. In FY11 we moved to a four vehicle fleet, on a four-year replacement schedule. Within this cycle, a four-wheel drive vehicle will be purchased. During FY12 the Chief of Police has recommended going back to a five-vehicle fleet, and replacing two vehicles in FY2013, which has been done in all years since. Effective for FY2017 the Selectboard has decided to lease these vehicles on a 3-year basis, keeping them on a 4-year replacement cycle.

## LIBRARY

### Additional Items:

The Library does not at this time anticipate any additional capital equipment purchases at this time.

### Building Repair and Maintenance:

**Improvements:** **\$5,600** **FY2018**

**Signage:** Sign indicating the library building is faded and rotten. A new sign should be installed (perpendicularly) to the street to facilitate visitors' ability to locate the building. (\$1800) 1<sup>st</sup> Floor Bathroom: Improve lighting, ventilation and heat in the first floor bathroom, replace linoleum tile floor and paint walls. (\$1300) Circulation Desk: The current orientation of the circulation desk was an ad-hoc design when the original plan for the circulation desk during the 2003 renovation was abandoned. Reorient circulation area to better serve patrons. Modify glass panes, remove door, shift circulation desk. (\$2500)

Doors: **\$5200** **FY 2018**

The Bridge Street door (historical double doors) leak extensively during the winter, sometimes sealing the exit with ice: examine means of insulating and weather stripping. If needed, replace: \$3000 The main access door is not particularly secure and is rotting. Replace with more secure door: (\$2200)

Carpet Replacement/Painting (2nd and 3rd floors and stairs) **\$25,000**  
12 year cycle FY15-17

Carpets installed during renovation 2002 scheduled for replacement. Walls are now scuffed and stained and should be repainted. (The first floor carpet was replaced in 2011, 2<sup>ND</sup> floor wood floor refinished in November 2015.)

Basement Sealing **\$15,000** **FY2019**

Basement floor is dirt and the walls have cellulose insulation, causing dampness, rodent infestation and mold due to inadequate ventilation and sealing. Recommendation: install plastic lining and concrete, and remove cellulose insulation in walls and replace with rigid insulation.

### Building owned by Town (under the purview of the Selectboard):

Roof Replacement **\$180,000-240,000** **FY2020**

The aging slate roof is within 10 years of failure and repairs can only go so far. The contemplation of a full replacement using either new slate, metal or asphalt shingle will need to be considered.

### Replacement Items:

Technology Upgrade **\$7,500** **Four-year cycle, FY2018, FY2022**

The Library Trustees propose to upgrade or replace technology-based equipment on a four-year cycle, which includes computers and software and incorporate “hot spots” and improved wireless technology. This effort will provide the best customer service due to the automation of most library services and the library’s mission to provide residents with access to current computer and web-based programming.

(2) Air Conditioner Condenser unit replacements:                    \$6,000 (\$3,000 each)    FY 2020

## FIRE

### Replacement Items:

Fire Engines (3)                    \$375,000 to \$415,000/each engine                    20 year cycle (2021; 2031  
2035)

The Richmond Fire Department currently has three engines, purchased in 2015, 2011, and 2001. The fire engines are programmed for a 20 year replacement cycle.

Breathing Apparatus                    \$3,000/unit                    5 year cycle (15 units)  
Beginning FY2013

Each fire fighter that enters a building or is entering a hazardous area must have a breathing apparatus that is properly functioning and current with fire fighting equipment standards. Existing equipment, Scott Air-Pak equipment, may have a life of 7 years but that length of time results in the equipment needing to be repaired and is often no longer in compliance with current safety standards. Not having a replacement cycle for this item often results in equipment being replaced all at once or on an emergency unbudgeted basis. The proposed 5-year replacement cycle will ensure safe working conditions for our volunteer fire fighters. It is proposed that 5 SCBA’s be replaced each year for three years with two years left before the replacement cycle begins again. FY2015 Will be the final year of this project. Cycle complete this year, will start new cycle.

Station Improvements                    \$35,000                    Current and future fiscal year

The current fire station was built in the 1970s but does not meet modern building codes, ADA codes and has some safety issues. Some actions will be taken as we can identify them. Possible solution is a new facility.

Turnout Gear                    \$50,000                    FY2017-FY2019;  
Replace 5-7 sets each year

Turnout Gear is the heavy coats, hats, boots, etc. worn by firefighters. Current gear is old, obsolete and must be retired. Grants may help with the costs of new gear, however, must be replaced in FY2017-FY2019 with either reserves or short-term borrowing. Require approximately 20 sets.

Brush Truck                    \$55,000                    FY2025; 20 year  
cycle

This vehicle was originally purchased in 2005 and is expected to be replaced in 2025. The brush truck allows firefighters to get equipment either off-road or down roads full-size engines cannot access, however, the brush truck has less fire suppression capability than a full-size engine.

Replacement Fire Station

\$3.5 Million

FY2018

Along with Police Station, preliminary plans call for combined building to house both departments on a yet to be determined site.

**HIGHWAY**

**Additional Items or New Initiatives:**

The Highway Department has no plans for additional vehicles or equipment purchases in the next five years.

**Replacement Items:**

Dump Truck Fleet (4)

\$140,000 per truck

8-year cycle  
#1 FY2015;  
#3 FY2016  
#4 FY2019;  
#2 FY2020

Town dump trucks are replaced on a regular 8-year cycle. The town tries to maintain all vehicles in good to excellent condition to avoid more expensive repairs and downtime that begin to occur after this point. With this cycle, the trade-in value is higher than with a longer term thus lowering the replacement cost to approximately \$120,000 in cash and notes. The town currently has two single-axle and two double-axle dump trucks and no addition to the fleet of four dump trucks is anticipated in the capital program period.

Tractor with Snow Blower – Ventrac

\$44,000

FY2025  
(8-year cycle)

The tractor is used for snow blowing sidewalks and mowing Volunteers Green and other town facilities. The tractor has attachments for various maintenance duties and is well-used over the course of the year. The town is considering transitioning to cash purchases, instead of loans, for items that cost less than a certain amount. This item may be proposed to transition to a cash purchase in future plans. Last replaced in FY2017.

Foreman’s Pickup Truck and Snowplow

\$45,000

FY2021; 4-year cycle

The one existing road foreman’s truck is on a 4-year replacement cycle due to its high use in winter maintenance and role as an emergency response vehicle. Last replaced FY2017. After its life cycle it is expected to rotate to Pickup Truck #2 and that former vehicle removed from the fleet.

Electronic Card Diesel System

\$20,000

FY2019

Replace manual-read diesel pump at Highway Garage with an electronic card-reading and tracking system to improve fuel management.

Road Grader

\$250,000

FY2018; 12-year cycle

The town owns one road grader that is utilized in both the summer and winter months. Other than re-shaping roads in the summer, this piece of equipment can be utilized heavily in the winter to scrape ice from roads. The town has recently begun to monitor its useful life based on hours of operation versus mileage or age. A new road grader was acquired in July 2006. Due to the high cost of both the road grader and excavator, the near-term highway capital reserve fund appropriations should be reviewed to more sufficiently meet the future replacement costs of this item.

<u>Roadside Mower</u>	\$75,000	FY2021
The mower is an integral and cost-effective piece of equipment for the town's roadside maintenance activities. The current tractor was purchased in 2011, replacing an older tractor.		
<u>Front Bucket Loader</u>	\$100,000	FY2024;10-year Cycle
The town owns one front bucket loader utilized in a variety of summer and winter tasks. The current loader was bought in 2014 and is due to be replaced in 2024.		
<u>Excavator – Rubber Tire</u>	\$140,000	FY2025; 12-year cycle
This 2003 excavator is very cost-effective for the town's ditching and gravel maintenance cycles. The life-cycle for a new unit is about 12 years, or 5000 hours. Due to the high cost of both the road grader and excavator, the highway capital reserve fund appropriations should be reviewed to more sufficiently meet the future replacement costs of this item.		
<u>Highway Reserve</u>	\$27,700	Annual Capital Allocation
This reserve provides funding for road reconstruction projects that may not require borrowing. Additionally, emergency road projects can be completed through this reserve without impacting the approved budget.		
<u>Bridge &amp; Culvert Reserve</u>	\$37,000	Annual Capital Allocation
This reserve is designed to provide funding for large bridge and culvert repair projects in the same manner as the Highway Reserve.		
<u>Annual Asphalt Paving</u>	\$292,000	Annually by plan
This is the annual Asphalt Paving Plan according to the attached schedule, that has predetermined increases, and has been funded by taxation and paid for in cash.		
<u>Annual Gravel Plan</u>	\$150,000	Annually by plan
This is the annual gravel road plan, that we use to reconstruct our gravel roads according to the attached schedule. This has predetermined increases funded by taxation and paid for in cash. Major work completed in FY2017, budget has shifted to maintenance of gravel roads and culverts.		
<u>Village Sidewalk Program</u>	\$50,000	Annually for 4 Years Begins FY2019
Village sidewalks along Bridge Street will be replaced with concrete walks per the approved plan from Green Mountain Engineering, and managed in a series of smaller projects over four years. Sidewalk repair in other areas will also be included.		
<u>Storm Drain Replacements</u>	\$120,000	Begins FY2018
Several storm drains in the village are collapsing and in need of repairs. Primary concern is from East Main down Bridge Street to the railroad. Other metal drains are failing as well and will need to be lined or replaced over a period of five years.		
<u>East Main Streetscape</u>	\$650,000	FY2017/FY2018
The East Main Streetscape will be installed in conjunction with the East Main water line replacement, which has already been moved forward by the Water Commission. This is curb and sidewalk improvements along East Main Street in Richmond village. Bond approval in March 2016.		

## RECREATION

**Additional Items:** Possible proposals from the Recreation Committee include tennis courts and small game installations at Volunteers Green.

**Park Maintenance:** Park bathrooms may need interior repairs, planned in FY2018 budget.

## WASTEWATER

### Additional Items or New Initiatives:

Village Infrastructure Upgrades

West Main Sewer Extension \$1,500,000 FY2018/FY2019

Proposal to extend sewer forcemain into Gateway zone.

Jolina Court short extension \$50,000 FY2017/FY2018

Extend wastewater from Bridge Street manhole down 200 feet of Jolina Court.

### Replacement Items:

Collection System Upgrades \$24,000 Annual capital allocation  
Using the 2006 Subsurface Planning Study, the Town intends to development an annual phased repair and replacement plan for village wastewater collection lines, originally constructed in the early 1900's with some newer sections. This annual allocation should be sufficient to begin a long-term process for replacement of all deficient sewer lines.

Treatment Facility Maintenance \$15,000 Annual capital allocation  
This funds replacement pumps, valves or other repairs needed to maintain the treatment facility and associated equipment.

Pickup Truck \$25,000 FY2019; 10 year cycle  
The 2003 pickup truck anticipated useful life is longer than other pickup trucks in the municipality extended due to low use and regular maintenance. This truck performs village tasks and some minor travel to conferences or testing facilities. The needs of the facility require a new pickup truck that operates safely and without excessive repair costs.

## WATER

### Additional Items or New Initiatives:

West Main Street Water Line \$1,000,000 FY2018-FY2019

Proposal to extend municipal water line into the Gateway zone. Subject to voter approval and bonding authority.

Jolina Court water short extension \$50,000 FY2017-FY2018

Extend 200 feet of water line from Bridge Street down Jolina Court.

### Replacement Items:

Distribution System \$25,000 Annual Capital Allocation  
Using the 2004-2005 Subsurface Planning Study, the Town intends to development an annual phased repair and replacement plan for village water distribution lines, some originally installed in the 1930's. This annual allocation should be sufficient to begin a long-term process for replacement of all water

lines, including new shut off valves on the mains as well as new curb stops for existing private services.

**Combined Village Infrastructure and Street Surface Upgrades (taken from Preliminary Engineering Report completed by Green Mountain Engineering in September 2010). Costs are projected at the highest priced option listed in the report.**

<u>Street Upgrades</u>	<u>Full Upgrade Cost</u>	
Jericho Road (Completed June 2012)	\$850,000	FY2012
East Main Street	\$650,000	FY2018
Bridge Street	\$518,050	
Depot Street (Completed September 2013)	\$80,000	FY2014
Pleasant Street	\$37,000	
Millett-Tilden-Baker Streets	\$48,000 (sidewalk only at this time)	
Cochran Road	\$49,000	

<u>Water and Wastewater Infrastructure Upgrades</u>		
Jericho Road (Completed June 2012)	\$960,000	FY2012
East Main Street	\$1,200,000	FY2017
Bridge Street	\$415,080	
Depot Street (Completed September 2013)	\$63,000	FY2014
Pleasant Street	\$260,000	FY2017
Millett-Tilden-Baker Streets	\$208,620	
Cochran Road	\$176,750	
Water Storage Tank	\$1,499,000	FY2017

## V. BEYOND THE CAPITAL PROGRAM

---

The Town of Richmond has prepared a 20-year capital needs projection primarily based on the replacement cycle for existing capital infrastructure and preliminary long-range capital infrastructure expansions, acquisitions and renovations. Prioritization and financing have not yet been determined, and no project has a significant impact on the adopted Capital Budget and Program. The information does however provide a reasonable projection, based on current information, of the potential needs for the foreseeable future. For this document the spreadsheets have been abridged to only show the FY2017-FY2022 expenditures. A copy of the full 20-year sheets is available from the Town Manager.

*Spreadsheets Inserted Here for Capital Budget, Capital Program for Town, School and Water Resources (formerly Water & Sewer.)*



## APPENDIX ONE

### VERMONT STATUTES ANNOTATED PERTAINING TO THE CAPITAL BUDGET AND PROGRAM

---

There are a number of statutory references pertaining to the Capital Budget and Program. Though redundant to earlier text, the references are listed below. This is only a summary; full text must be obtained from the statute.

#### 24 VSA Section 4430. Capital budget and program.

- (a) A capital budget shall list and describe the capital projects to be undertaken during the coming fiscal year, the estimated cost thereof, and the proposed method of financing. A capital program is a plan of capital projects proposed to be undertaken during each of the following five years, the estimated cost thereof and the proposed method of financing. A capital project is:
  - (1) any physical betterment or improvement including furnishings, machinery, apparatus or equipment for such physical betterment or improvement when first constructed or acquired;
  - (2) any preliminary studies and surveys relating to any physical betterment, or improvement;
  - (3) land or rights in land; or
  - (4) any combination of paragraphs (1), (2), and (3) of this subsection.
- (b) The capital budget and program shall be arranged in such manner as to indicate the order of priority of each capital project, and to state for each project:
  - (1) a description of the proposed project and the estimated total cost thereof;
  - (2) the proposed method of financing, indicating the amount proposed to be financed by direct budgetary appropriation or duly established reserve funds; the amount, if any, estimated to be received from the federal or state governments; and the amount to be financed by the issuance of obligations, showing the proposed type or types of obligations, together with the period of probable usefulness for which they are proposed to be issued; and
  - (3) an estimate of the effect, if any, upon operating costs of the municipality.
- (c) The planning commission may submit recommendations annually to the legislative body for the capital budget and program, which shall be in conformance with the municipal development plan.

#### 24 VSA Section 4443. Adoption, amendment, or repeal of capital budget and program.

- (a) . . . a capital budget and program may be adopted . . . by the legislative body . . . following one or more public hearings, upon public notice, if a facilities and services plan as described in Section 4382(a)(4) has been adopted by the legislative body in accordance with sections 4384 and 4385 of this title. A copy of the proposed capital budget and program shall be filed at least 15 days prior to the final public hearing with the clerk of the municipality and the secretary of the planning commission. The planning commission may submit a report on the proposal to the legislative body prior to the public hearing.
- (b) The capital budget and program . . . shall be adopted . . . by an act of the legislative body of a municipality promptly after the final public hearing held under subsection (a) of this section.

**APPENDIX TWO**  
REPORT ON TRENDS IN EXPENDITURES AND REVENUES

---

Refer to 2004 Impact Fee Study dated May 25, 2004 and prepared by David Spitz for demographic and financial data summaries. On file in the Town Manager's Office.

**FY2018 Richmond Capital Budget and Program**  
**Capital Items +\$5,000 per unit**  
*Public Hearing January 17, 2017*

Department & Item	Description & Replace Cycle	Bond, Note or Cash	Last Payment	FY16 through FY21 Summary	Source	Capital Budget FY18	Capital Program Years (The five fiscal years following the Capital Budget Year)				
							FY19	FY20	FY21	FY22	FY23
Town Center / Post Office	Convert school wing to post office	Complete		\$ -	Principal (TC Fund)	-					
Bond 1	estimated life 30 years	Paid		\$ -	Interest (TC Fund)	-					
Library/Town Center	Convert school to town offices	Complete		\$ -	Principal (GF)	-					
Bond 2a	estimated life 30 years	Paid		\$ -	Interest (See Library Budget)	-					
Town Center Repairs											
	Replacement of 39 Windows	Cash		\$ 140,000	TC Fund		140,000				
	Roof Replacement	Cash			TC Fund	90,000					
	Town Center Furnaces (completed FY14)	Complete		\$ -	TC Fund						
	Chimney Repairs (completed FY14)	Complete		\$ -	TC Fund						
	Repair/Resurface Parking Lot (completed FY15)	Cash			TC Fund						
	Town Center Portico Repairs	Cash		\$ 5,000	TC Fund	5,000					
	Office Renovations (Completed FY13)	Complete		\$ -	TC Fund						
Town Reappraisal	Cycle: 2008 - 2020 - cycle to maintain CLA/COD	Cash		\$ 135,000	RR			135,000			
Administration	Replacement Copier for Clerk	Lease		\$ 5,000	GF	1,000	1,000	1,000	1,000	1,000	
				\$ -							
	<b>Administration Subtotals</b>			<b>\$ 285,000</b>	<b>Principal</b>	<b>96,000</b>	<b>141,000</b>	<b>136,000</b>	<b>1,000</b>	<b>1,000</b>	<b>-</b>
				<b>\$ -</b>	<b>Interest</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total</b>			<b>\$ 285,000</b>		<b>96,000</b>	<b>141,000</b>	<b>136,000</b>	<b>1,000</b>	<b>1,000</b>	<b>-</b>
	<b>Term / Last Payment</b>			<b>FY21 Summary</b>		<b>FY18</b>	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>
Video Cameras	Replace Video Cameras in Cruisers	Short Term Loan		\$ 14,000	Principal (GF)	3,500	3500	3500	3500		
	Cycle: 2015 and as needed			\$ -	Interest						
Police Cruiser 1	Cycle: 2016-2020-2024	Cash		\$ 30,000	Principal (GF)			10,000	10,000	10,000	
	Fleet Maintenance on 4-yr cycle - begin FY11			\$ -	Interest						
Police Cruiser 2	Cycle: 2017-2021-2025	Cash		\$ 40,000	Principal (GF)	10,000			10,000	10,000	10,000
	4-yr cycle			\$ -	Interest						
Police Cruiser 3	Cycle: 2018-2022-2026	Cash		\$ 50,000	Principal (GF)	10,000	10,000	10,000		10,000	10,000
	4-yr cycle			\$ -	Interest						
Police Cruiser 4	Cycle: 2019-2023-2027	Cash		\$ 40,000	Principal (GF)		10,000	10,000	10,000		10,000
	4-yr cycle			\$ -	Interest						
Police Cruiser 5	Cycle: 2017-2021-2025	Lease		\$ 50,000	Principal (GF)	10,000	10,000		10,000	10,000	10,000
	4-yr cycle			\$ -	Interest						
Mobile Data Computers	Five computers beginning FY2017	Cash		\$ 24,000	Principal (GF)	4,000	4,000	4,000	4,000	4,000	4,000
	5 year cycle			\$ -							
	<b>Police Subtotals</b>			<b>\$ 248,000</b>	<b>Principal</b>	<b>37,500</b>	<b>37,500</b>	<b>37,500</b>	<b>47,500</b>	<b>44,000</b>	<b>44,000</b>
				<b>\$ -</b>	<b>Interest</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total</b>			<b>\$ 248,000</b>		<b>37,500</b>	<b>37,500</b>	<b>37,500</b>	<b>47,500</b>	<b>44,000</b>	<b>44,000</b>
	<b>Term / Last Payment</b>			<b>FY21 Summary</b>		<b>FY18</b>	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>
Library Facilities Improvements	Minor repairs to building	Cash		\$ 31,800	Principal (LCR)	10,800	15,000	6,000			
	Varies by year			\$ -	Interest						
Library Technology Upgrades	Electronic inventory and searching, FY10, FY14, FY19	Cash		\$ 15,000	Principal (GF)	7,500				7,500	
	7500 4-year cycle - Technology cycle through GF			\$ -	Interest						
Library Roof	40 Year Cycle Note			\$ 180,000	Principal			180,000			
				\$ -							
	<b>Library Subtotals</b>			<b>\$ 46,800</b>	<b>Principal</b>	<b>18,300</b>	<b>15,000</b>	<b>186,000</b>	<b>-</b>	<b>7,500</b>	<b>-</b>
				<b>\$ 180,000</b>	<b>Interest</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total</b>			<b>\$ 226,800</b>		<b>18,300</b>	<b>15,000</b>	<b>186,000</b>	<b>-</b>	<b>7,500</b>	<b>-</b>
	<b>Term / Last Payment</b>			<b>FY21 Summary</b>		<b>FY18</b>	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>
Fire Engine 2011	Cycle: 2011- 2031	2011P		\$ -	Principal (FCR/IMP-F)						
		Note exp 2016		\$ 50,493	Principal (GF)	50,493					
	343,950 estimated life 20 years	Interest		\$ 1,010	Interest						
Fire Engine 2015	Cycle: 2015 - 2035	2015P		\$ 282,000	Principal (FCR)		56,400	56,400	56,400	56,400	56,400
	455,000 estimated life 20 years	Interest		\$ 25,242	Interest		8,460	6,750	4,950	3,390	1,692
Fire Engine 2001	Cycle: 2001 - 2021	2001 P		\$ -	Principal (GF)						
	210,000 estimated life 20 years	Interest		\$ -	Interest						
Brush/Equipment Truck	Cycle: 2009-2029	Paid		\$ -	Principal (GF)						
	52,198 estimated life 20 years	Interest		\$ -	Interest						
Breathing Aparatus	15 units to be placed in cycle - \$3K per unit 3/yr in cycle	2013P		\$ 90,000	Principal (FCR)	15,000	15,000	15,000	15,000	15,000	15,000
	45,000 estimated life 5 years	Interest		\$ -	Interest						
Turnout Gear	20 Sets of turnout gear to be replaced on 10 year cycle			\$ 70,000		35,000	35,000				

**FY2018 Richmond Capital Budget and Program**  
 Capital Items +\$5,000 per unit  
 Public Hearing January 17, 2017

Department & Item	Description & Replace Cycle	Bond, Note or Cash Payment	Last	FY16 through FY21 Summary	Source	Capital Budget	Capital Program Years				
							( The five fiscal years following the Capital Budget Year )				
						FY18	FY19	FY20	FY21	FY22	FY23
\$	100,000	Cycle 20 years starting FY2017		\$ -							
Fire Utility Truck 2005	Cycle: 2006 - 2031	Bond exp 2025	2005P	\$ 60,000	Principal (GF)	10,000	10,000	10,000	10,000	10,000	10,000
\$	215,000	estimated life 25 years	Interest	\$ 33,400	Interest	6,600	6,200	5,800	5,400	4,900	4,500
		<b>Fire Subtotals</b>		\$ 482,493	<b>Principal</b>	110,493	116,400	81,400	81,400	81,400	81,400
				\$ 59,652	<b>Interest</b>	6,600	14,660	12,550	10,350	8,290	6,192
			Total	\$ 542,145		117,093	131,060	93,950	91,750	89,690	87,592

**FY2018 Richmond Capital Budget and Program**

Capital Items +\$5,000 per unit

Public Hearing January 17, 2017

Department & Item	Description & Replace Cycle	Bond, Note or Cash Payment	Last	FY16 through FY21 Summary	Source	Capital Budget FY18	Capital Program Years ( The five fiscal years following the Capital Budget Year )					
							FY19	FY20	FY21	FY22	FY23	
Highway Dump Truck 2015 TANDEM	Cycle: 2015 - 2023 - 2031	Note 2015 Expires 2019	2015P	\$ 75,000	Principal (HF)	25,000	25,000	25,000				
			2023P	\$ -	Principal (HF)							
			2031P	\$ -	Principal (HF)							
\$ 130,000	Fleet Maintenance on 8-yr cycle		Interest	\$ 3,616	Interest (HF)	1,808	1,205	603				
Highway Dump Truck 2012	Cycle: 2012 - 2020 - 2028	Note 2012 Expires 2017	2012P	\$ 100,000	Principal (HF)			25,000	25,000	25,000	25,000	
			2020P	\$ -	Principal (HF)							
			2028P	\$ -	Principal (HF)							
\$ 125,000	Fleet Maintenance on 8-yr cycle		Interest	\$ 6,750	Interest (HF)				3,000	2,250	1,500	
Highway Dump Truck 2016 TANDEM	Cycle: 2016 - 2024 - 2032	Note exp 2021	2008P	\$ -	Principal (HF)							
			2016P	\$ 50,000	Principal (HF)	25,000	25,000					
			2024P	\$ -	Principal (HF)							
\$ 135,000	Fleet Maintenance on 8-yr cycle		Interest	\$ 5,750	Interest (HF)	3,750	2,000					
Highway Dump Truck 2011	Cycle: 2019 - 2027 - 2035	Note 2012 Expires 2016	2011P	\$ -	Principal (HF)							
			2019P	\$ 125,000	Principal (HF)		25,000	25,000	25,000	25,000	25,000	25,000
			2027P	\$ 11,150	Principal (HF)			3,250	3,000	2,700	2,200	
\$ 125,000	Fleet Maintenance on 8-yr cycle		Interest	\$ -	Interest (HF)			-				
Road Grader 2006	Cycle: 2006 - 2018 (useful life of 5000 hours /about 12 yrs)	Bond/Note	2007P	\$ 215,000	Principal (HF)		43,000	43,000	43,000	43,000	43,000	43,000
\$ 220,000			Interest	\$ 18,750	Interest (HF)		6,250	5,000	3,750	2,500	1,250	
Front Bucket Loader 2014	Cycle: 2014-2024 (useful life of 5000 hours /about 10 yrs)	Note 2014 Exp 2016	2014P	\$ -	Principal (HF)							
\$ 100,000			Interest	\$ -	Interest (HF)							
Excavator 1989	Cycle: 2013 - 2025 (useful life of 5000 hours /about 12 yrs)	Note 2012 Expires 2017		\$ -	Principal (HF)							
\$ 110,000				\$ -	Interest (HF)							
Pickup and Snowplow #1 Foreman	Cycle: 2013 - 2017-2021 estimated life 4 years	Cash	2017 P	\$ 55,000	Principal (HF)				55,000			
\$ 45,000			Interest	\$ -	Interest (HF)							
Pickup and Snowplow #2	Cycle: 2013-2017-2021 Pickup #1 Rotates to Pickup #2 estimated life 4 years	Paid		\$ -	Principal (HF)							
\$ -				\$ -	Interest (HF)							
Roadside Mower	Cycle: 2012 - 2027 (useful life of 10,000 hours /about 15 yrs)	Paid	2012P	\$ -	Principal (HWYR)							
\$ 75,000			Interest	\$ -	Interest (HF)							
Tractor w/ Snowblower	Cycle: 2009 - 2017	Paid	2009P	\$ -	Principal (HF)							
	Ventrac		2017P	\$ -	Principal (HF)							
\$ 40,000	estimated life 8 years		Interest	\$ -	Interest (HF)							
		<b>Rolling Stock Subtotal</b>		\$ 631,150	<b>Principal</b>	<b>50,000</b>	<b>118,000</b>	<b>121,250</b>	<b>151,000</b>	<b>95,700</b>	<b>95,200</b>	
				\$ 34,866	<b>Interest</b>	<b>5,558</b>	<b>9,455</b>	<b>5,603</b>	<b>6,750</b>	<b>4,750</b>	<b>2,750</b>	
		<b>TOTAL</b>		\$ 666,016		<b>55,558</b>	<b>127,455</b>	<b>126,853</b>	<b>157,750</b>	<b>100,450</b>	<b>97,950</b>	

### FY2018 Richmond Capital Budget and Program

Capital Items +\$5,000 per unit

Public Hearing January 17, 2017

Department & Item	Description & Replace Cycle	Bond, Note or Cash Payment	Last	FY16 through FY21 Summary	Source	Capital Budget FY18	Capital Program Years ( The five fiscal years following the Capital Budget Year )				
							FY19	FY20	FY21	FY22	FY23
<b>Highway Continued</b>											
Paved Road Plan	Cycle: Annually pave a portion of network After 12 years, all roads completed	Cash		\$ 1,770,000	Principal (HF)	292,000	294,000	294,000	296,000	296,000	298,000
				\$ -	Interest (HF)						
Gravel Road Plan	Cycle: Annually gravel portion of network After 7 years, all roads completed	Cash		\$ 900,000	Principal (HF)	150,000	150,000	150,000	150,000	150,000	150,000
				\$ -	Interest (HF)						
				\$ -	Interest (HF)						
Electronic Card Diesel System		cash		\$ 20,000	Principal (HF)	-	20,000				
\$ 10,000				\$ -	Interest (HF)						
				\$ -	Principal (HF)						
				\$ -	Interest (HF)						
Highway Garage Bond	Town Highway Garage	Bond 2018		\$ 20,000		20,000					
\$ 450,000	1998 - estimated life 30 years			\$ 540	Interest (HF)	540					
<b>Village Infrastructure Projects</b>											
Various Sources											
Project 4a Millet-Tilden-Baker Storm Sewer Improvements (ARRA Loan)		\$ 160,000		\$ 48,000	Principal & Interest, Town Share	8,000	8,000	8,000	8,000	8,000	8,000
Project 7a Sewer Lining and Manholes, Bridge Street North		(Water Resources)		\$ -							
Project 1 Pleasant Street (Total Project)		\$ 221,740		\$ -							
Project 2 Depot Street (Total Project)		Complete 2014		\$ 20,000	Principal (HF)	20,000					
Project 3 Cochran Road (Total Project)		\$ 225,750		\$ -							
Project 4 Millet-Tilden-Baker (Surface improvements only)		\$ 48,000		\$ -							
Project 5 Jericho Road: Bonded (Town Share)		\$ 868,800		\$ 395,808		68,348	67,396	66,444	65,492	64,540	63,588
Project 6 East Main Street (Total Project)		\$ 1,097,105		\$ -							
Project 7 Bridge Street North End (Total Project)		\$ 933,130		\$ -							
				\$ -							
Winooski Riverbank Erosion Control		Conservation Reserve									
\$ 40,000		GF Budget		\$ 40,000		30,000	10,000				
<b>Recreation Department</b>											
Park Improvements	Bathroom Repairs	Cash		\$ 3,500	Principal (GF)	3,500					
				\$ -							
				\$ -							
				\$ -							
				\$ -							
				\$ -							
<b>Non-Rolling Stock SubTotal</b>				\$ 3,177,308	Principal	591,848	549,396	518,444	519,492	518,540	519,588
<b>Non-Rolling Stock SubTotal</b>				\$ 540	Interest	540	-	-	-	-	-
<b>TOTAL</b>				\$ 3,177,848		592,388	549,396	518,444	519,492	518,540	519,588
<b>Highway - All Capital Items Principal</b>				\$ 3,808,458	Principal	641,848	667,396	639,694	670,492	614,240	614,788
<b>Highway - All Capital Items Interest</b>				\$ 35,406	Interest	6,098	9,455	5,603	6,750	4,750	2,750
<b>Highway - All Capital Items - Grand Total P &amp; I</b>				\$ 3,843,864		647,946	676,851	645,297	677,242	618,990	617,538

Town Capital Budget and Program		FY21 Summary	FY18	FY19	FY20	FY21	FY22	FY23
TOTAL Principal		\$4,870,751	\$ 904,141	\$ 977,296	\$ 1,080,594	\$ 800,392	\$ 748,140	\$ 740,188
TOTAL Interest		\$275,058	\$ 12,698	\$ 24,115	\$ 18,153	\$ 17,100	\$ 13,040	\$ 8,942
<b>GRAND TOTAL</b>		<b>\$5,145,809</b>	<b>\$ 916,839</b>	<b>\$ 1,001,411</b>	<b>\$ 1,098,747</b>	<b>\$ 817,492</b>	<b>\$ 761,180</b>	<b>\$ 749,130</b>
<b>Funds from Non-General Fund budget resources</b>								
LCR Library Capital Reserve Fund			18,300	15,000	6,000	0	7,500	0
BR Town Bridge Reserve Fund - Match on Bridge projects			0	0	0	0	0	0
TC Fund Town Center Lease Revenue			0	0	0	0	0	0
TC Fund Town Center Lease Revenue - Maintenance			5,000	140,000	0	0	0	0
			0	0	0	0	0	0
FCR Fire Capital Reserve Fund			15,000	15,000	15,000	15,000	15,000	15,000
CRF Conservation Reserve Fund			0	0	0	0	0	0
RR Reappraisal Reserve			0	0	135,000	0	0	0
HWYR Highway Capital Reserve			0	0	0	55,000	0	0
SA State Aid or Grants			0	0	0	0	0	0
DON Recreation Donations			0	0	0	0	0	0
IMP-F Impact Fees ( Fire )			0	0	0	0	0	0
<b>TOTAL Off-Setting Resources</b>			<b>38,300</b>	<b>170,000</b>	<b>156,000</b>	<b>70,000</b>	<b>22,500</b>	<b>15,000</b>

**Notes:**  
 GF = General Fund Expense, funded in current year budget  
 HF = Highway Fund Expense, funded in current year budget  
 Cash = No borrowing for cash purchases  
 Bond or Note = Long-term or Short-term borrowing

<b>6-year Budget and Program Totals</b>	
Town	\$5,145,809
Water Resources	\$1,304,375
School #REF!	
Total 6-year capital plan #REF!	

**FY2018 Richmond Capital Budget and Program**  
 Capital Items +\$5,000 per unit  
*Public Hearing January 17, 2017*

Department & Item	Description & Replace Cycle	Bond, Note or Cash Payment	Last	FY16 through FY21 Summary	Source	Capital Budget	Capital Program Years ( The five fiscal years following the Capital Budget Year )					
						FY18	FY19	FY20	FY21	FY22	FY23	
Municipal Split	Town #REF!											
	Water Resources #REF!					\$ 878,539	\$ 831,411	\$ 942,747	\$ 747,492	\$ 738,680	\$ 734,130	
	School #REF!											
	#REF!											
	Net Impact as a % of Grandlist					19.86%	18.61%	20.89%	16.40%	16.05%	15.79%	
Total FY16-FY21 Town	\$ 5,145,809				Est. Grandlist	4,423,972	4,468,212	4,512,894	4,558,023	4,603,603	4,649,639	
	Administration 5.5%				April 1, 2014 Grandlist							
	Police 4.8%				\$ 4,423,972							
	Library 4.4%											
	Fire 10.5%											
	Highway & Recreation 74.7%											
	100.0%											
					Dept	admin	pol	lib	fire	highway	TOTAL	
					P & I	\$ 285,000	\$ 248,000	226,800	542,145	\$ 3,843,864	\$ 5,145,809	
					percent	5.5%	4.8%	4.4%	10.5%	74.7%	100.0%	

**FY2018 Richmond Capital Budget and Program**  
 Capital Items +\$5,000 per unit  
 Public Hearing January 17, 2017

Department & Item	Description & Replace Cycle	Bond, Note or Cash Payment	Last	FY16 through FY21 Summary	Source	Capital Budget FY18	Capital Program Years ( The five fiscal years following the Capital Budget Year )					
							FY19	FY20	FY21	FY22	FY23	
<b>SCHOOL CAPITAL</b>												
<b>Mount Mansfield Union School District Capital Costs</b>												
							FY18	FY19	FY20	FY21	FY22	FY23
Middle School Additions	Add classrooms to both middle schools	20 year bond		\$ -	Principal							
\$ 1,730,000	1993 20-year life	last payment 2014		\$ -	Interest							
Heating System	Modify to burn wood chips	20 year bond		\$ -	Principal							
\$ 800,000	1994 MMU, BRMS & CHMS	last payment 2015		\$ -	Interest							
High School Addition	Add classrooms to high school	20 year bond		\$ -	Principal							
\$ 4,130,000	1996	last payment 2017		\$ -	Interest							
District Roof Projects	Replace roofs on two middle schools and high school	5 year bond		\$ -	Principal							
\$ 2,100,000		last payment 2011		\$ -	Interest							
Athletic Fields	Renovation and new field construction			\$ 380,000	Principal	95,000	95,000	95,000	95,000	95,000	95,000	95,000
\$ 2,100,000	2011			\$ 182,952	Interest	51,310	47,671	43,914	40,057	36,105	32,063	
Energy Efficiency	Energy Efficiency at High School	17 Year Bond 0% Interest		\$ 402,000	Principal	67,000	67,000	67,000	67,000	67,000	67,000	67,000
\$ 1,139,000	2010	Last Payment FY2127		\$ -	Interest	-	-	-	-	-	-	-
School Bus	Replacement Cycle - Four per year	Cash payments		\$ 2,148,000	Principal	348,000	352,000	356,000	360,000	364,000	368,000	
	9 year life - 35 in Fleet	\$80,000/each		\$ -	Interest							
				\$ 3,482,000	Principal	707,000	711,000	510,000	514,000	518,000	522,000	
				\$ 308,319	Interest	64,850	60,517	51,310	47,671	43,914	40,057	
				\$ 3,790,319	<b>Total P &amp; I</b>	<b>771,850</b>	<b>771,517</b>	<b>561,310</b>	<b>561,671</b>	<b>561,914</b>	<b>562,057</b>	
	<b>Richmond's Share of MMU Capital Costs = 27.90%</b>		Richmond	\$ 971,478	Principal	197,253	198,369	142,290	143,406	144,522	145,638	
			Richmond	\$ 86,021	Interest	18,093	16,884	14,315	13,300	12,252	11,176	



**TOWN OF RICHMOND 12-YEAR PAVING CYCLE**

January 2017

FISCAL YEAR	Budget Amount	Miles Paved or Planned	Road and Mileage to be paved	Notes
FY 18 Summer 2017	292,000	2.13	Huntington Road - remaining .40 miles of 4.15 miles; Greystone Drive - .95 miles of .95 miles; Highland Drive - .20 miles of .20 miles; Apple Tree Lane - .10 miles of .10 miles; Church Street - .18 miles of .18 miles; Duxbury Road - .20 miles of .20 miles; Bridge Street .10 miles of .60 miles	Developments not grant eligible Heavy road shim needed for developments Bridge Street resurface after storm drain replacement from traffic light to RR tracks
FY 19 Summer 2018	294,000	2.40	Wes White Hill Road - .90 miles of .90 miles; Cochran Road - 1.40 miles of 3.68 miles; Dugway Road apron - .10 miles of .10 miles	Cochran Road grant eligible ( last resurfaced 2010)
FY 20 Summer 2019	294,000	2.28	Cochran Road - remaining 2.28 miles of 3.68 miles	Cochran Road grant eligible ( last resurfaced 2010)
FY 21 Summer 2020	296,000	2.20	Hinesburg Road - 2.20 miles of 3.90 miles	Hinesburg Road grant eligible ( last resurfaced 2011)
FY22 Summer 2021	296,000	2.25	Hinesburg Road - remaining 1.70 miles of 3.90 miles; Kenyon Road apron - .05 of .05 miles; East Hill Road - .50 miles of 1.20 miles	Hinesburg Road grant eligible ( last resurfaced 2011)
FY23 Summer 2022	298,000	2.24	East Hill Road - remaining .70 miles of 1.20 miles; Sherwood Forest Road - .07 miles of .07 miles; Bridge Street - remaining .47 miles of .57 miles; Burnett Court - .11 miles of .11 miles ; Brown's Court - .19 miles of .19 miles; Millett Street - .13 miles of .13 miles; Tilden Avenue - .18 miles of .18 miles; Baker Street - .11 miles of .11 miles; Lemroy Court - .19 miles of .19 miles School Street - .09 miles of .09 miles	Village Streets not grant eligible Bridge Street resurfacing after storm water and sidewalk replacement ( last resurfaced 2007)
FY24 Summer 2023	298,000	2.33	Jericho Road - 2.33 miles of 2.33 miles	Jericho Road grant eligible ( last resurfaced 2014)
FY 25 Summer 2024	298,000	2.02	Esplanade Street - .26 miles of .26 miles; Round Church Road - .07 miles of .07 miles; Railroad Street - .16 miles of .16 miles; Mary Drive - .22 miles of .22 miles; Hidden Pines Drive - .20 miles of .20 miles; Hidden Pines Circle - .70 miles of .70 miles; Hidden Pines Extension - .11 miles of .11 miles; Joan Avenue - .30 miles of .30 miles	Village streets not grant eligible Developments ( last resurfaced 2014 )
FY 26 Summer 2025	300,000	2.44	Southview Drive - 1.30 miles of 1.30 miles; Westall Drive - .45 miles of .45 miles; Westall Extension - .09 miles of .09 miles; Bradford Terrace - .20 miles of .20 miles; Town Center parking lot - .25 miles of .25 miles; Toscano parking lot - .15 miles of .15 miles	Developments ( last resurfaced 2014 )
FY 27 Summer 2026	302,000	3.56	Huntington Road - 1.80 miles of 4.15 miles; Governor Peck Highway - .80 miles of .80 miles; Roger's Lane - .10 miles of .10 miles; Johnnie Brook - .15 miles of .15 miles; Thompson Road - .33 miles of .33 miles; Farr Road - .11 miles of .11 miles; Pleasant Street - .12 miles of .12 miles; Depot Street - .15 miles of .15 miles	Governor Peck Highway and Huntington Road grant eligible ( last resurfaced 2016)
FY 28 Summer 2027	302,000	3.54	Huntington Road - remaining 1.95 miles of 4.15 miles; Mountain View Drive - .74 miles of .74 miles; Collins Mountain Road - .35 miles of .35 miles; Hillview Road - .40 miles of .40 miles; Cemetary Road - .10 miles of .10 miles	Huntington Road grant eligible (last resurfaced 2016)
FY 29 Summer 2028			NEW 12 – YEAR CYCLE BEGINS	
	3,270,000	27.39	<i>Variable: Budgetary; Loans &amp; Grants; Inflation; Weather &amp; Emergencies; Type of Road Repair Needed</i>	Village streets are estimated at a higher cost due to utilities and paving quantities



**TOWN OF RICHMOND 7 - YEAR GRAVEL PLAN**

Jan-17

<b>FISCAL YEAR</b>	<b>Gravel &amp; Fabric</b>	<b>Rental Equipment to Haul Gravel</b>	<b>Culvert repair or replacement</b>	<b>Brush clearing, flagging &amp; ditching</b>	<b>Miles</b>	<b>Road and Mileage to receive gravel resurfacing</b>
FY 18 Summer 2017	\$150,000	\$25,000	\$2,500	\$2,500	3.05	(ONLY RESURFACING NEEDED. ALL GRAVEL ROAD BASES REPAIRED) Kenyon Road - 2.25 miles of 2.25 miles; Cemetary Road - .80 miles of .80 miles
FY 19 Summer 2018	\$150,000	\$25,000	\$2,500	\$2,000	2.60	Roger's Lane - .40 miles of .40 miles; Dugway - 1.50 miles of 3.35 miles; Lawrence Road - .30 miles of .30 miles; Besaw Road - .10 miles of .10 miles; Grandview Drive - .30 miles of .30 miles
FY 20 Summer 2019	\$155,000	\$25,000	\$1,500	\$2,000	2.85	Dugway Road - remaining 1.85 miles of 3.35 miles; Wes White Hill Road - 1.0 miles of 2.10 miles
FY 21 Summer 2020	\$155,000	\$25,000	\$2,500	\$2,000	2.8	Wes White Hill Road - remaining 1.10 miles of 2.10 miles; Stage Road - 1.50 miles of 2.80 miles; Jones Mill Road - .20 miles of .20 miles
FY22 Summer 2021	\$160,000	\$25,000	\$2,500	\$2,000	3.30	Stage Road - remaining 1.30 miles of 2.80 miles; Williams Hill Road - 1.40 miles of 1.40 miles; Old County Road .30 miles of .30 miles; Worthiem Road - .30 of .30 miles
FY 23 Summer 2022	\$160,000	\$25,000	\$2,500	\$2,000	3.40	Jonnie Brook Road - 1.40 miles of 1.40 miles; Snipe Ireland Road - 2.0 miles of 2.55 miles
Fy 24 Summer 2023	\$160,000	\$30,000	\$2,500	\$2,000	3.35	Snipe Ireland Road - remaining .55 miles of 2.55 miles; Hillview Road - 2.30 miles of 2.30 miles; Christmas Hill Road .50 miles of .50 miles
	<b>7-year resurfacing cycle continues</b>					