

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST
FY25 FALL ANNUAL TOWN MEETING**

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|-----------------------------------------------------------------------|----------------------------|--------------|
| Department: Fire Department | Priority #: | 1 |
| Project Title and Description: Rehabilitate 1993 Brush Breaker | Total Project Cost: | \$290,000.00 |

Department/Division Head: Chief Neil Foley

Check if project is: New Resubmitted Cost estimate was developed: Internally Externally

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted:

| Basis of Estimated Costs (attach additional information if available) | | | If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts. | | |
|-----------------------------------------------------------------------|---------------------|----------------------------|----------------------------------------------------------------------------------------------|---------------|--------------------------|
| Capital: | Cost | Comments | Fiscal Year: | Capital | Operations & Maintenance |
| <i>Planning and Design</i> | | | <i>FY26</i> | | |
| <i>Labor and Materials</i> | \$261,000.00 | | <i>FY27</i> | | |
| <i>Administration</i> | | | <i>FY28</i> | -\$800,000.00 | |
| <i>Land Acquisition</i> | | | <i>FY29</i> | | |
| <i>Equipment</i> | | | <i>FY30</i> | | |
| <i>Other</i> | | | | | |
| <i>Contingency</i> | \$29,000.00 | 10% for unknown conditions | | | |
| Total Capital | \$290,000.00 | | | | |

Project Justification and Objective: See attached memo

For Capital Project Requests:

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan
Can this project be phased over more than one fiscal year?

Yes No
Yes No

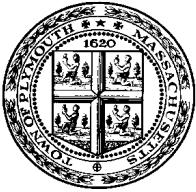
For Capital Equipment Requests:

Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

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What is the expected lifespan of this new/replacement equipment: 10+ Years

Attach backup information, estimates, or justification to support this request.



Town of Plymouth
Fire Department
114 Sandwich Street
Plymouth, Massachusetts 02360
508-830-4213
Fax 508-830-4174

Date: August 08, 2024

To: Lynne Barrett, Finance Director
Derek Brindisi, Town Manager
Silvio Genao, Asst. Town Manager

Cc: Capital Improvement Committee
Select Board
Advisory and Finance Committee

From: Neil Foley, Chief of Department

Re: Rehabilitate 1993 Brush Breaker 176 \$290,000

The Fire Department is requesting town meeting approval for \$290,000 to replace the framerails and conduct any other necessary rehabilitation on a 1993 E.J Murphy Brush Breaker. This specialized apparatus, last refurbished in 2014, is crucial for controlling wildfires in Plymouth's unique Pine Barrens ecosystem. Given the high replacement cost of over \$800,000 for this type of vehicle, coupled with its relatively low mileage, engine hours, and overall condition, rehabilitation is the most cost-effective option.

This 1993 Brush Breaker (176), usually stationed at the Cedarville Fire Station, has been out of service since the end of last year due to an observed crack and corrosion in the framerail found during routine maintenance by our apparatus repair technicians. The decision was made to place our only spare into service following this discovery.

While our 10-year capital plan had initially projected to start replacing our fleet of Brush Breakers in FY28, we will use this project to carry out a rehabilitation-over-replacement analysis to determine the most efficient use of funding on a case-by-case basis.

Thanks to a recent grant award and lower-than-expected project costs, the department has returned over \$190,000. After speaking with Finance Director Lynne Barrett, this sum will be available as free cash to support funding for this important project.

Brush Breaker 176, an all-terrain 4x4, can carry 600 gallons of water and pump 300 gallons per minute. Moreover, during storms, it allows the department to access areas that would otherwise be impassable with conventional apparatus. With 2,547 engine hours, equivalent to 106,974 road miles, we anticipate an additional 10-years of service.