

MEMO: Hardwick Select Board, David Upson & Mike Henry

FROM: Tonia Chase

Date: May 07, 2026

Subject: Liquor, Tobacco & Tobacco Substitute Endorsement License Request

Hello Everyone:

Tonight you have the following permits for consideration.

First Class license for:

Positive Pizza, Inc. d/b/a Positive Pie
The Cork & Fork LLC

Second Class Licenses for:

VISAT 117 CORP d/b/a Hardwick Gas & Convenience Store **NEW**
Hardwick Convenience & Deli, LLC
GSB, LLC d/b/a D&L Beverage & Deli
Buffalo Mountain Co-op, Inc.

Third Class Licenses for:

Positive Pizza, Inc. d/b/a Positive Pie
The Cork & Fork LLC

Outside Consumption Permit for:

Positive Pizza, Inc. d/b/a Positive Pie

Tobacco License:

VISAT 117 CORP d/b/a Hardwick Gas & Convenience Store **NEW**
Hardwick Convenience & Deli, LLC
GSB, LLC d/b/a D&L Beverage & Deli

Tobacco Substitute Endorsement:

VISAT 117 CORP d/b/a Hardwick Gas & Convenience Store **NEW**
Hardwick Convenience & Deli, LLC
GSB, LLC d/b/a D&L Beverage & Deli

The applications that are renewals have no violations.



APPLICATION FOR BANNER PLACEMENT
TOWN OF HARDWICK
PO Box 523, Hardwick, VT 05843
(802) 472-6120 Fax (802) 472-3793
david.upson@hardwickvt.gov

Applicant(s):

Name(s): Craftsbury Chamber Players

Mailing Address: PO Box 37 Craftsbury, VT 05826

Telephone: 802-586-0616

E-Mail: thecraftsburychamberplayers@gmail.com

Requested Location of the Banner:

On Wolcott Street BUT closer to Main. Last year the location was a bit difficult to see.

Banner Type *(please check all that apply):*

- Business Use - temporary
- Community Event - temporary

Requested Date of Banner Placement: June 15 to Aug. 24

Requested Length of Time for Banner Placement about 2.5 months

Banner Description (Required)- Please use the space below to provide a detailed description and sketch of the proposed banner:

Craftsbury Chamber Players

Hardwick Town House

Signature of Applicant(s) Date **Nathalie Jonas** 4/17/26

Approved by the Town of Hardwick on

(Date)

Accepted by the Select Board or its Designee



APPLICATION FOR BANNER PLACEMENT
TOWN OF HARDWICK
P.O. Box 523, Hardwick, VT 05843
(802) 472-6120 Fax (802) 472-3793
david.upson@hardwickvt.gov

Applicant(s):

Name(s): Hayley Williams / Hardwick Farmers Market

Mailing Address: Po Box 162, Hardwick VT 05843

Telephone(s) Home: N/A Work: N/A Cell: (802) 309-5401

E-Mail: Hardwickfarmersmarket@gmail.com

Requested Location of the Banner:

Wolcott Street

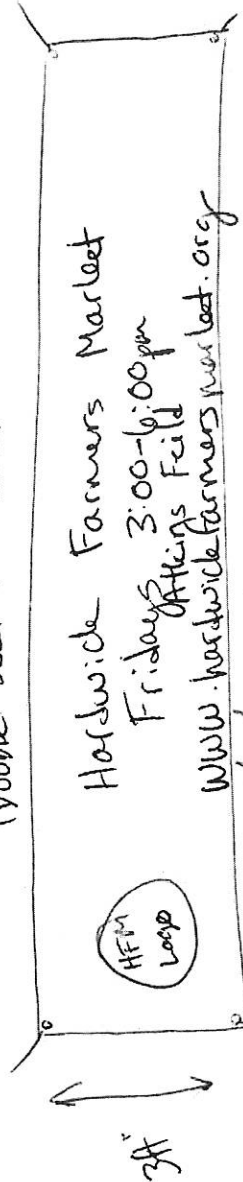
Banner Type (please check all that apply):

- Business Use - temporary
- Community Event - temporary

Requested Date of Banner Placement May 18th (or 19th/20th)

Requested Length of Time for Banner Placement Until at least 10/19 (taken down before 10/16 please)

Banner Description (Required) – Please use the space below to provide a detailed description and sketch of the proposed banner:



Signature of Applicant(s) Hayley Witt Date 4/17/2016

Approved by the Town of Hardwick on _____ (Date)

Accepted by the Select Board or its Designee _____ (Name)

To: Hardwick Select Board
From: Kristen Leahy
Date: May 7, 2026

Re: Consultant Recommendation – Lamoille Riverbank Stabilization and Flood Mitigation Study

Overview

The Town received six submissions in response to the RFQ for the Lamoille Riverbank Stabilization and Flood Mitigation Study. The overall quality of proposals was strong and reflects the depth of experience available for this type of work, particularly within Vermont.

This project is focused on:

- scoping and alternatives development
- conceptual engineering and approximately 30% design
- public engagement and community decision-making
- evaluation of structural and nature-based flood mitigation approaches
- identifying projects that can advance toward future design, permitting, and funding

This is not a final engineering or construction-ready design project. As such, the ability to communicate tradeoffs, facilitate community discussions, and integrate planning and engineering considerations was weighted heavily alongside technical qualifications.

Evaluation Process

Proposals were evaluated using a weighted scoring matrix based on:

Criteria	Weight
Relevant Project Experience	20
Technical Expertise	20
Municipal Experience	15
Public Engagement	10
Capacity & Availability	15
Organization	10
Completeness & Clarity	10
Total	100

Following initial review, shortlisted firms were asked to provide written responses regarding their approach to:

- communicating technical tradeoffs
- integrating public input
- handling disagreement within communities
- facilitating public engagement
- making technical information accessible and actionable

These follow-up responses were reviewed as part of the final evaluation process.

Summary of Initial Scores

Firm	Total Score
Verdantas	100
SLR	97
DuBois & King	97
Stone Environmental	97
Fitzgerald Environmental Associates	92
Turquoise America	54

All top-ranked firms demonstrated strong technical qualifications and relevant experience.

Public Engagement & Community Process Evaluation

Staff also evaluated each shortlisted team's approach to public engagement, communication, and community process.

Firm	Overall Public Engagement Confidence
Stone Environmental	5
SLR	5
Verdantas	5
Fitzgerald Environmental Associates	5
DuBois & King	4

Key distinctions between firms generally related to:

- planning integration
- facilitation approach
- community process
- alternatives evaluation frameworks
- project fit relative to the current phase of work

Recommendation

Staff recommend **Stone Environmental** for this project.

Stone Environmental's proposal and follow-up responses aligned particularly well with the goals of this phase of work. Their team demonstrated a strong understanding of:

- alternatives analysis and conceptual engineering
- integration of planning and engineering
- Town-led decision-making
- facilitation of community discussions around tradeoffs and competing priorities
- the importance of building on Hardwick's existing recovery and planning efforts

Stone's response also reflected an understanding that this project is not solely an engineering exercise, but rather a community-facing process intended to guide long-term decision-making in a constrained downtown setting.

Staff were encouraged by:

- Stone's integrated team structure combining engineers, scientists, and planning expertise
- inclusion of an in-house urban planner with facilitation experience
- emphasis on making technical tradeoffs understandable and comparable
- strong framework for handling disagreement and competing community priorities
- recognition of the Town's existing flood recovery, resilience, and planning work

Additional Considerations

Several other firms remain highly qualified and continue to work with the Town on related efforts.

- SLR Consulting is currently supporting multiple watershed and resilience efforts, including Granite Street/MPG, Jackson Dam, and Route 14-related work.
- Verdantas is currently involved in implementation-oriented infrastructure work including bridges, culverts, and stabilization projects.

As the Town continues to advance multiple resilience and mitigation efforts simultaneously, there is value in maintaining a broader consultant bench and matching firms to the specific needs and phase of each project.

Stone Environmental's strengths in facilitation, planning integration, alternatives evaluation, and community process align well with the objectives of this study.

Conclusion

This study will play an important role in shaping future flood mitigation and river management decisions within downtown Hardwick. The selected consultant must be able to combine technical expertise with strong communication, public engagement, and long-term planning considerations.

Staff believe Stone Environmental is well-positioned to support the Town through this phase of work and recommend the Select Board authorize staff to move forward with contract development.

**Town of Hardwick
Memorandum**

To: Select Board

From: Kristen Leahy, Zoning & Floodplain Administrator / Resilience & Adaptation Coordinator

Date: May 4, 2026

Re: Selection Recommendation – Engineering & Implementation Services

Hardwick Confluence Floodplain Restoration Project

Overview

The Town issued a Request for Proposals (RFP) for engineering and implementation services for the Hardwick Confluence Floodplain Restoration Project. This project is intended to advance flood mitigation efforts along the Lamoille River through floodplain reconnection, improved hydraulic performance, and nature-based stabilization strategies.

The Town received four proposals from qualified firms:

- Verdantas
- Stone Environmental
- SLR Consulting
- DuBois & King (D&K)

All four firms demonstrated strong qualifications and relevant experience.

Evaluation Process

Proposals were evaluated using the criteria outlined in the RFP:

- Relevant Project Experience (15%)
- Technical Expertise (25%)
- Project Team Qualifications (20%)
- Federal Funding Experience (15%)
- Project Approach (15%)
- Cost (10%)

All proposals were scored using a standardized evaluation matrix.

Summary of Results

All four firms scored within a narrow range, reflecting a highly competitive field.

SLR Consulting received the highest overall ranking based on:

- strong technical expertise
- a comprehensive and integrated project approach
- demonstrated ability to carry projects from modeling through construction

While Stone Environmental offered the lowest cost proposal, the scoring differences between the top firms were minimal and primarily driven by cost weighting.

Key Consideration: Project Complexity and Risk

This project includes:

- floodplain excavation and grading
- proximity to existing infrastructure
- regulatory coordination
- construction-phase uncertainty

Based on the proposals, SLR Consulting demonstrated:

- the most comprehensive integration of modeling, design, permitting, and construction
- a strong framework for evaluating alternatives and adapting to site conditions
- detailed construction-phase oversight and documentation
- a clear understanding of long-term system performance

Recommendation

Based on the evaluation and overall project needs, it is recommended that the Select Board authorize the Town Manager to enter into a contract with:

SLR Consulting

Although SLR's proposal reflects a higher upfront cost, their approach provides the greatest confidence in reducing project risk and ensuring successful implementation.

Conclusion

All four firms can complete this work. However, SLR Consulting's proposal demonstrates the strongest overall alignment with the Town's goals for long-term flood resilience and successful project delivery.

Zoning and Floodplain | Resilience and Adaptation Update May 2026

Flood resilience and recovery work is a long-term effort. These projects move forward incrementally and require sustained coordination, funding, and community engagement. This is a marathon, not a sprint.

Each project typically advances through three distinct phases, each requiring its own scope, timeline, and funding source. The first phase is scoping, feasibility, or alternatives analysis, where we define the problem and identify potential approaches. The second phase is design and engineering, often advancing to a 30% level to establish costs, constraints, and permitting pathways. The final phase is full design and implementation, where projects are constructed on the ground.

This body of work represents multiple concurrent projects across planning, design, and implementation phases, supported by a range of state and federal funding sources, and coordinated across agencies, consultants, and community partners. These combined efforts are aimed at reducing long-term flood risk, limiting repetitive losses, and stabilizing key housing and commercial areas.

This level of activity reflects a full project pipeline across multiple funding sources and phases. At this time, my capacity for managing additional grant-funded projects has been reached, and prioritization of existing commitments will be necessary as new opportunities arise

This work spans multiple geographic focus areas within the community, including East Hardwick, the Route 14 corridor, the downtown Lamoille River reach, and the Granite Street Historic District.

Project Updates

Municipal Plan Community Survey

The Community Survey for the Municipal Plan Update remains open through June 5. Responses currently represent over 5% of the population, with a goal of reaching at least 10% participation.

Paper copies and survey links will be distributed at Town Meeting on May 19 to help increase participation.

Flood Insurance Workshop A free Flood Insurance workshop will be held on June 8 at Atkins Field at 6 pm, in conjunction with the summer community meal. The workshop is intended to improve understanding of coverage, requirements, and how home insurance can be structured to assist.

FEMA Floodplain Map Updates

New draft working maps for the Federal Emergency Management Agency floodplains have been released and will be reviewed on May 13.

Once the draft maps are available, information will be provided directly to property owners who may be impacted, including targeted notifications and opportunities for property owners to ask questions as the maps move through the final process.

Preliminary indications show that a greater portion of the Granite Street Historic District and the downtown area may be included within the mapped floodplain, while some properties outside of the village have been adjusted and removed. This will require careful communication and coordination.

Buyout Program

The most current buyout list is available in Select Board folders and on the Town website.

In East Hardwick, two properties funded through FRCF are scheduled to close on May 22. Following closing, the Town will issue an RFP for demolition services and complete asbestos testing. A neighborhood survey regarding next steps will be distributed shortly, and an initial outreach note has already been sent to maintain communication with that area.

The FEMA pipeline has reopened. The first two properties on Route 15 West have been awarded funding and sent to appraisal. These parcels are anticipated to be transferred to the Vermont Fish and Wildlife Department following acquisition.

One property, 24 Charlevoix, has been withdrawn from the program.

Demolition and Site Progress

65 Brush Street is scheduled for demolition in June.

Funding for environmental assessment and cleanup of buyout sites has been secured through Two Rivers RPC, allowing the Town to ensure that acquired properties do not have outstanding environmental concerns.

Granite Street Flood Resilience Planning

SLR International has been working with the Granite Street Historic District to develop site-specific flood resilience strategies based on hydraulic modeling and recent flood impacts.

They will present their findings to the community in early summer (2026), in conjunction with a community meal. This session is intended to ground-truth concepts with property owners, incorporate local knowledge, and provide an opportunity for questions and feedback before advancing recommendations.

Eleven properties in the district have requested participation in the State-funded utility elevation program through the State of Vermont CRDMF. These projects focus on elevating

critical building systems above flood levels and are an important step in retaining housing and maintaining building viability.

Route 14 Floodplain Mitigation Planning

The Town has invited the Caledonia County Natural Resources Conservation District to partner on two Town-owned parcels along Route 14.

They are pursuing Clean Water funding to support early-stage planning and feasibility work for floodplain mitigation. The Town will assist with community outreach in the surrounding neighborhood, including direct engagement with adjacent property owners and early opportunities for input as concepts are developed.

CDBG-DR Downtown Flood Mitigation Planning

The Town received six strong submissions in response to the CDBG-DR planning RFP and anticipates Select Board action to award the contract.

This project will focus on the Lamoille River corridor from Hay's garage to the Cottage Street Bridge, an area that has experienced bank instability, channel adjustment, and repeated flood impacts. The work will evaluate structural and nature-based mitigation strategies and identify feasible, fundable projects in a phased approach.

Following contract award, work is anticipated to begin in late May, with initial community involvement expected later this summer.

CDBG-DR Floodplain Restoration

The Town is advancing its CDBG-DR implementation project focused on restoring the Lamoille River floodplain near the confluence with Cooper Brook.

This work is intended to reconnect the river to its floodplain, reduce downstream flood risk, and improve overall river function. It will move through environmental review, permitting, and final design and complements ongoing work in the downtown corridor and Cooper Brook watershed.

Next steps include completion of environmental review and advancement into final design and construction.

NRCS Emergency Watershed Protection Program

Separately, the Town is working with the Natural Resources Conservation Service through the Emergency Watershed Protection Program to address site-specific erosion and bank instability.

This includes work near Buffalo Mountain Market, a private residence along Cooper Brook, and the buyout property at 41 Brush Street. The engineering designs have been completed and are currently under review by NRCS. Pending approval, the Town anticipates moving forward with an RFP to hire the contractor for the installations.

Watershed and Community Initiatives

Cooper Brook Cleanup

The Cooper Brook cleanup brought together 47 volunteers and resulted in the removal of 175 tires from the brook. The effort was supported in part by the Greensboro Association

Beaver Resilience Talk

The recent beaver talk attracted 37 attendees. A key takeaway was the value of proactive culvert design and management to reduce long-term maintenance costs and flood impacts.

Riparian Planting

Riparian planting in the Fisher's Folly area was completed by the Caledonia County NRCD and Streamwise, with Town coordination to ensure compatibility with future bridge work. 500 trees were planted on the property.

Watershed Forum

The Lamoille River Watershed Forum will be held on September 9, 16, and 23 in the evening at the Jeudevine Memorial Library. Topics will include landslides, wetlands, and sediment, with a focus on improving understanding of how water moves through the landscape.

Ongoing Coverage

Ongoing coverage and discussion continue through the Hardwick Gazette in a newly branded section: "From the Watershed."



TOWN OF HARDWICK DEBT MANAGEMENT POLICY

PURPOSE

The purpose of this policy is to ensure that the Town of Hardwick issues and manages debt in a prudent, transparent, and moderately conservative manner that protects taxpayers, maintains long-term financial stability, and supports the Town's capital and infrastructure needs. Debt shall only be issued when necessary and when it is in the best financial interest of the Town.

DEFINITIONS

Debt: An obligation of the Town to repay borrowed money.

Debt Service: Annual principal and interest payments on outstanding debt.

Enterprise Fund: A self-supporting municipal fund supported by user fees.

PROCEDURES

A. Guiding Principles – The Town shall use debt primarily for long-term capital improvements or major equipment purchases; prioritize grants and capital reserve funds before borrowing; avoid borrowing for operating expenses or routine maintenance; and structure debt conservatively.

B. Legal Authority – The Town may incur debt in accordance with Vermont statutes including 24 V.S.A. Chapter 53 and Vermont Municipal Bond Bank requirements. Voter approval shall be obtained when required by law. The Select Board may authorize borrowing for highway equipment and other purposes where permitted by statute.

C. Affordability – The Town shall strive to maintain general fund debt service at or below approximately fifteen percent (15%) of annual general fund expenditures under typical conditions. This guideline applies only to debt supported by the General Fund and is intended to inform long-term financial planning.

Temporary increases above this level, up to approximately twenty percent (20%), may be considered when financing significant long-term capital infrastructure that provides substantial public benefit, provided such levels are determined to be financially manageable and are formally reviewed and documented by the Select Board.

Debt issued for enterprise funds, such as water or sewer utilities, shall be supported by enterprise revenues and user fees and is not included in the general fund debt service guideline.

Total Town indebtedness shall remain within statutory limits and at levels considered manageable relative to the Town's Grand List and overall financial condition.

D. Capital Funding – The Town maintains capital reserve funds for future projects and equipment. Available reserves and grants shall be considered prior to issuing new debt.

E. Types of Debt – The Town may utilize general obligation bonds, Vermont Municipal Bond Bank financing, state revolving loan funds, municipal equipment loans, bond anticipation notes, and tax anticipation notes when necessary for cash flow timing purposes. Short-term borrowing shall not be used to finance operating deficits except in extraordinary circumstances. Any such use must be approved by the Select Board and accompanied by a documented plan to restore structural budget balance.

F. Issuance and Management – The Select Board shall approve all borrowing. The Finance Director shall evaluate affordability, maintain debt schedules, ensure timely payment of debt service, and coordinate with lenders and bond counsel. Debt service shall be included in the annual budget.

G. Compliance – The Town shall maintain appropriate records and comply with all lender, state, and federal requirements for the life of any outstanding debt.

H. Review – This policy shall be reviewed on an as needed basis by the Select Board and Finance Director and updated if necessary.

The foregoing Policy is hereby adopted by the Select Board of the Town of Hardwick, Vermont, this 7th day of May 2026 and is effective as of this date until amended or repealed.

Ceilidh Galloway Kane, Chair

Shari Cornish, Vice Chair

Tim Ricciardello, Member

Larry Fliegelman, Member

Derek Richardson, Member

TOWN ROAD AND BRIDGE STANDARDS

(January 21, 2026)

MUNICIPALITY OF Hardwick, VERMONT

The Legislative Body of the Municipality of Hardwick hereby adopts the following Town Road and Bridge Standards which shall apply to the construction, repair, and maintenance of town roads and bridges.

The standards below are considered minimums. Municipalities that have construction standards / specifications in place that meet or exceed the minimum standards: indicate adoption date and include as Appendix C. **Date of Adoption:** _____

Municipalities must comply with all applicable state and federal approvals, permits and duly adopted standards when undertaking road and bridge activities and projects.

Any new road regulated by and/or to be conveyed to the municipality shall be constructed according to the minimum of these standards.

Circle **YES** or **NO** below to indicate town adoption of that section of the Standards

Road and Bridge Standards Sections	Hydrologically-connected road segments*		Non-hydrologically-connected road segments**	
	YES (Required by MRGP)	NO	YES	NO
Section 1 – Municipal Road Standards	YES (Required by MRGP)		YES	NO
Section 2 – Class 4 Road Standards	YES (Required by MRGP)		YES	NO
Town wide				
Section 3 - Perennial stream- bridge and culvert standards	YES (Required by DEC Stream Alteration Standard)			
Section 4 – Intermittent stream crossings	YES	NO		
Section 5- Drainage crossings	YES	NO		
Section 6 - Roadway construction standards	YES	NO		
Section 7 - Guardrail standard	YES	NO		
Section 8 - Driveway access standard	YES	NO		

Road segments – ANR Resources Atlas includes a map layer of all of Vermont’s municipal roads divided into 100-meter (328 foot) segments, each with a unique identification number.

***Hydrologically-connected road segments** - are those municipal road segments and catch basin outlets, Class 1-4, as shown on the ANR Natural Resources Hydrologically-connected municipal road segment layer (<http://anrmaps.vermont.gov/websites/anra5/>) or the Road Erosion Inventory Scoring (MRGP Implementation Table portal) layer (<https://anrweb.vt.gov/DEC/IWIS/MRGPReportViewer.aspx?ViewParms=True&Report=Portal>).

****Adoption of standards on non-hydrologically-connected road segments** does not indicate that these road segments are then subject to the Municipal Roads General Permit (MRGP).

Municipalities may also find additional resources in the latest version of the [Vermont Better Roads Manual](https://vttrans.vermont.gov/sites/aot/files/Better%20Roads%20Manual%20Final%202024.pdf).
<https://vttrans.vermont.gov/sites/aot/files/Better%20Roads%20Manual%20Final%202024.pdf>

Road and Bridge Standards Sections

Section 1 – Municipal Road Standards - See Appendix A

These standards are required by Act 64 and the DEC Municipal Roads General Permit (MRGP) for hydrologically-connected roads only.

Municipalities may adopt Section 1 Road standards by road type for non-hydrologically-connected roads/segments/catch basins.

Section 2 – Class 4 Road Standards - See Appendix A

SHORT TERM DEBT <1 YEAR

ID	Closing Date	Original Amount	Amount Outstanding	Purpose	Lender	Direct or Self Supporting	Final Maturity (MM/DD/YYYY)
1	1/8/2026	\$1,700,000	\$0	Lift Station Repair (SCRP)	VT Bond Bank	Other	1/8/2027
2							
3							
4							
5							

LONG TERM DEBT (INCLUDING CAPITAL LEASES) > 1 YEAR

ID	Closing Date	Original Amount	Amount Outstanding as of 6/30/25	Purpose	Lender	Direct or Self Supporting	Final Maturity (MM/DD/YYYY)	Loan ID
1	7/31/2014	\$400,000	\$133,330	2014 Fire Truck	VT Bond Bank	Direct Debt	11/1/2029	568
2	3/4/2021	\$275,000	\$219,996	2021 Fire Truck	VT Bond Bank	Direct Debt	11/1/2030	710
3	8/1/2015	\$300,000	\$165,000	Mackville Rd. Improvements	VT Bond Bank	Direct Debt	11/1/2035	588
4	9/22/2023	\$432,000	\$397,400	Loader & Grader	Union Bank	Direct Debt	9/22/2033	5701005189
5	8/10/2023	\$500,000	\$475,000	Gravel Pit	VT Bond Bank	Direct Debt	11/1/2043	746b
6	8/10/2023	\$550,000	\$522,500	Library	VT Bond Bank	Direct Debt	11/1/2043	746a
7	6/1/2018	\$1,647,099	\$727,771	Water Meters	State Rev Loan Fund	Water	6/1/2047	RF3-305-3.1
8	6/1/2021	\$462,096	\$287,370	Bridgman Reservoir Roof	State Rev Loan Fund	Water	6/1/2050	RF3-382-3.0
9	10/7/2021	\$3,164,753	\$2,180,238	Wastewater Plant Upgrade	State Rev Loan Fund	Sewer	5/1/2044	RF1-375-3.0
10	8/1/2008	\$69,000	\$32,200	Mill Street	USDA	Sewer	8/1/2038	n/a
11	3/1/2027	\$5,500,000		Future Highway Garage	VT Bond Bank	Direct Debt	3/1/2057	TBD
12						Change Value		
13						Change Value		
14						Change Value		
15						Change Value		
16						Change Value		
17						Change Value		

General

\$1,913,226

Enterprise (Water/Sewer)

\$3,227,579 paid for with user fees

LONG TERM DEBT - PRINCIPAL LONG TERM DEBT - PRINCIPAL + INTEREST

Year Type	Total Annual Debt Service Payment															Total Excluding Enterprise funds	% of GF Expenses	Estimated Town Budget	15% proposed debt policy			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15							
Change Value	2014 Fire Truck	2021 Fire Truck	Mackville Rd. Improvements	Loader & Grader	Gravel Pit	Library	Water Meters	Bridgman Reservoir Roof	Wastewater Plant Upgrade	Mill Street	Future Highway Garage											
1/1/2026	\$ 31,399.97	\$ 21,078.00	\$ 20,518.50	\$ 57,011.24	\$ 42,203.50	\$ 46,423.86	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 3,533.38	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	218,635	5%	\$ 4,741,600.00	\$ 711,240.00
1/1/2027	\$ 30,453.85	\$ 20,976.00	\$ 20,056.50	\$ 57,011.24	\$ 41,247.76	\$ 45,372.52	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 3,438.50	\$ 203,638	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	418,756	9%	\$ 4,883,848.00	\$ 732,577.20
1/1/2028	\$ 29,538.39	\$ 20,860.00	\$ 19,579.50	\$ 57,011.24	\$ 40,292.00	\$ 44,321.20	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 3,343.62	\$ 423,626	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	635,228	13%	\$ 5,030,363.44	\$ 754,554.52
1/1/2029	\$ 28,601.59	\$ 20,724.00	\$ 19,087.50	\$ 57,011.24	\$ 39,336.26	\$ 43,269.88	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 3,248.76	\$ 415,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	623,510	12%	\$ 5,181,274.34	\$ 777,191.15
1/1/2030	\$ -	\$ 20,569.00	\$ 18,586.50	\$ 57,011.24	\$ 38,380.50	\$ 42,218.56	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 3,153.88	\$ 407,335	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	584,101	11%	\$ 5,336,712.57	\$ 800,506.89
1/1/2031	\$ -	\$ 20,395.00	\$ 18,022.50	\$ 57,011.24	\$ 37,424.76	\$ 41,167.22	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 3,059.00	\$ 399,189	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	573,210	10%	\$ 5,496,813.95	\$ 824,522.09
1/1/2032	\$ -	\$ 20,201.00	\$ 17,443.50	\$ 57,011.24	\$ 36,469.00	\$ 40,115.90	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 2,964.12	\$ 391,044	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	562,285	10%	\$ 5,661,718.37	\$ 849,257.76
1/1/2033	\$ -	\$ 19,967.00	\$ 16,849.50	\$ 57,011.24	\$ 35,513.26	\$ 39,064.58	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 2,869.26	\$ 382,898	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	551,304	9%	\$ 5,831,569.92	\$ 874,735.49
1/1/2034	\$ -	\$ 19,678.00	\$ 16,240.50	\$ -	\$ 34,557.50	\$ 38,013.26	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 2,774.38	\$ 374,753	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	483,242	8%	\$ 6,006,517.02	\$ 900,977.55
1/1/2035	\$ -	\$ 19,341.00	\$ 15,624.00	\$ -	\$ 33,601.76	\$ 36,961.92	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 2,679.50	\$ 366,607	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	472,136	8%	\$ 6,186,712.53	\$ 928,006.88
1/1/2036	\$ -	\$ 18,963.00	\$ -	\$ -	\$ 32,646.00	\$ 35,910.60	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 2,584.62	\$ 358,462	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	445,982	7%	\$ 6,372,313.90	\$ 955,847.09
1/1/2037	\$ -	\$ 18,549.00	\$ -	\$ -	\$ 31,690.26	\$ 34,859.28	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 2,489.76	\$ 350,316	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	435,415	7%	\$ 6,563,483.32	\$ 984,522.50
1/1/2038	\$ -	\$ -	\$ -	\$ -	\$ 30,734.50	\$ 33,807.96	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ 2,394.88	\$ 342,171	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	406,713	6%	\$ 6,760,387.82	\$ 1,014,058.17
1/1/2039	\$ -	\$ -	\$ -	\$ -	\$ 29,778.76	\$ 32,756.62	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ -	\$ 334,025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	396,560	6%	\$ 6,963,199.46	\$ 1,044,479.92
1/1/2040	\$ -	\$ -	\$ -	\$ -	\$ 28,823.00	\$ 31,705.30	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ -	\$ 325,880	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	386,408	5%	\$ 7,172,095.44	\$ 1,075,814.32
1/1/2041	\$ -	\$ -	\$ -	\$ -	\$ 27,867.26	\$ 30,653.98	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ -	\$ 317,734	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	376,255	5%	\$ 7,387,258.30	\$ 1,108,088.75
1/1/2042	\$ -	\$ -	\$ -	\$ -	\$ 26,911.50	\$ 29,602.66	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ -	\$ 309,589	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	366,103	8%	\$ 7,608,876.05	\$ 1,141,331.41
1/1/2043	\$ -	\$ -	\$ -	\$ -	\$ 25,955.76	\$ 28,551.32	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ -	\$ 301,443	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	355,950	8%	\$ 7,837,142.33	\$ 1,175,571.35
1/1/2044	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,080.46	\$ 16,503.07	\$ 139,059.43	\$ -	\$ 293,298	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	293,298	6%	\$ 8,072,256.60	\$ 1,210,838.49
1/1/2045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,080.46	\$ 16,503.07	\$ -	\$ -	\$ 285,152	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	285,152	6%	\$ 8,314,424.30	\$ 1,247,163.65
1/1/2046	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,080.46	\$ 16,503.07	\$ -	\$ -	\$ 277,007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	277,007	6%	\$ 8,563,857.03	\$ 1,284,578.55
1/1/2047	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,080.46	\$ 16,503.07	\$ -	\$ -	\$ 268,861	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	268,861	6%	\$ 8,820,772.74	\$ 1,323,115.91
1/1/2048	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,503.07	\$ -	\$ -	\$ 260,716	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	260,716	6%	\$ 9,085,395.92	\$ 1,362,809.39
1/1/2049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,503.07	\$ -	\$ -	\$ 252,570	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	252,570	6%	\$ 9,357,957.80	\$ 1,403,693.67
1/1/2050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,503.07	\$ -	\$ -	\$ 244,425	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	244,425	5%	\$ 9,638,696.54	\$ 1,445,804.48
1/1/2051	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 236,279	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	236,279	5%	\$ 9,927,857.43	\$ 1,489,178.61
1/1/2052	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 228,134	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	228,134	5%	\$ 10,225,693.15	\$ 1,533,853.97
1/1/2053	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 219,988	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	219,988	5%	\$ 10,532,463.95	\$ 1,579,869.59
1/1/2054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 211,843	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	211,843	5%	\$ 10,848,437.87	\$ 1,627,265.68
1/1/2055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 203,697	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	203,697	4%	\$ 11,173,891.00	\$ 1,676,083.65
1/1/2056	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 195,552	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	195,552	4%	\$ 11,509,107.73	\$ 1,726,366.16
1/1/2057	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 187,406	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	187,406	4%	\$ 11,854,380.97	\$ 1,778,157.14
1/1/2058	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0			
1/1/2059	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0			
1/1/2060	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0			
1/1/2061	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0			
1/1/2062	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0			
1/1/2063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0			
1/1/2064	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0			
1/1/2065	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0			
Total	\$ 119,993.80	\$ 241,301.00	\$ 182,008.50	\$ 456,089.92	\$ 613,433.34	\$ 674,776.62	\$ 727,770.12	\$ 412,576.75	\$ 2,642,129.17	\$ 38,533.66	\$ 9,369,118.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,656,721			

Section 3 - Perennial stream - bridge and culvert standards

Bridge and culvert work on perennial stream crossings must conform with the statewide DEC Stream Alteration Standard.

“Perennial stream” means a watercourse or portion, segment, or reach of a watercourse, generally exceeding 0.25 square miles in watershed size, in which surface flows are not frequently or consistently interrupted during normal seasonal low flow periods. Perennial streams that begin flowing subsurface during low flow periods, due to natural geologic conditions, remain defined as perennial. All other streams, or stream segments of significant length, shall be termed intermittent. A perennial stream shall not include the standing waters in wetlands, lakes, and ponds.

Streambank stabilization and other in-stream work must conform with the statewide DEC Stream Alteration Standard.

For River Management Engineer Districts: https://dec.vermont.gov/sites/dec/files/wsm/rivers/docs/RME_districts.pdf

Section 4 – Intermittent stream crossings – See Appendix B for sizing table and graphic. These standards are above and beyond the culvert standards in Section 1.

“Intermittent streams” are defined as streams with beds of bare earthen material that run during seasonal high flows but are disconnected from the annual mean groundwater level.

Section 5 – Drainage crossings (NOT perennial or intermittent streams)- Upon replacement, municipally owned or maintained cross culverts shall be a minimum of 18”. Undersized drainage crossings shall be upsized 6-12” if road geometry allows. Indications that a culvert is undersized include a culvert that plugs with sediment and/or gets washed out during rain events.

Section 6 - Roadway construction standards – Sub-base and gravel standards

All new or substantially reconstructed gravel roads shall have 12 inches* thick gravel sub-base, with an additional 6 inches* top course of crushed gravel.

All new or substantially reconstructed paved roads shall have 12 inches* thick gravel sub-base.

*Municipalities shall indicate their own construction criteria.

Section 7 - Guardrail standard

When a roadway, culvert, bridge, or retaining wall construction or reconstruction project results in hazards such as foreslopes, drop offs, or fixed obstacles within the designated clear-zone, the AASHTO Roadside Design Guide will govern the analysis of the hazard and the subsequent treatment of that hazard. For roadway situations, an approved barrier system may be steel beam guardrail with 6-foot posts and approved guardrail end treatment. If there is less than 3 feet from the rail to the hazard, then steel beam guardrail with 8-foot posts shall be used. The G-1D is an example of an approved guardrail end treatment. For bridge rails systems, VTTrans bridge rail standards shall be referenced

Section 8 - Driveway access standard

The municipality has a process in place, formal or informal, to review all new drive accesses and development roads where they intersect town roads, as authorized under 19 V.S.A. Section 1111. Municipality may reference VTTrans Standard A-76 Standards for Town & Development Roads and B-71a and b Standards for Residential and Commercial Drives; the VTTrans Access Management Program Guidelines; and the latest version of the Vermont Better Roads Manual for other design standards and specifications.

Passed and adopted by the Legislative Body of the Municipality of _____, Hardwick, State of Vermont on
May 7, 2026

Selectboard / City Council / Village Board of Trustees:

Appendix A

MUNICIPAL ROAD STANDARDS

The following standards constitute the minimum required Best Management Practices (BMPs) for municipal roads. These standards shall apply to the construction, repair, and maintenance of all town roads and bridges.

It is the municipality's responsibility to maintain all practices after installation. Roads not meeting these standards must implement the BMPs listed below in order to meet the required town's standards.

Feasibility

Municipalities shall implement these standards to the extent feasible. In determining feasibility, municipalities may consider the following criteria: The implementation of a standard listed in Part 6 of this general permit does not require the acquisition of additional state or federal permits³ or noncompliance with such permits, or noncompliance with any other state or federal law. The implementation of a standard does not require the condemnation of private property; impacts to significant environmental and historic resources, including historic stone walls, historic structures including structures registered on either the Vermont State Register of Historic Places or the National Register of Historic Places, or removing vegetation within 250 feet of a lakeshore; impacts to buried utilities; and excessive hydraulic hammering of ledge. Additionally, the implementation of any standard shall not be required if it would render the road unsafe for travel.

Municipalities shall document in the REI Reassessment each instance where feasibility affects implementation of the standards.

Standards for All Construction and Soil Disturbing Activities

Following construction and soil disturbance on a hydrologically-connected road segment, all bare or unvegetated areas shall be revegetated with seed and mulch, hydroseeded, or stone lined within 5 days of disturbance of soils, or, if precipitation is forecast, sooner. Projects authorized under the Construction General Permit (CGP 3-9020) or Individual Construction Stormwater Permit (INDC) shall instead comply with the terms and conditions of that permit.

Standards for Open Drainage Roads (Not Class 4)

The following are the required standards for all non-compliant hydrologically-connected open drainage roads. To maintain compliance with the requirements of this General Permit, municipalities shall apply these standards to all new construction, general BMP maintenance, and significant upgrades of stormwater treatment practices.

A. Roadway/Travel Lane Standards

1. Roadway Crown

- a. Gravel roads shall be crowned, in or out-sloped:

Minimum: $\frac{1}{4}$ " per foot

Recommended: $\frac{1}{4}$ " – $\frac{1}{2}$ " per foot or 2% - 4%.

³ Self-verification under a non-reporting permit category does not constitute a permit for purposes of this section.

- b. Paved/ditched roads shall be crowned during new construction, redevelopment, or repaving where repaving involves removal of the existing paving.

Minimum: 1/8" per foot or 1% Recommended: 1% - 2%.

2. Shoulder berms (also called Grader/Plow Berm/Windrows)

Shoulder berms shall be removed to allow precipitation to shed from the travel lane into the road drainage system. Roadway runoff shall flow in a distributed manner to the drainage ditch or filter area and there shall be no shoulder berms or evidence of a "secondary ditch". Shoulder berms may remain in place if the road crown is in-sloped or out-sloped to the opposite side of the road from berm side of road. The shoulder berm standard only applies to open drainage gravel roads.

A. Road Drainage Standards

Roadway runoff shall flow in a distributed manner to grass or a forested area by lowering road shoulders or conversely by elevating the travel lane level above the shoulder. Road shoulders shall be lower than travel lane elevation. If distributed flow is not possible, roadway runoff may enter a drainage ditch, stabilized as follows:

1. For roads with slopes between 0% and 5%: At a minimum, grass-lined ditch, no bare soil. Geotextile and erosion matting may be used instead of seed and mulch. Alternatively, ditches may be stabilized using any of the practices identified for roads with slopes 5% or greater included in Sub-part B.2, below.

Recommended shape: trapezoidal or parabolic cross section with mild side slopes; two foot horizontal per one foot vertical or flatter and 2-foot ditch depth.

2. For roads with slopes 5% or greater but less than 8%:

- a. Stone-lined ditch: minimum 6" - 8" minus stone or the equivalent for new practice construction. Recommended fractured stone with 2-foot ditch depth from top of stone-lined bottom,
 - b. Grass-lined ditch with stone check dams⁴, or
 - c. Grass-lined ditch if installed with disconnection practices such as cross culverts and/or turnouts to reduce road stormwater runoff volume. There shall be at least two cross culverts or turnouts per segment disconnecting road stormwater out of the road drainage network into vegetated areas or spaced every 160'.
3. For roads with slopes of 8% or greater: Stone-lined ditch. Stone-lined ditches are not required if the toe of the ditch backslope is located outside of the town right-of-way.
 - a. For slopes greater than or equal to 8% but less than 10%: minimum 6"-8" minus stone or the equivalent for new construction. Recommended fractured stone with 2-foot ditch depth from top of stone-lined bottom.

⁴ See check dam installation specifications.

- b. For slopes greater than 10%: minimum 6-8" minus stone. Recommended 12" minus fractured stone or the equivalent. Recommended 2-foot ditch depth from top of stone-lined bottom.
4. If appropriate, bioretention areas, level spreaders, armored shoulders, and subsurface drainage practices may be substituted for the above road drainage standards.

C. Drainage Outlets to Waters & Turnouts

Roadway drainage shall be disconnected from waterbodies and defined channels, since the latter can act as a stormwater conveyance, and roadway drainage shall flow in a distributed manner to a grass or forested filter area. Drainage outlets and conveyance areas shall be stabilized as follows:

1. Turn-outs - all drainage ditches shall be turned out to avoid direct outlet to surface waters.
2. There must be adequate outlet protection at the end of the turnout, based upon slope ranges below. Turnout slopes shall be measured on the bank where the practice is located and not based on the road slope.
 - a. For turnouts with slopes of 0% or greater but less than 5%: stabilize with grass at minimum. Alternatively, stabilize using the practices identified in Sub-parts (b)-(c), below, when possible.
 - b. For turnouts with slopes 5% or greater: stabilize with stone.
 - c. For slopes greater than 5% but less than 10%: minimum 6"-8" minus stone or the equivalent for new construction.
 - d. For slopes greater than 10%: minimum: 6-8" minus stone or equivalent for new construction. Recommended 12" minus fractured stone or the equivalent.

D. Municipal Cross Culverts and Intermittent Stream Culverts

1. All municipal culverts- Culvert end treatment or headwall required for areas with slopes 5% or greater, if erosion is due to absence of these structures. End treatment or headwall is required for new construction on road segment slopes 5% or greater.
2. All municipal culverts- Stabilize outlet such that there will be no scour erosion, if erosion is due to absence or inadequacy of outlet stabilization. Stone aprons or plunge pools required for new construction on road segment slopes 5% or greater.
3. Cross culverts- Upgrade to 18" culvert (minimum), if erosion is due to inadequate size or absence of structure.
4. In instances where intermittent streams enter the municipal road drainage network, the Secretary requires culvert sizing based on in-field and mapping techniques described in the Intermittent Stream Crossing Sizing Guidance, found in Appendix B.
5. Drainage culverts conveying perennial waters are subject to coverage under the DEC Stream Alteration General Permit. MRGP Standards do not apply to culverts conveying perennial waters.

6. A French Drain (also called an Under Drain) or French Mattress (also called a Rock Sandwich) sub-surface drainage practice may be substituted for a cross culvert.

E. Driveway Culverts within the municipal ROW

1. Culvert end treatment or headwall required for areas with road segment slopes of 5% or greater, if erosion is due to absence of these structures. End treatment or headwall is required for new construction.
2. Stabilize outlet such that there will be no scour erosion, if erosion is due to absence or inadequacy of outlet stabilization. Stone aprons or plunge pools required for new construction.
3. Upgrade to minimum 15" culvert, 18" recommended, if erosion is due to inadequate size or absence of structure.
4. Intermittent streams may enter the municipal road drainage network, and in these cases, the Secretary requires culvert sizing based on in-field and mapping techniques described in Appendix B.
5. Driveway culverts conveying perennial waters are subject to coverage under the DEC Stream Alteration General Permit.

Standards for Closed Drainage Roads

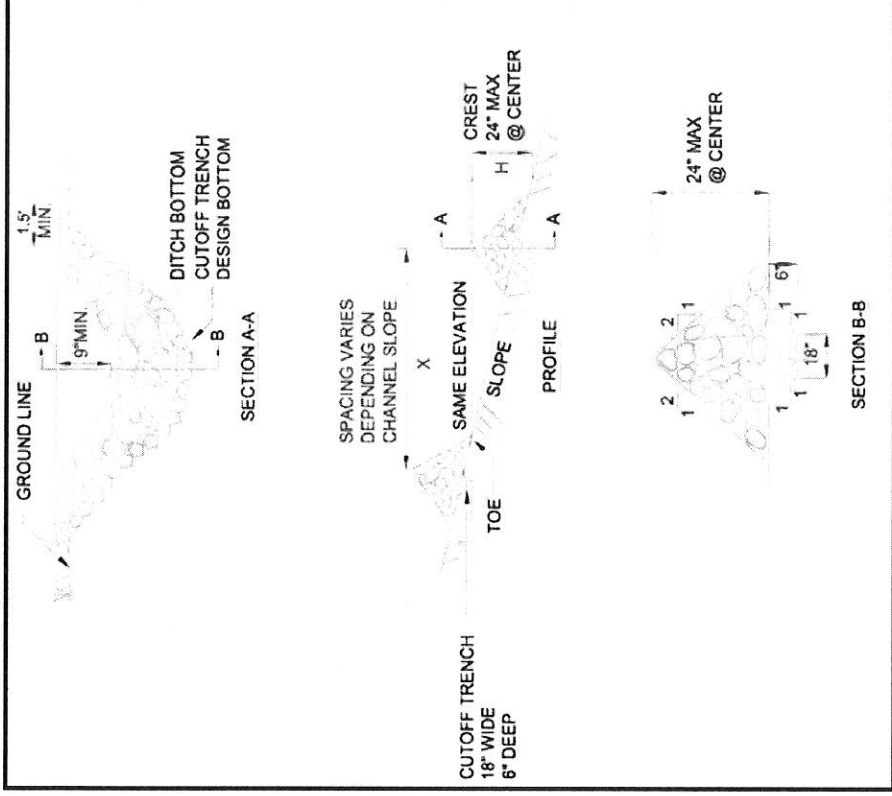
Catch Basin Outlet Stabilization: All hydrologically-connected catch basin outlets shall be stabilized to eliminate all rill and gully erosion. Catch basin outlet stabilization practices include: stone-lined ditch, stone apron, check dams, culvert header/headwall, and green stormwater infrastructure practices such bioretention practices, when appropriate.

Standards for Connected Class 4 Roads

Stabilize any areas of gully erosion identified in the REI with the practices described above or equivalent practices. Disconnection practices such as broad-based dips and water bars may replace cross culverts and turnouts.

Stone Check Dam Specification

- Height: No greater than 2 feet. Center of dam should be 9 inches lower than the side elevation
 - Side slopes: 2:1 or flatter
 - Stone size: Use a mixture of 2 to 9 inch stone
 - Width: Dams should span the width of the channel and extend up the sides of the banks
 - Spacing: Space the dams so that the bottom (toe) of the upstream dam is at the elevation of the top (crest) of the downstream dam. This spacing is equal to the height of the check dam divided by the channel slope.
- Spacing (in feet) = $\frac{\text{Height of check dam (in feet)}}{\text{Slope in channel (ft/ft)}}$
- Maintenance: Remove sediment accumulated behind the dam as needed to allow channel to drain through the stone check dam and prevent large flows from carrying sediment over the dam. If significant erosion occurs between check dams, a liner of stone should be installed.



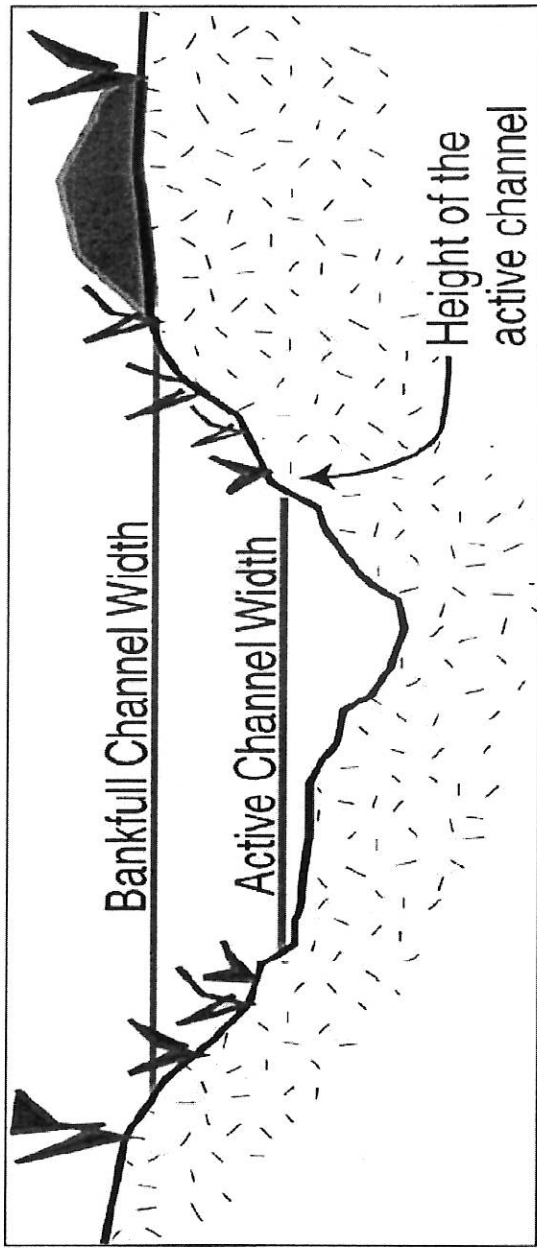
Appendix B. Intermittent Stream Crossing Specification

VT DEC Watershed Management Division Date: June 2022

Per 6.3.D of the Municipal Road General Permit, all municipal road crossings on intermittent streams require sizing of new and replacement structures to be based on the Active Channel Width (ACW).

1. Intermittent streams will be field identified and consist of a defined channel entering the road network and a define channel leaving the road network. The absence of surface base flows for an extended period of the year and the watershed size, typically under 0.25 mi², differentiates these stream channels from perennial stream channels.
2. Hydraulics sizing of intermittent stream crossings will conform with the VTrans Hydraulics Manual for the roadway classification, Chapter 4 - Table 4-2. The design of these culverts will satisfy criteria in Chapter 6 - section 6.4.
3. Embedment of culverts on intermittent streams if often beneficial for sediment transport and to reduce the need to increase road heights when maintaining adequate cover above the pipe; minimum embedment of 1' for 4-6' culverts.
4. Culvert end treatments are required for intermittent stream crossings. Inlet and outlet headwalls must consist of any combination of VTrans stone fill with a grubbing layer, laid-up stone, reinforced concrete, and/or a culvert end section.
5. Culvert slope to match stream bed slope. Outlet apron at culvert end using of E-stone is recommended – see details.

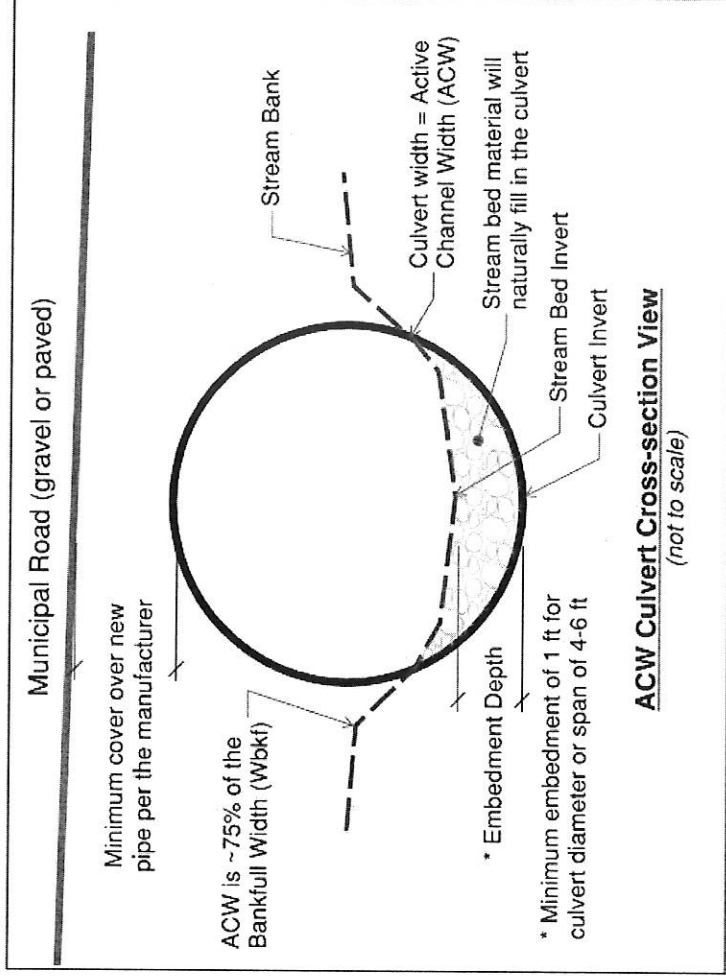
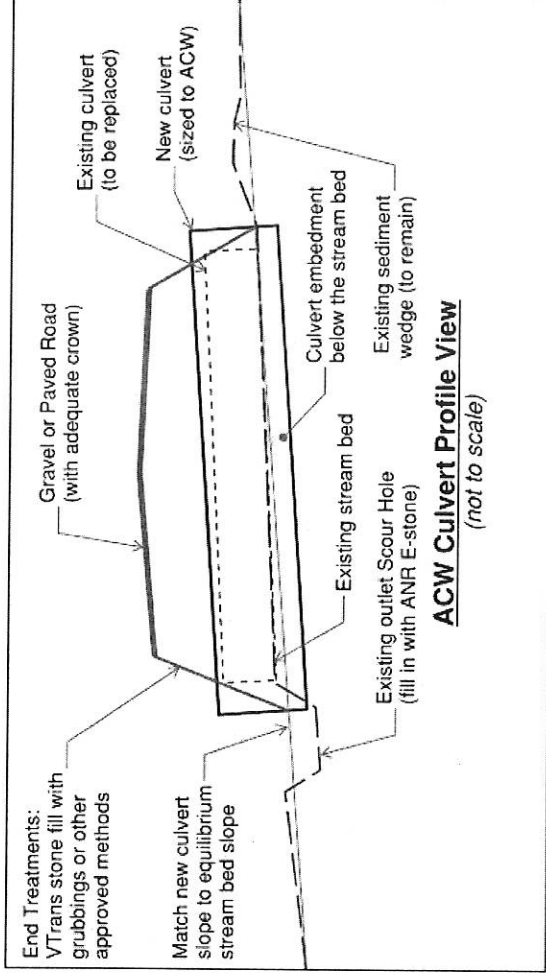
Determining the Active Channel Width on Intermittent Streams



Active Channel Width (ACW) is defined as the limits of streambed scour on banks formed by prevailing stream discharges, measured perpendicular to streamflow. The active channel width is narrower than the bankfull width (~75%) and is defined by a break in slope on the channel bank, typically seen as the edge of permanent vegetation.

Culvert Sizing for Crossings on Intermittent Streams:

Determine the ACW through field measurements, **the culvert sizing will meet or exceed the Active Channel Width**. * To obtain the measurements, go to a typical crossing location and obtain several upstream and downstream Active Channel Width measurements in riffles or straighter sections which are often the narrower channel width locations. * The selected active channel width for the structure will be a representative average of these field measurements.



**Certification of Compliance
for
Town Road and Bridge Standards
and
Network Inventory**

We, the Legislative Body of the Municipality of Hardwick certify that we have reviewed, understand and comply with the Town Road and Bridge Standards / Public Works Specifications and Standards passed and adopted by the Selectboard / City Council / Village Board of Trustees on May 7, 2026.

We further certify that our adopted standards do do not meet or exceed the minimum requirements included in the January 21, 2026 State-approved template.

We further certify that we do do not have an up-to-date highway network inventory which identifies location, size, deficiencies/condition of roads, bridges, causeways, culverts and highway-related retaining walls on class 1, 2, and 3 town highways.

Date: _____

(Duly Authorized Administrator)

For a summary of your community's road and bridge information please visit: tinyurl.com/rdsinfo

ALLONGE FOR ATTACHMENT TO NOTE

It is mutually desirable and agreeable to the parties hereto that the terms of a certain Municipal Corporation Note (hereinafter called "Note") #5701005581 dated December 20, 2024, in the original amount of \$250,000.00, executed by Hardwick Electric Department (hereinafter called "Borrower") to the order of the Union Bank (hereinafter called "Bank") be amended in the following particulars.

Effective 04/21/2026, 2026, the current payment amount of \$32,822.01 will be changed to \$33,822.01, beginning annually on December 20, 2026. All other terms and conditions shall remain unchanged.

It is further understood and agreed that all other terms and conditions of said Note not be modified hereby; they shall be and remain the same and that this Allonge, when executed by Borrower and Bank, shall be attached to and become a part of said Note, and shall have the same force and effect as if the terms and conditions hereof were originally incorporated in said Note prior to its execution.

Date this 21 day of APRIL 2026



Roger Prevot



Jake Lester

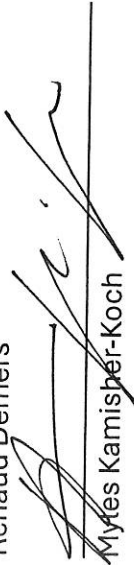


Michael Ambrosino

HARDWICK ELECTRIC DEPARTMENT



Renaud Demers



Mykes Kamisher-Koch

All or majority of its Duly Authorized
Commissioners

And its Duly Authorized Treasurer

TOWN OF HARDWICK

Ceilidh Galloway-Kane

Shari Cornish

Tim Ricciardello

Larry Fliegelman

Derek Richardson

All or majority of its Duly Authorized
Selectboard

And its Duly Authorized Treasurer

APPROVED:

THE UNION BANK

BY: _____

Tina L. Norton, Vice President

From: Colleen Kellogg <cflynnkellogg@gmail.com>

Sent: Sunday, April 26, 2026 4:17 PM

To: derek.richardson@hardwickvt.gov; ceilidh.gallowaykane@hardwickvt.gov; shari.cornish@hardwickvt.gov; larry.fliegelman@hardwickvt.gov; tim.ricciardello@hardwickvt.gov; tonia.chase@hardwickvt.gov

Subject: Act 181 - Town letters needed now

To the Members of the Town of Hardwick Selectboard:

I am writing from Charleston regarding Vermont Act 181 and S.325, which is currently under consideration in the House Committee on Environment.

Although the Committee is discussing repeal of the "Road Rule" and Tier 3 designations, and although we've seen online pages with deleted language, nothing has been repealed yet. Both measures will take effect in a matter of months. Strong action is needed now to ensure repeal in the House and Senate and reach Governor Scott's desk before the end of this legislative session.

Act 181 severely limits a rural landowner's ability to develop, maintain, or subdivide their property—often their most important asset for family farms, homes, and businesses.

Northeast Kingdom towns of Charleston, Brunswick, Concord, and Norton have already sent letters urging repeal of these harmful elements (attached). Albany and Groton voted at April Selectboard meetings to send letters. Residents and property owners in other NEK towns are on their Selectboard agendas to request similar action.

We urge your town to join us. A letter from your Selectboard carries important weight. Please consider repeal of the Road Rule and Tier 3 to protect landowners in our rural communities.

I ask that you submit your letter as soon as possible to the House Committee on Environment and your state legislators. The Committee will take up s.325 this week.

Your voice alongside neighboring towns is critical at this moment.

As you consider Act 181 and its impact on rural landowners, 'ruralvermontrising.org' is an essential source of information from diverse Vermont people and regions. And the complementary "Vermont Act 181" Facebook group is followed by 11,800 members: facebook.com/groups/vermontact181

Thank you for your time and consideration.

Sincerely,

Colleen Kellogg
Resident, Property Owner, Asst. Town Clerk & Treasurer
Charleston VT

A growing collection of letters from towns across the state can be viewed online <https://www.ruralvermontrising.org/act-181-letters-from-town-select-boards>

**Select Board's Policy
Regarding the Town of Hardwick Recreation Committee**

- Article I
This committee of the Town of Hardwick shall be called the Hardwick Recreation Committee
- Article II
The objectives of this committee are (1) To establish and be responsible for recreation programs (2) to set operating policy for the proper functioning of those programs (3) to be informed as to the condition of recreational facilities owned by the Town of Hardwick and give recommendations to the (Town Manager) Select Board for (their) proper operation and maintenance and capital improvement (4) to raise money for recreational programs and facilities as authorized by the Select Board.
- Article III
Membership
- Section 2
The Select Board has the authority for appointing all members of the Recreation Committee. The minimum number of active members shall be three and the maximum number of active members shall be nine. All terms shall expire and be subject to reappointment at the Select Board's organizational meeting in March of each year.
- Section 3
In the event of the resignation of any recreation member, or his/her death, inability to serve, or three consecutive absences without acceptable reasons from the meetings, the Recreation Committee will recommend for the Select Board's approval and appointment, a member to fill the vacancy of any unexpired term that might remain.
- Section 4
The Town Manager shall serve as an ex-officio member. Ex-officio members shall have the right to full discussion but not to vote.
- Article IV
Meetings
- Section 1
Regular meetings shall be held once each month during the year, unless otherwise decided upon by the Recreation Committee. All meeting agendas will be posted and meetings held in compliance with Vermont's open meeting law.
- Section 2
The regular meeting held in March of each year shall be known as the Organizational Meeting. The purpose of this meeting shall be the election and installation of officers, namely the chairperson, vice-chairperson, treasurer, and secretary. At this meeting, the Recreation Committee shall approve the meeting schedule for the coming year and shall conduct any other business that may legally come before it.

- Section 3 Special meetings shall be called by the chairman or upon written request of at least two members. Special meetings will comply with Vermont's open meeting law.
- Section 4 The meeting held in November of each year shall be for the approval of the budget for the coming fiscal year, the presentation of the annual report for the preceding fiscal year, an inventory report of recreational facilities and equipment, and for other business that may need to come before such meeting. The proposed budget must be provided to the Hardwick Select Board no later than the second week of November of each year.
- Section 5 A majority of the active members shall constitute a quorum and no action of the committee shall be valid or binding unless adopted by the affirmative vote of the quorum.
- Article V Duties of Officers
- Section 1 The Chairperson shall preside at all meetings of the board; appoint all committees, represent the Board at public affairs. It shall be the duty of the Chairperson to perform or designate someone to hire, train, and supervise volunteers and part-time employees.
- Section 2 The Vice-chairperson shall preside at all meetings in the absence of the Chairperson and may represent the Chairperson when designated to do so by the Chairperson.
- Section 3 The Treasurer shall prepare a tentative budget for each fiscal year to be presented to the Board at the October meeting. He/she shall also be responsible for tracking the committee's financial position and approving expenditures in accordance with Article XII Expenditures.
- Section 4 The Secretary shall keep a record of the proceedings of the Committee and post these minutes after every meeting on the Town Recreation website.
- Article VI Elections
- Section 1 All officers shall be elected by ballot, nominations having been made from the floor. A majority vote of those present shall constitute an election.
- Section 2 No person shall be nominated without their consent.
- Article VII Duties and Responsibilities of Members

Section 1 To work for the benefit of the community to help develop recreational programs for residents of all ages.

To help determine and administer the operating policies of the Recreation Committee.

To assist in budget preparation and control of the Recreation Budget.

To make request to the Select Board for recreation related infrastructure projects to be included in the Capital Plan.

To discuss the work of the Committee with citizens/community groups and seek their input.

To be familiar with recreational program and facilities standards.

Article VIII Committees

Section 1 Special committees shall be authorized by the Recreation Committee as the need arises. Such committees shall not necessarily be restricted to members of the Committee. At least one member of a special committee must be a member of the Recreation Committee.

Section 2 Special committees shall be charged with generating ideas, exploring their feasibility, and bringing recommendations to the Recreation Committee. All new projects or activities need to be approved by the Recreation Committee.

Section 3 The Hardwick Trails Committee is a standing subcommittee of the Hardwick Recreation Committee.

- A. The primary goals and responsibilities of the Committee include: (1) To sustainably manage and maintain the four-season recreational trail system for non-motorized, human-powered activities, including walking, jogging, skiing, snowshoeing, and mountain biking; (2) To encourage community use and events and to provide a positive user experience; (3) To host, maintain and oversee a website devoted to information about the Trails; (4) To develop an annual budget to submit in conjunction with the Recreation Committee budget for Select Board approval; (5) To raise funds to manage and maintain the Trails, as necessary.
- B. Committee membership: The Trails Committee will have a minimum of six (6) members and will refer a proposed list of members to the Recreation Committee to be submitted to the Select Board for

appointment. At least one member of the Trails Committee will serve as a liaison to the Recreation Committee.

C. Meetings: The Trails Committee is subject to the provisions in Article IV of this policy, except that six (6) members of the committee will constitute a quorum.

The Trails Committee will participate in two joint planning meetings with the Recreation Committee, one in the fall prior to budget preparation and one in the spring, in order to discuss upcoming plans or possible joint projects.

Article IX Operating Funds

Section 1 All monies so donated shall be entrusted to the Town Treasurer to be placed in the Town's savings account and listed by the Business Manager as Recreation Revenue in the Town's accounting Program.

Any gift of land shall be handled through the Select Board.

Article X Program Year

The program year of the Board shall extend from July through June so as to be consistent with the Town of Hardwick's fiscal year.

Article XI Expenditures

Section 1 The Recreation Committee shall have the right to use the petty cash fund held in the Town Manager's Office, not to exceed \$50.00 if and when needed by request to the Business Manager.

Section 2 The Treasurer shall make purchases in accordance with preapproved recreation programs set forth by the Recreation Committee or designate someone on his/her behalf.

Section 3 The Treasurer shall fix his/her signature or initial of approval on all bills.

Section 4 The recreation funds can only be expended for lawful purposes.

Article XII Amendments

Section 1 This policy-statement may be amended at any regular or special meeting by a quorum vote of those present and voting, provided notice of the proposed amendment has been given in writing to all members at least seven (7) days prior to said meeting, and upon approval of a majority of the Select Board.

Policy approved this 16th day of February 2017, by the Hardwick Select Board.



Eric Remick, Chair



Kathleen Hemmens, Vice Chair



Shari Cornish



Elizabeth Dow



Kory Barclay



Economic Development Loan Policy

I. Purpose

The purpose of the Revolving Loan Fund is to assist in economic development and job creation and retention in the Town of Hardwick. The Revolving Loan Fund is also used to assist in downtown façade improvements and ADA compliance in the Town of Hardwick's Designated Village-Center Downtown as specified in Section VII.

The Revolving Loan Fund may also be used, at the discretion of the Select Board, to provide short-term financial assistance to eligible businesses experiencing temporary financial hardship in order to support business continuity and job retention.

The Revolving Loan Fund may be used to support housing development projects that further economic development objectives, including workforce housing. Loans should be made for business or commercial purposes and shall not be used for personal or consumer residential financing.

II. Objectives

- A. Assist in business development, job creation and job retention.
- B. Improve Designated Village-Center Downtown Properties for safety, aesthetics, and value.
- C. Make financing available with favorable, below market rates and flexible terms to maximize success.

III. Eligibility – Economic Development Loans

Town of Hardwick Economic Loan Fund Policy

- A. Any for-profit or non-profit corporation, partnership, cooperative, or proprietorship that is existing, locating or expanding in the Town of Hardwick.
- ~~B. The Town of Hardwick itself may borrow funds to assist in economic development initiatives, provided that the available balance of the Revolving Loan Fund exceeds \$100,000 at the time of application. In such cases, the Town shall be required to complete a loan application and demonstrate that the proposed project meets the purpose and objectives of the Revolving Loan Fund. The Town of Hardwick itself may borrow funds to assist in economic development initiatives.~~
- ~~B. No corporation, partnership, cooperative, or proprietorship (profit or non-profit) shall be eligible for a revolving loan fund if there are delinquent tax or utility accounts payable to the Town of Hardwick.~~
- ~~C. Construction or renovation of residential units shall not be eligible, except for housing development projects that meet the economic development purposes of the Fund as described in Section I.~~

IV. Eligibility – Downtown Façade Loans

- A. Any for-profit or non-profit corporation, partnership, cooperative, or proprietorship that is located in or relocating to the Town of Hardwick Designated ~~Village Center~~ **Village Center**. A copy of the Designated ~~Village Center~~ **Downtown** map is available in the Town Manager's office.
- B. No corporation, partnership, cooperative, or proprietorship (profit or non-profit) shall be eligible for a Downtown Façade Loan if there are delinquent tax or utility accounts payable to the Town of Hardwick.
- ~~C. Construction or renovation of residential units shall not be eligible.~~

V. Loan Application Procedure

Town of Hardwick Economic Loan Fund Policy

- A. The applicant will be required to complete the Hardwick Revolving Loan Application and pay the application fee of \$50.00 prior to loan review. The application fee is non-refundable.
- B. The Hardwick Town Manager or his/her designee will review the application, ensure that the information is complete, and run a credit check on the applicant prior to submitting it to the Select Board for ~~its consideration~~consideration.
- C. ~~The Hardwick Select Board shall be responsible for the approval of all loans. When completing the application, the applicant must include a business plan for the Select Board's consideration. The Hardwick Select Board shall be responsible for the approval of all loans. When completing the application, applicants proposing a new business startup must include a business plan for the Select Board's consideration. All other applicants must provide supporting documentation appropriate to the request, such as project cost estimates, financial statements, or evidence of financial hardship.~~

VI. Terms & Conditions – Economic Development Loans

- A. Term: Up to ten (10) years. ~~The Select Board may approve longer repayment terms for larger or more complex projects where extended amortization is necessary to support project feasibility and repayment ability.~~
- B. Deferral of Principal: Principal payments on a loan may, at the discretion of the Select Board, be deferred for a period of time not to exceed six months.
- C. Collateral: Loans shall be secured by fixed assets or real estate. The security may be subordinate to other lenders. Personal and/or corporate guarantors may be required.
- ~~G.D.~~ Small Unsecured Loans: Loan requests in an amount of \$5,000 or less may be considered for unsecured status at the discretion of the Select Board. Applicants must meet minimum creditworthiness standards, including a satisfactory credit score and a demonstrated ability to repay as evidenced by acceptable debt-to-income ratios. Additional documentation may be required to support eligibility. Small unsecured loans shall generally be limited in size and duration to minimize risk to the Loan Fund.
- ~~D.E.~~ The Town shall require a title certificate on real estate and a UCC search opinion letter on personal property which is being pledged as security for a loan.

Town of Hardwick Economic Loan Fund Policy

E.F. The borrower must provide evidence that all State and local permits/licenses for the construction/operation of the business have been received prior to disbursement of loan funds.

VII. Terms and Conditions – Downtown Façade Loans

- A. \$1,000 - ~~\$340,000~~ loan amounts. At no time will more ~~than~~ than \$50,000.00 be committed to Downtown Façade Improvements.
- B. Term: Up to ~~five~~ ten (10~~5~~) years.
- C. Collateral: Loans shall be secured by fixed assets when in an amount of ~~\$5,000.00-01~~ to \$10,000.00. The security may be subordinate to other lenders. Personal and/or corporate guarantors may be required. ~~Loan requests from \$1,000.00 to \$4,999.99 can apply for unsecured status, subject to a credit check.~~
- D. Loan Proceeds: Loan proceeds will be disbursed to third party entities or distributed in such fashion as the Town Manager determines is in the best interest of the Fund.
- E. The borrower must provide evidence that all State and local permits/licenses for the construction/operation of the business, including from the State Historic Preservation office (if applicable), have been received prior to disbursement of loan funds.
- F. Loans under this program can only be made for the purpose of exterior improvements, including handicapped accessibility, signage, restoration or alteration of storefronts, painting, glazing, doors, windows, and entryways.
- G. All aesthetic improvements shall be reviewed by the Town Manager for consistency with the appearance of historic buildings in the Designated Downtown Village Center.

VIII. Terms and Conditions Generally Applicable to All Loans

- A. Fixed Interest Rate: ~~The interest rate shall be set at one percent (1%) above the Town's money market account interest rate in effect at the time the Letter of Commitment is issued. In no event shall the interest rate be less than three percent (3%). 1% over the Town's deposit rate on their general money market account at the time of issuing the Letter of Commitment.~~

Town of Hardwick Economic Loan Fund Policy

- B. Other sources of Capital: Loans shall be matched by a minimum of 25% of other sources of capital. Evidence of the required capital match must be provided to the Town Manager prior to the release of loan money.
- C. The borrower shall be required to maintain all risk insurance equal to the amount of the Town's loan(s) but not less than 80% coinsurance coverage with the Town of Hardwick named as loss payee and mortgagee on real property and as lender's loss payable on personal property. On real estate, borrowers must obtain National Flood Insurance if mortgaged premises are located in a special flood hazard zone. Evidence of proper insurance coverage shall be forwarded annually to the Town Manager.
- D. Loan Guarantees: The indebtedness of any corporate, limited liability company or partnership shall be personally guaranteed by each of the principals of the borrower.
- E. The Town of Hardwick may require the borrower to obtain an appraisal for real estate.
- F. The Town's Finance Director will prepare the letter of commitment which will be reviewed by the Town's attorney. The ~~and/or loan agreement, the actual loan actual loan~~ documents including not limited to, promissory note, mortgage deed (s), security agreement, personal guaranty, and UCC Financing statement-4(s) will also be prepared by the Town's attorney:
- G. The applicant will be responsible for all costs associated with their legal representation and will pay all other miscellaneous expenditures associated with the loan including recording fees. The applicant's legal representative will perform the title searches and appraisals. In addition, the applicant will reimburse the cost of preparation and review of all loan documents.
- G. Emergency Loan Provision: The Select Board may, at its discretion, approve loans for businesses experiencing temporary financial hardship or cash flow challenges. Emergency loans are intended to provide short-term assistance to maintain business operations and retain jobs. Terms, including loan amount, repayment period, interest rate, and collateral requirements, may be adjusted based on the circumstances of the applicant. Applicants must demonstrate a reasonable likelihood of recovery and the ability to repay the loan.

IX. Loan Closing

Town of Hardwick Economic Loan Fund Policy

The Town's attorney will prepare all loan documentation. The loan documentation will then be reviewed by the borrower's counsel. The Town Manager will represent the Town at closing and will be empowered to sign all necessary documents.

B.—The Town Manager will approve disbursement of loan funds, which will be performed in accordance with the terms of the loan agreement.

X. Servicing

- A. If requested, the borrower must provide the Town Manager with annual financial statements or documentation as to the total number of employees.
- B. The Town of Hardwick reserves the right to contract with a third party to service the loan and/or sell the loan to a third party. Union Bank presently services the Town of Hardwick's loans and payment will be made directly to the Union Bank.

Revised ~~03/21/2024~~ _____

Accepted this ~~21st~~ _____ day of ~~March~~ _____ ~~2024~~2026, in the Town of Hardwick.

Select Board:

~~Eric Remick~~Ceiliadh Galloway-Kane, Chair

~~Ceiliadh Galloway-Kane~~Shari Cornish, Vice Chair

~~Town of Hardwick Economic Loan Fund Policy~~

~~Shari Cornish~~Larry Fliegelman

Tim Ricciardello

~~Danny Hale~~Derek Richardson