



Capital Construction Budget Section 4

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Capital Construction Budget

Section 4, Line 52: Unmarked Burial Sites

Fiscal Years 2024-2025

Established 2001 Initial allocation: \$100,000

According to Statute 18 V.S.A. §5212b, the fund shall be used to monitor excavations; protect, preserve, move, or reinter unmarked burial sites and human remains; to perform archaeological assessments and investigations, including radar scanning and any other nonintrusive technology or technique designed to determine the presence of human remains; to provide mediation and other appropriate dispute resolution services; and to acquire property or development rights.

Currently: \$52,287

Recommended ask: \$25,000/\$25,000





September 2022: Excavation of War of 1812 Soldiers, Burlington



June 4, 2022: Reinterment of 30 War of 1812 Soldiers with Full Military Honors at Lakeview Cemetery, Burlington



Capital Construction Budget

Section 4, Line 53:
Roadside Historic Site Markers

Fiscal Years 2024-2025

Established 1947 Production: 308

The mission of the Historic Roadside Markers is to foster an understanding, appreciation of, and pride in the history and prehistory that influenced the development of Vermont, and how those events or people played a role in shaping our communities, state, and nation.

Recommended: \$25,000/\$25,000 (level funding)





Dinah, Windsor - June 18, 2022 Dedication



Guilford Grange Hall – October 22, 2022 Dedication



Pate-King House, Burlington – August 9, 2022 Installation



1st Vermont Pride Parade – June 26, 2022 Dedication



Capital Construction Budget

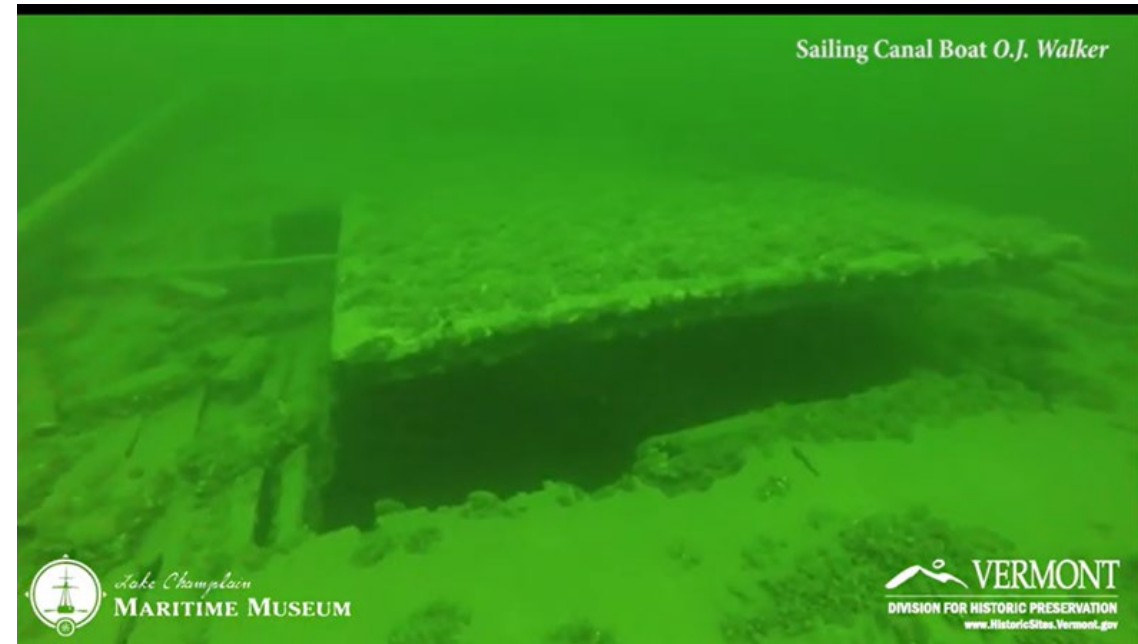
Section 4, Line 54: Vermont Underwater Historic Preserves

Fiscal Years 2024-2025

Established 1982 Preserves Open: 9 2023 Pending: 2

The mission of the Underwater Historic Preserves is to preserve, protect, manage, interpret, and share the cultural and natural heritage of Lake Champlain, and keep it safe for (and from) the diving and boating public. The program is operated by the Vermont Division for Historic Preservation in partnership with the Lake Champlain Maritime Museum, a collaboration formed in 1982 that ensures the Underwater Historic Preserves foster awareness and provide public education of Vermont's underwater historic wrecks.

Recommended: \$46,000/\$46,000





Painting of the General Butler by Ernie Haas and Sonor image of the General Butler on the bottom of Lake Champlain.

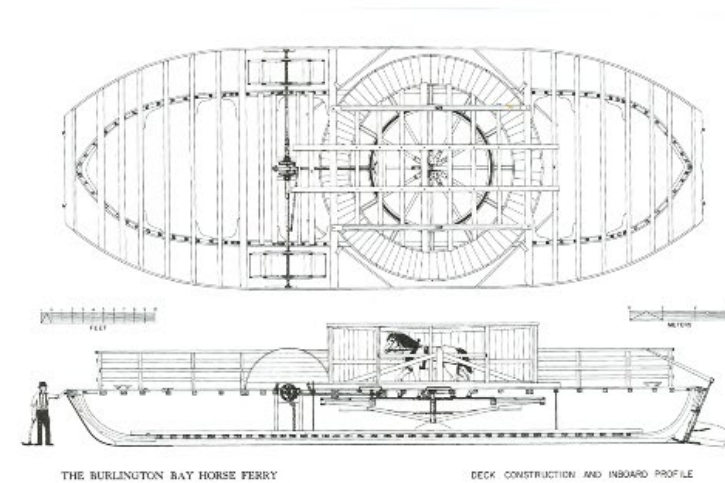
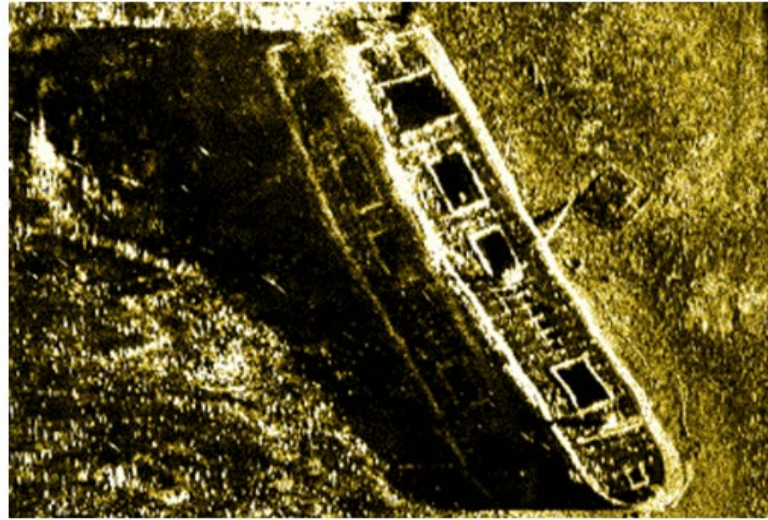


Figure 62. Horse ferry interior profile and deck construction. Drawing by Kevin Crisman.



Line drawing of the horse ferry and Shaft and paddlewheel

	2022 Season
Diver Preserve Visits	3,360

Preserves:

1. Lake Schooner Water Witch, Diamond Island
2. Tugboat U.S. LaVallee, Shelburne Bay
3. Steamboat Phoenix, Colchester Shoal
4. Sloop Island Canal Boat
5. Sailing Canal Boat OJ Walker, Burlington Breakwater
6. Horse Ferry, Burlington Bay
7. Sailing Canal Boat General Butler, Burlington Breakwater
8. Diamond Island Stone Boat
9. Coal Barge, Proctor Shoal

Pending:

10. Providence Island Canal Sloop, Colchester Causeway
11. Potash Point Canal Boat, Panton



Capital Construction Budget

Section 4, Line 55: Environmental Predictive Model for Locating Precontact Archaeological Sites

Fiscal Year 2024

Established 2002

The mission of the Environmental Predictive Model is to identify areas with a high potential for significant precontact archaeological sites, those places that predate Native American contact with Europeans. The model offers guidance in the location of some types of historic period sites that postdate Native American contact with Europeans and early (preindustrial) Euro-American settlement sites. The predictive model is an initial ranking tool and regulatory review trigger for the review of Act 250 and Section 248 projects that may have adverse effects on locations of archaeological sensitivity.

No Funding Recommendation



VERMONT DIVISION FOR HISTORIC PRESERVATION
Environmental Predictive Model for Locating Precontact Archeological Sites

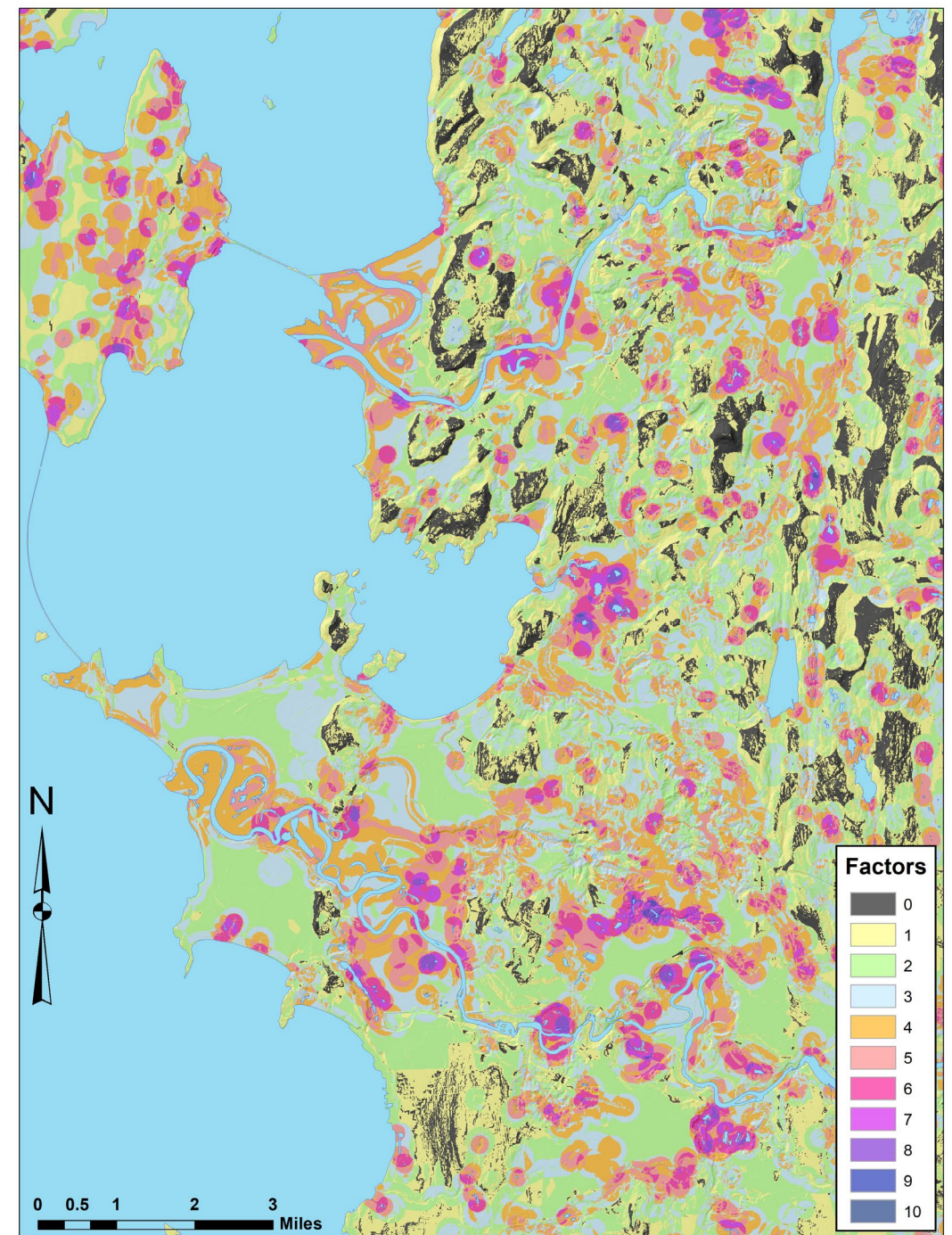
Project Name _____ County _____ Town _____
DHP No. _____ Map No. _____ Staff Init. _____ Date _____
Additional Information _____

Environmental Variable	Proximity	Value	Assigned Score
A. RIVERS and STREAMS (EXISTING or RELICT):			
1) Distance to River or Permanent Stream (measured from top of bank)	0- 90 m	12	_____
	90- 180 m	6	_____
2) Distance to Intermittent Stream	0- 90 m	8	_____
	90-180 m	4	_____
3) Confluence of River/River or River/Stream	0-90 m	12	_____
	90 – 180 m	6	_____
4) Confluence of Intermittent Streams	0 – 90 m	8	_____
	90 – 180 m	4	_____
5) Falls or Rapids	0 – 90 m	8	_____
	90 – 180 m	4	_____
6) Head of Draw	0 – 90 m	8	_____
	90 – 180 m	4	_____
7) Major Floodplain/Alluvial Terrace		32	_____
8) Knoll or swamp island		32	_____
9) Stable Riverine Island		32	_____
B. LAKES and PONDS (EXISTING or RELICT):			
10) Distance to Pond or Lake	0- 90 m	12	_____
	90 -180 m	6	_____
11) Confluence of River or Stream	0-90 m	12	_____
	90 - 180 m	6	_____
12) Lake Cove/Peninsula/Head of Bay		12	_____
C. WETLANDS:			
13) Distance to Wetland (wetland > one acre in size)	0- 90 m	12	_____
	90 -180 m	6	_____
14) Knoll or swamp island		32	_____
D. VALLEY EDGE and GLACIAL LAND FORMS:			
15) High elevated landform such as Knoll Top/Ridge Crest/ Promontory		12	_____
16) Valley edge features such as Kame/Outwash Terrace**		12	_____

-over-

May 23, 2002

This map of portions of the Winooski and Lamoille watersheds shows a proof-of-concept predictive model using only 10 environmental factors in the paper-based predictive model at coarse resolution. The proposed predictive model would consider every factor in the paper-based predictive model and provide an aggregate score in a manner equivalent to the paper-based model.





Capital Construction Budget



Section 4, Line 56: Historic Sites Maintenance Fund

Fiscal Years 2024-2025

Established 1947

The Vermont State Historic Sites Program encourages the discovery and appreciation of the state's rich heritage through the stewardship and interpretation of historic sites that evoke an authentic sense of time and place. The specific mission of the Historic Sites Maintenance Fund is to ensure the proper preservation, restoration, and maintenance of these state and nationally significance properties, allowing continued public access, safety, education, and recreation.

Recommended: \$500,000/\$500,000



Vermont State Historic Sites

Site	Location	Buildings	Acres	Date of Main Resources
President Chester A. Arthur	Fairfield	3	40	Site 1829; 1953
Bennington Battle Monument	Bennington	2	4.5	1891
Burtch-Udall House (Theron Boyd)	Quechee	4	39	1786
Chimney Point	Addison	5	4.6	Native American; c. 1785
Old Constitution House	Windsor	1	1	Pre-1777
President Calvin Coolidge	Plymouth	29	216	1780-1927
Eureka Schoolhouse	Springfield	3	1	1790/1968
Forestdale Iron Works	Brandon	3	31.3	1824
Hubbardton Battlefield	Hubbardton	7	413	1777
Kents Corner	Calais	2	5	1833-7
Senator Justin Morrill Homestead	Strafford	12	6.2	1852
Mount Independence	Orwell	3	157	Native American; 1776-7

Historic Sites Maintenance Fund

FY23	\$683,000
FY22	\$350,000
FY21	\$250,000
FY20	\$250,000
FY19	\$300,000
FY18	\$200,000
FY17	\$200,000
FY16	\$200,000
FY15	\$200,000
FY14	\$200,000

- **Capital Bill Recommendation:**

- **FY24 - \$500,000**

- **FY25 - \$500,000**

- **Anticipated Needs:**

- **FY26-27 - \$700,000+**

Future estimates based on current and future conditions assessments, design plans, and construction costs

2022 Projects

- Projects underway and completed in 2022: **12**
 - Contractor and supply chain issues remain challenges
 - Projects include upgrades for energy efficiency; code compliance; mold remediation; window restoration; finish painting; interpretive signs; selective demolition; selected object conservation
- Major Projects Active for 2023 and beyond:
 - Bennington Battle Monument Stabilization
 - Justin Morrill Homestead Drainage and Water Project
 - President Calvin Coolidge Site Major Maintenance
 - Old Constitution House Environmental Mitigation Planning

Bennington Battle Monument

Second Tallest Unreinforced Masonry Building in United States

2022-2023 Study and Planning Efforts:

Architectural & Engineering Survey (year-long)

\$241,015 (FY22-23)

Research & Documentation

Field Inspections

3-D laser scan (inside/outside)

Baseline Documentation – high resolution working drawings

Installation of Monitoring equipment (moisture/cracking)

High-Ropes Access/Visual Field Inspection with Instrumentation

Discussion of Interim Procedures for Elevator

Elevator - preliminary analysis w/ proposed scope of work for ongoing elevator maintenance and service until restoration complete

2023 Study and Planning Efforts Amendments:

\$413,500 (FY23-24-25)

Masonry Conservation Study

Hygrothermal Review and Geotechnical Investigation

Mechanical and Structural Engineering

Water Infiltration Testing

Preservation Analysis and Masonry Testing

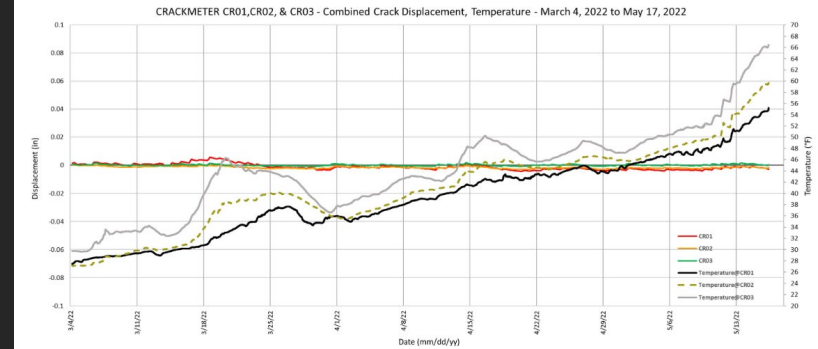
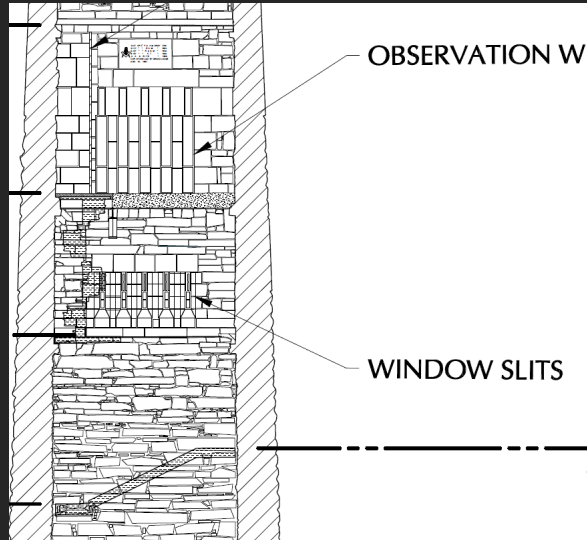
Schematics and Costs

Lightening Protection

Petrography Testing

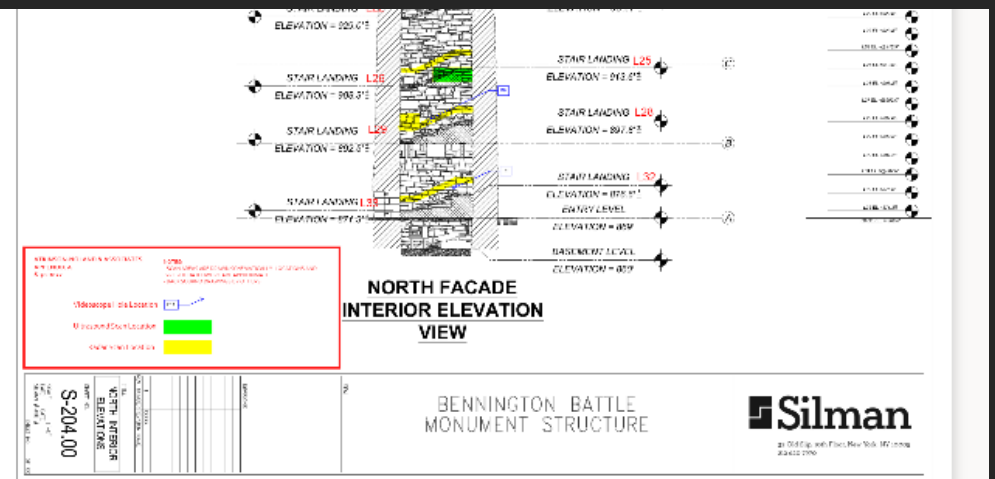
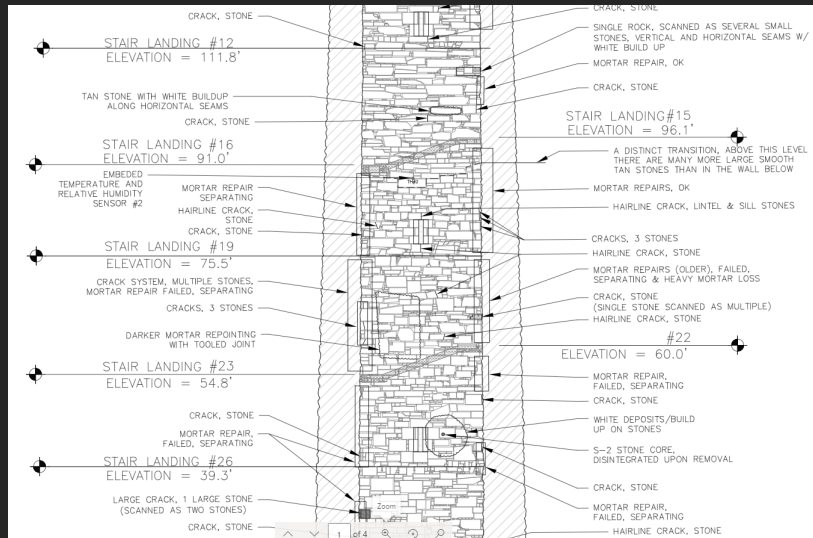
Elevator Improvements

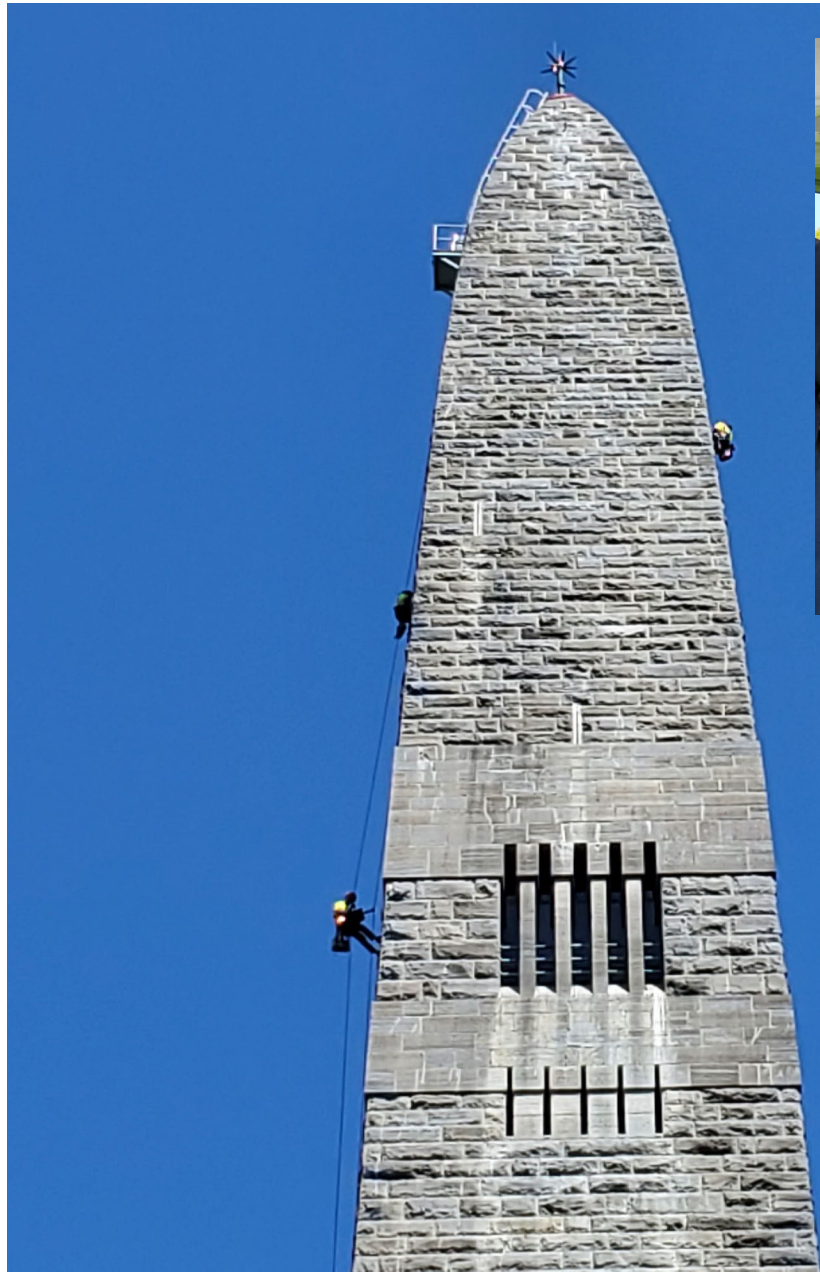




Atkinson-Noland
& Associates

Bennington Battle Monument - Crack and Moisture Monitoring
Quarterly Report





Vertical Access

Industrial Ropes Access to
Aid with Documentation &
Monitoring



Conservation of General Burgoyne's Kettle

Revolutionary War period camp kettle

OR

1891 Reconstruction of a British camp kettle?



Senator Justin Morrill Homestead, Strafford

First Recognized National Historic Landmark in Vermont

Save America's Treasures

Drainage & Water Management Project

Overall Costs	\$ 555,756
Federal Grant Award	\$226,725
Vermont Grant Match	\$279,031

2021-2022 Efforts Completed:

Survey and Documentation of Site
Wetlands Investigation
Ground-Penetrating Radar

Archaeology Fieldwork **\$35,000 - \$50,000**

2023 Efforts Expected:

Spring 2023 - Public Bid Procurement of A/E
Design and Construction Management Services
Fall 2023 - Complete construction drawings
Spring 2024 - Begin construction





Morrill Archaeology, August 2022

President Coolidge Boyhood Home, Plymouth

Presidential Village Recognized a National Historic Landmark

- Homestead - Structural repairs and ADA improvements
- Birthplace – Chimney Stabilization and Framing repairs
- Cilley Store/Post Office – Cedar Roof Replacement
- Pathways and ADA improvements grounds/parking/signage

2021 Efforts:

A/E Drawings to CD set	\$66,030
Pathways/Civil	\$ 7,456
ADA ramp	\$20,430

2022-2023 Projected Efforts for 2022-2023:

Projected Cost	\$ 650,000
Includes Construction & CM/GC	



Planned Major Maintenance Costs FY23-FY25

Bennington Battle Monument	Continued Stabilization Study	\$413,500
New Haven Depot	Restoration Support after Relocation	\$ 30,000
Justin Morrill Homestead	Drainage & Water Management	\$280,000
	SAT Grant (\$226,725 received)	
	Restoration Costs post Drainage	\$369,500
President Coolidge Site	Foundation & Chimney Stabilization	
	ADA Improvements	\$650,000
Old Constitution House	Environmental Mitigation	\$410,000*
	*Semiquincennial Grant Request Pending	