

FORM B

CAPITAL PROJECT REQUEST

(Excluding equipment)

Department & Activity <u>LIBRARY</u>		Date Prepared <u>12-2-19</u>
Contact Person <u>Jane Weisman, Trustee Chair</u>		Phone Number <u>978-464-5372</u>
1. Project Title CLOCK TOWER RESTORATION		2. Purpose of Project Request Form (Check One) <input checked="" type="checkbox"/> Add a new item to the program <input type="checkbox"/> Delete an item in a year already a part of the program <input type="checkbox"/> Modify a project already in the adopted program
3. Department Priority <u>N/A</u>		
4. Location <u>LIBRARY</u>		
5. Description RE-SET STONES RE-POINT AND RE-CAULK INTERIOR AND EXTERIOR OF CLOCK TOWER.		
6. Justification & Useful Life THE LIBRARY WAS BUILT IN 1884. ALTHOUGH SOME RE-POINTING OF THE LIBRARY HAS OCCURRED OVER THE YEARS, SERIOUS WATER DAMAGE THREATENS THE CLOCK TOWER. USEFUL LIFE - HOPEFULLY ANOTHER 100 YEARS!		
7. Cost & Recommended Sources of Financing		
BUDGET FY	TOTAL*	RECOMMENDED SOURCES OF FINANCING
Program year FY	_____	<p>The Trustees + Library Director are looking for advice from the Town and the Building Maintenance Committee.</p>
Program year FY	_____	
Program year FY	_____	
Program year FY	_____	
Program year FY	_____	
Program year FY	_____	
TOTAL SIX YEARS	_____	
After Sixth Year	_____	
If adjusted for inflation, indicate adjustment percentage here : * Interest cost not included.		
8. Net Effects on Operating Costs (±)		9. Net Effect on Municipal Income (±)
Direct Costs		
personnel:	number _____	taxes _____
	\$ amount _____	other income _____
purchase of service	_____	Subtotal _____
materials & supplies	_____	gain from sale of _____
equipment purchases	<u>see</u>	replaced assets _____
utilities	_____	Total _____
other	<u>attached</u>	
Subtotal	() _____	
Indirect Operating Costs		10. Submitting Authority Date <u>12-2-19</u>
fringe benefits	_____	Submitted by <u>Jane Weisman</u>
general admin. costs	_____	Signature <u>Jane Weisman</u>
other	_____	Position <u>Trustee Chair</u>
Subtotal	() _____	
Total Operating Cost	_____	11. Reserved
Debt Service (P & I)	<u>\$507,628.80</u>	
Total Operating Cost	_____	

Source: "A Capital Improvement Programming Handbook", Government Finance Officers Association.

Goodnow Memorial Library - Tower Repair

Jones Whitsett Architects
Structures North, Engineering

2/6/19

Library tower

<u>DIVISION #</u>	<u>Description</u>	<u>Budget Cost</u>	<u>Division Total</u>
1000 GEN COND			
	Permit By Owner		
	Project Management	\$25,000.00	
	Job Site Supervision	\$25,000.00	
	Other General Condition Items	\$20,000.00	
	Division Item Totals:	\$70,000.00	\$70,000.00
2000 EXISTING CONDITIONS			
3000 CONCRETE	Included below		
4000 MASONRY	See attached breakdown	\$302,700.00	
	Bid Item Totals:	\$302,700.00	\$302,700.00
5000 METALS			
6000 WOOD & PLASTICS			
7000 THERMAL & MOISTURE			
	Caulking and sealing	\$5,000.00	
	Bid Item Totals:	\$5,000.00	\$5,000.00
8000 DOORS & WINDOWS			
9000 FINISHES			
22000 PLUMBING			
23000 HVAC			
26000 ELECTRICAL			
	subtotal:		\$377,700.00
	+Overhead/Contractor Profit / Bid Bonds:	12%	\$423,024.00
	+Arch./Eng'g Fees / Design & Construction Contingency:	20%	\$507,628.80
Alternate #1: 40% less repointing of masonry			-\$54,000.00

PRINCETON CLOCKTOWER MASONRY RESTORATION ESTIMATE- UPDATED 2-6-19

- 1- Re-set rake coping stones on metal flashing-

$$4 \times 8.6' \times \$250 = \$8,600$$

- 2- Cut and Repoint Interior and Exterior Stonework-

Dormers- $4 \times 26 \text{ sf} + 8 \times 6 \text{ sf} = 152 \text{ sf}$

West- $131 \text{ sf} - 11 + 11 = 131 \text{ sf}$

South- $475 \text{ sf} - 24 - 27 - 46 = 378 \text{ sf}$

East- $540 \text{ sf} - 25 - 35 - 27 = 453 \text{ sf}$

North- $243 \text{ sf} - 27 + 4 + 9 = 229 \text{ sf}$

$$1,343 \text{ sf} \times \$45 = \$60,400$$

- 3- Deep crack pointing and grouting-

West- $3.5' + 11 + 13 = 28'$

South- $6 \times 4' + 11 + 13 + 26 = 74'$

East- $4 \times 4 + 5 + 10 + 26 + 12 = 69'$

North- $5 \times 3.5' + 11 + 16 + 26 = 71'$

$$242' \times \$150 = \$36,300$$

- 4- Tension Frames-

$$4 \times \$20,000 = \$80,000$$

- 5- Injection grouting of voids-

West- $12 \text{ sf} + 11 + 14 = 37 \text{ sf}$

South- $5 \text{ sf} + 13 + 42 = 60 \text{ sf}$

East- $52 \text{ sf} + 2 \times 4 + 2 \times 9 = 78 \text{ sf}$

North- $6 \text{ sf} + 3 + 16 + 11 = 36 \text{ sf}$

$$211 \text{ sf} \times \$125 = \$26,400$$

- 6- Lead weather caps

$$4 \times 1.5' \times \$175 = \$1,000$$

- 7- Misc. stone and back-up repair allowance

$$\$10,000$$

Staging Allowance \$80,000

\$302,700

w/o GCOH&P or Contingency

