



FY2027 Capital Construction Budget

Section 4: Underwater Preserves Major Maintenance & Bennington Battle Monument

Laura V. Trieschmann, State Historic Preservation Officer

James Duggan, Director of Preservation

Underwater Historic Preserves

Established 1982 Preserves Open: 11

Annual Maintenance

- Mooring Systems
- Site Oversight and Inspections
- Underwater Historic Preservation Database
- Public Engagement and Education
- Dive Community Liaison

Direct Annual Impact:

- Approximately 700 total dives
- 4,550 students, adults, and teachers educational programming
- 12,500 website views



Sailing Canal Boat O.J. Walker, located at north end of Burlington breakwater.

Underwater Historic Preserves

Current: \$46,000 Recommended: \$46,000

Annual Budget: Approximate budget based on assessed annual needs of each site

	Cost Per Site	Total
Mooring Maintenance, Equipment Replacement, Repair, Installation/Removal	\$2,000	\$22,000
Site Oversight and Dive Inspections	\$1,600	\$17,600
Public Safety and Permitting		\$2,800
Updated Site Documentation	\$2,000	\$3,600
TOTAL		\$46,000



Signage on the Water Witch is in good condition.



Horse Ferry showing heavily encrusted signage.

Capital Construction Budget

Section 4, Line 39: Historic Sites Maintenance Fund Fiscal Years 2026-27

Established in 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.

Governor's Recommended FY26: \$ 550,000
Governor's Recommended FY27: \$ 550,000
\$1,100,00

Jamie Duggan
Director of Preservation

Unanticipated Expenses / Repairs

Plymouth

1. Coolidge Visitor’s Center HVAC troubleshooting	\$ 24,810
2. Brown HVAC replacement (hybrid - cond. propane furnace w/heat pumps)	\$ 31,350
3. Johnson Furnace Replacement (fuel to propane conversion)	\$ 32,963
4. Hot Water Heater Replacement (projected)	\$ 4,500
5. Cilley Store Furnace – Burner Replacement	\$ 5,671
6. Cheese Factory – Hurst Steam Boiler Repairs	<u>\$ 3,800</u>
	\$103,094

Mount Independence

1. Visitor Center HVAC troubleshooting	\$ 3,344
equipment replacement projected	\$ 12,000

Kents Corner

1. Hot Water Heater Replacement	\$ 4,335
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Boyd

1. Underground Propane Leak & Upgrade Tank	\$ 1,679
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Total Unanticipated Costs FY2025	\$124,452
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Bennington Battle Monument State Historic Site

Bennington, V T

2022-2026 Study and Planning Efforts:

Architectural & Engineering Survey; Research & Documentation; Masonry Conservation Study; Petrography Testing; Geotechnical Investigation; Water Infiltration Testing; Hygrothermal Review; Mechanical and Structural Engineering; Preservation Analysis; Schematics and Costs; Lightening Protection

In Action:

Monitoring

*Update Monitoring Equipment (temp/rH/moisture/cracking) transition to long-term system	\$ 28,450
*Seismic Study - Monitoring	\$ 30,540
*High-Ropes Access - Field Inspection with Instrumentation	\$ 75,000
* Fence & Walkway inspections	\$ 2,500
	<u>\$ 136,490</u>

Discussion of Interim Procedures for Elevator Improvements

Elevator Audit / Analysis for ongoing maintenance and interim	\$ 7,500
Special Elevator Maintenance Scope	\$ 12,000
<u>Unanticipated Elevator Repairs</u>	<u>\$ 35,200</u>
	<u>\$ 54,700</u>

2024 Visitation: 39,931	Revenue: \$276,211
2025 Visitation: 13,714	Revenue: \$201,434
-26,217	-\$ 74,777 * Special Fund





Credit: Jim Bowen

FY26-27 Costs for Special Conditions

Hazard Maintenance of Monument

BGS/ACCD Bennington Battle Monument	\$ 419,000
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|---|----------|
| • Industrial Ropes Inspection and Material Removals | \$75,000 |
| • Fencing & Protected Walkway Inspections | \$ 2,500 |
| • Elevator Maintenance ~ Unanticipated Repairs | \$35,200 |
| ~ scope for on-going operational maintenance | \$12,000 |
| • Elevator Audit – will inform maintenance needs
and operational feasibility until restoration | \$ 7,500 |

NPS CDS	\$ 500,000
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| • Monitoring upgrade | \$28,450 |
| • Seismic Study | \$30,540 |
| • Archaeology | \$200,000 |

TOTAL SPENT FY26	\$391,190
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BBM ~ Recommendations from Engineering Study

PHASE 1A ~ Dry out the Monument

1. Design a 100% water-tight Monument Enclosure System
2. Geotechnical Engineering, Site Preparation Design & Site Improvements
3. Preparation of Monument Enclosure Bidding Documents & Procurement
4. Erection of the Monument Enclosure

Steps 1-3 =\$500,000

Step 4 =\$5.0M to \$10M

PHASE 1B ~ Infrastructure & Schematic Design

1. Mechanical & Electrical Engineering Improvements Design & Installation + Drying Period
2. Architectural (Design & Preservation) & Structural Engineering Schematic Design
3. Exterior Preservation Mock-ups for Restoration Scope of Work & Cost Estimate

Step 1 =\$500,000

Steps 1-3 =\$1.5M ~ 1.74M

Next steps:

- Planning & procurement for Project Management / Design Team
 - Who & What Topic Experts are needed for next phases?
 - Get all legacy data (temperature/humidity) in hand for records / analysis
- Community Informational Meetings & Feedback



President Calvin Coolidge State Historic Site

Plymouth, VT

Coolidge Historical Site Renovations & Pathway Improvements

Homestead - foundation repairs, building/site drainage, accessibility improvements through Homestead

Site-wide - pathways and parking lot components designed for universal accessibility and stormwater improvements

Projected Costs **\$1,032,891**

RCS	\$ 934,891
COTW	\$ 68,000
Eng Path	\$ 15,000
JTC	\$ 15,000
Total to Complete	\$ 1,032,891

- 50% HCD Historic Site Maint FY26 -\$ 270,969
- 100% HCD Hist Site Maint FY 25 -\$ 585,755

Shortfall FY27 **-\$ 176,167**



Senator Justin Morrill State Historic Site

Strafford, VT

Drainage and Water Management Project

Primarily subsurface perimeter drains around House,
Site trench wall, cut-off drains divert water to channels;

Projected Costs	\$ 1,850,000
NPS SAT Grant	\$ 226,725
HCD HSite Maintenance (match FY26)	\$ 279,031
FEMA Public Assistance	\$ 61,329
% HCD Historic Site Maint FY27	\$ 80,969
Total to Complete	\$ 748,054

Architectural **\$ 1,101,946**
gutters; heat-trace; structural shoring, interior masonry



Old Constitution House State Historic Site

Windsor, VT

Energy Efficiency & Environmental Improvements

Improve control of interior conditions year-round; building envelope and air-sealing; furnace replacement/relocation; window restoration.

FEMA Public Assistance

FHARC – Historic exemption confirmed

NO requirement to elevate – verbal w/ ANR team

- Exploring alternatives including elevate 6” to improve resiliency and keep historic character

Projected Costs	\$ 650,000
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NPS 250th Grant	\$ 409,960
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HCD Hist Site Maintenance (match FY27)	\$ 53,714
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FEMA	\$ 57,868
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Total to Complete	\$ 521,542
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Shortfall FY27	-\$ 182,172
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FY27 Budget Plan



Historic Site Project	Projected Shortfall	FY27 Major Maintenance \$550,000
President Coolidge	-\$176,167	\$373,833
Old Constitution House	-\$182,172	\$191,661
Justin Morrill Homestead	-\$180,969	\$10,692
Justin Morrill Homestead Architectural	-\$1,101,946	Future FYs

Theron Boyd Homestead State Historic Site

Quechee, VT

Awarded

NPS Disaster Supplemental Funds:
foundation stabilization & repairs; new
exterior foundation perimeter drains

FEMA PA: targeted repairs

Donor: Archaeology; Envelope repairs;
Wood claps and trim; Windows; New Cedar
Roof

Projected Costs	TBD
NPS ESHPF	\$ 867,972
FEMA	\$ 90,602
<u>Donor</u>	<u>\$ 500,000</u>
Total funding available	\$ 1,458,574

