



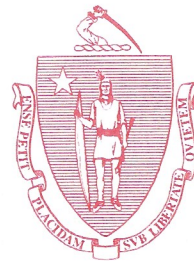
Richard Barrett
Chief

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Andrew Hladick
Deputy Chief

To: Mike Guzinski

Reg: Capital Planning

Date: September 15, 2021

Mr. Guzinski,

Thank you for the opportunity to update our Capital Improvement request for the Fall Town Meeting. As requested at the Spring Town Meeting the Fire Department needs to replace our Ambulance 1. A1 is a 2007 Chevy with 140,000 miles on it and the last 2 State Inspections it was noted about body and frame rot being of concern and could potentially affect our ability to operate it as an ambulance. Historically we have replaced Ambulances every 10 years, with moving this to our second responding ambulance it has prolonged its life and will allow us to get 15 years out of it before the arrival of a new ambulance. A new ambulance will take approximately 285 days to build, and delivery will not be until next August/September. With the increase in call volume it is of high priority that we are able to operate a 2 ambulance system. This will allow us to rotate between the 2 ambulances to reduce wear and tear on any individual unit. Our initial request was for \$350,000 but with the production issues from the factory and delays in materials there has been an approximate 5% increase in cost pushing the number to \$370,000. This will be a fully operational ambulance with no needs to purchase additional equipment.

Additionally, I would like you and the Committee to consider approving the replacement of our Engine 1. It is scheduled for replacement next year, but we have found that it will take 485 days to build the engine and that would push us out another 2 ½ years if we don't get approval until next fall town meeting. Engine 1 is a 1987 Engine, it is 34 years old and does not meet any state, federal or current safety regulations. This truck is an open-air cab, no seatbelts and does not meet any emissions requirements by state or federal standards and most recently failed its state inspection. This truck has been a great piece of apparatus for the department, and we were able to prolong its life by making it the 3rd due piece of apparatus for responses and filling in as the primary response when our other trucks were getting repaired. This year especially we found the importance of having a reliable second engine. Our 2008 Engine 2 required over \$16,000 in repairs and was out of service for a month, Engine 1 had to run in its place and during that time we had multiple break downs by the engine, failures during performance and safety concerns. A replacement engine would cost

approximately \$750,000 and take the 485 days to build once approved and designed. I understand the financial restraints we are under but with the increased call volume, multiple calls at the same time and the need to move our Engine 2 into more of a backup roll to prolong its life I feel we need to address this now rather than having a major failure or inability to respond to an emergency.

I was able to move several items off the Capital request such as the Multi gas meters that we purchased with Grant funds. Over the last two fiscal years I was able to replace all the required SCBA's and bottles and do not need the third year of the funding. Our Car 2 that is up for replacement next year can be deferred a year or two due to our improved maintenance plan. We will need to address the portable radios and pagers soon as technology continues to change and we are operating on older units.

The final request for your consideration is the replacement of the Fire alarm Master box system at the Library and High School. Over the last couple years we have been working with all the local business' on upgrading the local fire alarm system. It has been very costly to keep operational and with the improvements in technology a radio fire alarm master box is the new requirement on all new commercial and larger residential units. We have been able to move all the municipal buildings over to the new system with the Clyde Brown upgrade during construction as well as the DPW during construction. The cost to replace these units in total is \$15,000.

Thank you for your consideration on all these matters and I look forward to speaking with you to discuss further.

Respectfully.

A handwritten signature in black ink, appearing to be 'Richard Barrett', with a long horizontal flourish extending to the right.

Richard Barrett
Fire Chief

Engine 1- 1987 E-one Spartan

Engine 1- is a 1987 E-one, 34 year old fire engine with 25,204 road miles & 3222.4 Engine hours on it. Fire apparatus is measured by engine hours more than road miles. In Millis any call may be 2-4 miles roundtrip, but those miles are hard miles of accelerating/braking. Fire engines run for long periods of time while pumping or operating at a high idle. The National standard is for each Engine hour the equivalent is 40 road miles. That would have Engine 1 with approximately 128,880 miles on it. At 34 years old it is difficult to get parts, keep up with repairs and provide a safe truck for firefighters to operate on. This truck was scheduled for replacement in 2012 at 25 years old (the life expectancy of fire apparatus) at that time the Ladder truck needed replacing and was the priority. With careful maintenance and only running as a support truck was possible we were able to prolong its life. A replacement truck would be \$750,000 with a build time of 485 days.



Engine 1- Does not meet current Vehicle Emissions guidelines



Open Rear Cab area doesn't meet current standards for safety, Lap Belt only seatbelts and a recent Rejection sticker due to exhaust leaks, air leaks and frame concerns make this an unsafe truck to operate with firefighters on board. Repairs are being quoted currently.

Ambulance 1-2008 Osage

A1 is a 2008 Osage ambulance with 132,000 miles on it. A1 was our primary ambulance until 2017 when we purchased A2 and were able to move A1 into a back up role. Since then, we have been operating 2 ambulances and A1 has been used more than expected. A1 responded to 160 Emergency calls primarily as the second ambulance but for a period while A2 was out of service, A1 was the primary. Unfortunately, during this time, it had to be towed twice from Milford Hospital. The State inspector who licenses our Ambulance had documented over the last 2 years areas of concern, rust, rot and aging structure. A1's air conditioner system is not sufficient to cool the truck and on days with the Temperature over 85 the state requires us to take it out of service. By running 2 ambulances it ensures that our residents will get quick responses and all revenue will stay in town and not with an out-of-town ambulance.



2008 CHEVY KODIAK w/132,000miles



We have several areas of body rot/rust along with frame and structure rot/rust



Fire Capital Planning List FY22

Item	Department	Type	Description	Purchase year	Original price	Condition	10-Year total	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
32	Fire	Vehicle	Engine 2	2008	550,000	aging	850,000											
33	Fire	Vehicle	Engine 5	1998	65,000	good/aging	150,000					150,000						
34	Fire	Vehicle	Ladder 1	2012	850,000	good	-											
35	Fire	Vehicle	Brush 2	2006	55,000	good	75,000											
36	Fire	Vehicle	Car 1	2018	50,000	good	65,000									65,000		
37	Fire	Vehicle	Car 2	2012	40,000	aging	60,000		Defer to 2024		60,000							
38	Fire	Equipment	Station 1 Generator				50,000								50,000			
39	Fire	Equipment	Station 2 Generator				25,000										25,000	
40	Fire	Equipment	Scott Airpicks & Bottles	2020	75,000	excellent	285,000	30,000	completed in 2 years, remove 3rd year					125,000		70,000		
41	Fire	Equipment	Bauer Air Cascade	2017	60,000	excellent	60,000											
42	Fire	Equipment	Holmatro Jaws Tools Eng 2	2008	45,000	good/aging	65,000								65,000			
43	Fire	Equipment	Holmatro Jaws Tools Ladder 1	2012	50,000	good	65,000											
44	Fire	Equipment	Rescue Boat	2014	6,000	good	10,000											10,000
45	Fire	Equipment	Pagers/Portables	2010	70,000	need updating	85,000		replaced w/ grant f funding									
46	Fire	Equipment	Town Wide Defibrillators 24	2013	1,500	good	45,000						45,000					
47	Fire	Equipment	Turnout Gear	2020/2021	\$6000/per	new	230,000	40,000								150,000		
48	Fire	Equipment	Thermal Imager Eng 2	2008	9,000	aging	11,000					11,000						
49	Fire	Equipment	Thermal Imager Ladder 1	2012	7,000	good	10,000								10,000			
50	Fire	Equipment	Multi Gas Meters	2020	\$7k/per	good	35,000		35,000	replaced w/ grant funding								
51	Fire	Equipment	Technology	2017		aging	25,000				25,000	replaced w/ grant funding						
52	Fire	Equipment	Large Diameter Hose	2020	40,000	excellent	40,000	15,000					25,000					
53	Fire	Equipment	Cardiac Monitors	2018	75,000	good	75,000							100,000				
10	Fire	Vehicle	Engine 1	1987	100,000	Out of Service	650,000			750,000								
11	Fire	Vehicle	A-1	2008	150,000	failing	325,000		370,000									
12	Fire	Vehicle	A-2	2017	275,000	good	375,000									375,000		
		Equipment	PPE for firefighters	2020	12,500	excellent	12,500					12500	replaced w/ grant funding					15000
		Equipment	Reporting software	2012	20,000	out of date	25,000		25000	replaced w/ grant funding								
		Equipment	Stair chair/EMS	2021	15,000	new	15,000					20000	replaced w/ grant funding					
		Equipment	SCBA masks	2021	20,000	new	20,000				20000	replaced w/ grant funding						