

Article 14 - Capital Equipment

Department	Title	Request	Funding Source	Commentary
IT	Payroll & Time Management automation upgrades	\$100,000	Capital Stabilization	This is a one-time purchase of the software modules, with upgrade rights payable at a much lower rate in the future (anywhere from \$3 to \$20K depending on the direction taken and vendor chosen) . Includes software license, installation, & interface to MUNIS, & training. No additional hardware is required - the town already owns the servers that this will be installed on. Right now, payroll is done on PAPER, want to move to electronic to increase accuracy and timeliness.
IT	Security Assessment	\$40,000	Capital Stabilization	Periodic security assessment. Mr. LeFrancois said the town contracted with a firm to do an external penetration test (ethical hacking) and do an internal security test of 30 or so nodes using scanning tools. The end-product is a security assessment that identifies any remedial actions required and best practices to follow in the future. Based on their recommendations in the last report, we did mitigation on the firewalls. Very happy with the vendor used before and will send out same RFP.
Police	Cruiser replacement	\$153,000	Capital Stabilization	Replacement of two police interceptor cruisers that have > 100K miles. This is recurring, Typically, two replacements in the spring and three replacements in the fall.
DPW - Highway, Sanitation & Recycling	Replace Vehicle 428 (H-67) Bombardier	\$220,000	Capital Stabilization	This is the replacement of the sidewalk tractor (1986) that was destroyed by fire last winter (see picture on slide, it's a beauty). It was in the 5-year capital plan to replace it, but didn't make it through the winter. DPW replaced the 1979 Bombardier last year and are replaced this vehicle this year. Estimated useful life of this equipment is typically 7 - 10 years. After this purchase, One of the articulating trackless machines was totaled (it is not on the 5-year capital plan for replacement). Insurance will offer \$30K for the machine and a new machine would be \$130 K. DPW will have two tracked Bombardier (these two vehicles), 1 Chameleon (three-track), and two articulating track-less machines (multi-season machines that have additional attachments to make them pavement grinders or mowers, for example).
DPW - Highway, Sanitation & Recycling	Replace Vehicle 411 (H-46) Truck / Sander	\$250,000	Capital Stabilization	This is the second of three replacements of 2006 Volvo trucks, with the other to be replaced next year. These trucks have been problematic - have major mechanical and transmission issues and have problems with rust-through. The truck has 62,500 miles, but is worn out (see pictures) We will replace it with a Peterbilt truck/sander as we did with the first replacement. We will auction the Volvo and put any proceeds into the DPW revolving account.
DPW - Equipment Maintenance	Upgrade garage equipment	\$30,000	Capital Stabilization	This is the next phase of a three-year project (there may need to be a fourth year)This year includes portable vehicle lifts (depending on brand purchase, supports 18,000 lbs. up to 50,000 lbs.); overhead oil/fluids storage and reels; air ventilation, system; brake lathe; OSHA compliance; stockroom to store parts. Many of these items are original to the building when it was built in 1990. Much of this is to ensure worker safety.
DPW - Equipment Maintenance	Replace Vehicle 303 (M-3) 2008 EMD Pickup Truck	\$65,000	Capital Stabilization	This is a replacement of a Ford F350 that will be 11 y.o., has mechanical issues, 112,000 miles. This is one of the service vehicles for the maintenance garage, has an extra gas tank to enable it to bring fuel to equipment at remote sites (if equipment already set up, don't have to move it to fuel up). Used to go out to get parts or to service vehicles in the field. It will also have a plow attachment, following our general practice to acquire plow attachments where feasible.
DPW - Highway, Sanitation & Recycling	Replace Vehicle 402 (H-40) Dump Truck	\$135,000	Capital Stabilization	Replacement of a Ford F450 pickup truck with a plow that has a a rack body on it. Replacing the rack body with a hook lift that will increase the versatility of this truck where you can add attachments such as a track packer or dump truck body. This vehicle will be over 11 y.o., and has mechanical issues.

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DPW - LFNR	Mower with Attachments	\$40,000	Capital Stabilization	This is a workhorse mower for DPW that is used daily to mow athletic fields and landscaped areas. It will be over 10 y.o. at replacement. We replaced the other mower last year, so will be in better shape to address the demand with this purchase.
Police	Replace Laptop Computers	\$6,200	Capital Stabilization	This is year two of the replacement cycle to purchase up to five laptop computers.
Town Administration	Capital Emergencies	\$75,000	Capital Stabilization	This was requested by the Town Administrator. The purpose is to be able to handle equipment emergencies that need immediate resolution without having to convene a meeting with the Finance Committee to do a reserve fund transfer or to use emergency insurance funds. In both these cases, the lag time is problematic.
Community Svces - Recreation	Playground safety inspect and updates	\$15,000	Capital Stabilization	Purchase of consulting services to inspect playgrounds for safety and update them as necessary. Longer-term, the Town is working to get workers certified so that the town can do this in-house to save money, and this will be funded out of the training budget, and this will not be included in the capital equipment budget, but become part of LFNR's budget.
Golf Course	Grinder	\$50,000	GC Retained Earnings	This is a new piece of equipment that will enable the GC to sharpen the blades on the mowers. This equipment lasts up to 40 years. GC is paying \$2700/year to get this work done, so the long-term savings is \$15,000, not to mention the ability to sharpen the blades on demand (this is New England, there are lots of rocks in the soil!).
Golf Course	Lightweight utility vehicle	\$8,000	GC Retained Earnings	Replacement of 6 y.o. vehicle. This is a battery-operated vehicle and the batteries typically go on these vehicles faster than the gas vehicles. One key benefit is that they are quiet and don't disturb golfers (who already have enough problems hitting the ball straight! - I said that - neither Bill nor Kurt did). This is the only lightweight utility vehicle that the GC has.
Water & Sewer	Replace Vehicle 631	\$45,000	W/S Retained Earnings	This is a 13 y.o. Ford 350 van with 99,913 miles, that is used by the electrician in Water & Sewer dept. Will look at hybrid options were looked at, but hybrid is more costly, and would need to be funded through grant funding. Also, we experienced problems with another hybrid van, so are a little wary of hybrid vans. The replacement vehicle would have storage and shelving. Looking at Ford Transit 350 as replacement.
Town Clerk	New voting machines	\$75,000	Capital Stabilization	<u>SUBSEQUENT TO SUBCOMMITTEE MEETING THIS ITEM WAS DEFERRED & REMOVED FROM THE FY20 PLAN.</u> These machines will replace the existing machines and will need to be certified by the Commonwealth of MA. This replaces machines across all precincts and includes one spare. We're ordering them now to have them ready for the 2020 Presidential election. It is believed that this is a one-time purchase, but it depends on what the equipment certified by the Commonwealth of MA is, and the Sect'y of State is still in the process of certifying the new machines. If it's appreciably higher than \$75 K, we may need to come back to the Finance Committee, but we're hopeful that the \$75K will be sufficient.

Article 15 - Capital Improvement

Department	Title	Request	Funding Source	Commentary
Facilities	Morse Library – replace carpeting	\$150,000	Capital Stabilization	This is the 4th year of an estimated 7 year replacement cycle for carpeting in the Morse Library. We've completed \$105,000 worth of carpet replacement at the Morse library to date. The overall cost to do the whole library is estimated at \$400K. Ms. Malone noted that the design that Mr. Chenard chose for the rug tiles is relatively neutral and areas can be swapped out as needed without replacing the entire carpet area. Mr. Chenard noted that the installation is the pricey part of putting the carpet in in the library because they're working around all the bookshelves etc. in the library
Facilities	Wilson – replace library carpet, furniture, paint	\$125,000	Capital Stabilization	This is for the Wilson library carpet, furniture and paint. At the very least, the carpet and furniture are original to the building and was slated to be replaced a few years ago, but was delayed.
Facilities	Town hall meeting entrance repairs	\$85,000	Capital Stabilization	This is the refurbished the town hall steps that has areas of exposed metal and crumbling concrete and is a tripping hazard. This replaces the original steps and is similar to the project that the town had to do at Wilson school a couple years ago.
Facilities	Memorial – paint classroom walls	\$75,000	Capital Stabilization	If you're familiar with Memorial School, there are the outside wings and the inside wings. Some of those classrooms are starting to have paint peeling. The town isn't planning to paint the whole building until the school facilities study is completed.
Facilities	Johnson – re-tile classrooms	\$70,000	Capital Stabilization	Replace asbestos tiles and classrooms with vinyl composite tiles. Although maintenance has done a good job of polishing the is best those tiles they are aging and subject to cracking and need to be replaced.
Facilities	Public Safety building – replace roof – engineering	\$60,000	Capital Stabilization	This is the engineering part of the roof replacement. Will hire an engineer to look at the roof and estimate the remaining life on the roof and determine how soon we need to replace the roof and estimate the replacement cost.
Facilities	Town hall – replace roof – engineering	\$45,000	Capital Stabilization	Same as the Public Safety building above, but for Town Hall. Both buildings were built in the same era, so it makes sense to assess both together.
Facilities	Johnson school - re-tile 2nd floor hallway	\$40,000	Capital Stabilization	This is part of the asbestos abatement plan. As part of this plan, any tiles that are cracking or in danger of cracking need to be removed and replaced with vinyl composite tiles. Previously, we replaced some tiles in the lower hallways.
Facilities	Ben - Hem – Paint 2nd floor classroom	\$40,000	Capital Stabilization	The Ben-Hem building was built before the Public Safety building and Town Hall. At present, we are budgeting this as contract work because of the volume of painting that we need town-wide. However, if we have capacity and we can do this in-house, we'll the money will not be spent and this will return to Free Cash.

Department	Title	Request	Funding Source	Commentary
Facilities	Lilja – replace hallway walls with drywall	\$40,000	Capital Stabilization	These walls were composite and are difficult to paint and maintain and will be replaced with drywall. They will have the engineer looking at the roofing on Town Hall and the Public Safety buildings to also assess the condition of the Lilja roof prior to installation of the drywall. The new wing on the right as you head towards the gymnasium will not need replacement because it is the newer wing built in the 90s, so this is the older wing.
Facilities	Memorial – replace bathroom partitions	\$40,000	Capital Stabilization	This is a continuation of the program that we have been doing it all the elementary schools. We've completed Brown, Lilja, and Beh-Hem. The partitions are failing and are being replaced with a new style that is less likely to rust and are less expensive than the metal partitions.
Facilities	Memorial – replace office carpet and classroom VCT	\$40,000	Capital Stabilization	There is no asbestos tile at Memorial however the VCTs are failing and need replacement. The carpet is just the principal's office space in the back of the building.
Facilities	Ben – Hem replace admin office carpet	\$30,000	Capital Stabilization	Carpet replacement to replace worn carpet in admin and nurse's station area.
Facilities	Public Safety building – Replace windows glazing	\$30,000	Capital Stabilization	There are windows that are failing in the Public Safety Building, allowing air to infiltrate. Will re-glaze and re-seal the windows.
Facilities	Ben – Hem exterior masonry repair	\$20,000	Capital Stabilization	This is to re-grout the capstones of Ben-Hem to ensure that no water infiltrates and damages the school.
Facilities	Ben – Hem re-surface parking lot and sidewalks	\$160,000	Capital Stabilization	Re-pave the parking lot and the circular entryway to Ben-Hem. While the condition of the circular entryway is in bad, given that where repaving the rest of the parking lot it's worth bringing it up to standard of the rest of the parking lot at the same time.
Facilities	Library – replace exterior doors	\$15,000	Capital Stabilization	Doors are starting to have seam-seal problems and the door thresholds need to be replaced.
School	Lilja – AC in Gym #&	\$15,000	Capital Stabilization	This is in line with the policy of doing AC in conference rooms, gyms, and cafeterias. #& indicates this will be done in tandem with Ben-Hem music room and cafeteria.
Facilities	Police Department – add the door to conference room #*	\$10,000	Capital Stabilization	This project will also be bid with the NHS preschool classroom connecting door, as signified by #*. The Police Department requested that they add a door to their conference room so that people entering that conference room. It's more than just a door because they have to carve out space for this door. Right now, you have to go through an office to get to this conference room, which is disruptive.

Department	Title	Request	Funding Source	Commentary
Community Svces - Recreation	Community garden plot repair – JJ Lane	\$10,000	Capital Stabilization	Replacement of rotted timbers. It's believed that the wrong type of wood was used, leading to premature deterioration. The new timbers will be the same as those being installed at Navy Yard field and the wood has an estimated life of 12 years and we will request that the installer install these at JJ Lane also. It will have composite on the base and the caps to ensure longevity of those components.
Facilities	Ben-Hem AC music room and cafeteria #8	\$10,000	Capital Stabilization	AC in music room and cafeteria
Facilities	NHS preschool – install classroom connecting door #*	\$8,000	Capital Stabilization	Installation of a door to connect classrooms in addition to the hallway door. This is standard security in classrooms elsewhere in the high school building and is considered a best practice.
Town Administration	Capital maintenance	\$100,000	Capital Stabilization	This reserve is similar to that of capital equipment in the event of unforeseen capital improvements (not equipment) that provides the flexibility to resolve the issue quickly. It's designed to allow town administration to act nimbly in response to urgent needs. Ms. Malone noted that town government structure does not lend itself well to quickly reacting to crises. This allocation is design to enable the town to respond quickly to events. If not used, it will remain in the capital plan. Mr. Chenard added that should an emergency come up, town administration would contact the Procurement Officer to get authorization to tap into this reserve. It would then have to contact MA Dept. of Capital Management & Maintenance (DCAMM) who can issue a DCAMM certification of an emergency. We would then request quotes (there are a number of companies that specialize in this type of work, i.e., ServPro. In the Comptroller would approve it if we had a funding source in place. This is the reason to have this reserve fund available – it is the funding source the Comptroller would need before authorizing payment. Mr. Chenard said that he would provide a document that outlined the process of using this reserve account to the Finance Committee and we urged that this be included in the Recommendation Book for Town Meeting.
Town Administration	Library - roof replacement	\$500,000	Capital Stabilization	Last year we had the engineering assessment of the roof and the findings were that there are numerous leaks and the roof is failing and needs replacement.
Water Sewer	High lift, H&T building modifications Springvale	\$400,000	Env Bond Bill	For building modifications of the High-Lift Pump and Filter Modifications. This houses the water quality testing lab. It's a very humid atmosphere which generates a lot of rust. This funding will repair and rehabilitate the interior and exterior of the buildings including floor coatings, wall panels, ceiling systems, and heating to increase security, efficiency and reliability. This is the town's primary drinking water source.

Department	Title	Request	Funding Source	Commentary
Water Sewer	Springvale WTR air stripper media replacement	\$380,000	Env Bond Bill	These are the big towers that you see as you travel down Rte. 9. Water trickles down through these towers, stripping out the VOCs (volatile organic compounds), and helps oxidize and remove iron and manganese, and adjust the pH value of the water. These filters are nearing the end of their useful life. It also helps our water be less corrosive to our pipes, extending the life of those pipes.
Golf course	Bunker renovation	\$6,000	GC retained earnings	This will help resolve one of the few complaints customers have with the GC. This is the purchase of sand to add to selected bunkers (to re-do all the course bunkers would cost \$180K). This will make the course more playable for the next 10 years.
DPW – Engineering	Roadway and sidewalks supplement	\$750,000	Tax Levy borrowing	<p>SUBSEQUENT TO SUBCOMMITTEE MEETING, THIS FIGURE WAS RAISED FROM \$500K TO \$750K! This appropriation supplements the Chapter 90 funds that are just under \$1 million, based on the Roadway Improvement plan. The town paved 20 roads last year. The Town hired a consultant (Stantec) to assess the condition of town roads, unaccepted roads, and sidewalks. The prior study used a roadway condition rating, which rated roads from 1 to 100. The methodology used by Stantec is an industry-standard, but is different from the roadway condition rating, so it's not an apples-to-apples comparison. So we have done a re-set of the field surveys of the town roads. They are presenting their findings to the BOS shortly. The link to the study is https://www.natickma.gov/documentcenter/view/7856. The first consultant's study was 10 years ago, and was updated by the former town engineer based on roads that had been updated and using industry norms that define the deterioration curves (or rate). Those results were based on the model. This study was a full re-set of that study. The subcommittee asked whether the road conditions were improving, staying the same, or worsening, given the amount that the town is investing in roadway improvements. Average PCI for the accepted roadways is 63.4 (out of 100); prior modeling had estimated it in the low 70s, confirming the worsening conditions of the roadways. Mr. Marsette cautioned that the deterioration rate is not a straight line; rather it's a curve where it may deteriorate 15% over 8 years, then have deterioration accelerate after that point. This winter has been particularly rough due to the numerous freeze-thaw cycles. With constrained resources, DPW can only focus on keeping your good roads good by re-filling cracks whereas rebuilding the entire surface of the road is MUCH more expensive. So, given limited resources, the town cannot get to all the roads that need attention. The town tries to cluster projects where possible and align it to other capital projects in the that area, so we're not paving a street that is due to have a water main re-lined, for example. The 5-year road plan assumes level funding, but absent other funding, the town would have to defer five roads that are on the roadway improvement plan. The town is working through its representatives to get the State of MA to increase Chapter 90 funds. There is resistance because there isn't a revenue offset, but they are considering ways to incent towns to invest in roads through (potentially) 1:1 matching Chapter 90 to local funds, up to a capped figure.</p>

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DPW – Engineering	Engineering & repairs to the Charles River Dam	\$1,250,000	Tax Levy borrowing	We completed phase 1 of this project last year. This is phase 2 of the project and the balance of the request. DCR is the permitting agency that oversees dams in MA. The town is looking to incorporate power generation into the spillway construction. The town is also working with the Conservation Commission because they will need to remove a lot of vegetation, as well as the Historic Commission because it's a "historic dam".
DPW – Engineering	Construction – roadway improvements S. Main St.	\$3,500,000	Tax Levy borrowing	For the re-construction of roadway improvements on South Main St., covering a little over a mile stretch of So. Main St. Goals are to improve the roadway and drainage, add curbing, sidewalks and driveways and to improve bike and pedestrian safety. The roadway travel ways will be slightly narrowed and the shoulder widths widened and more consistent over the stretch of road that ends at West St. However, the repaving will go all the way to the town line with Sherborn (there's a lot of sediment and they will improve that stretch).The goal is to add a sidewalk all the way down to West Street. It's believed that any land taking will be very minor, if at all.to enable the building of this sidewalk.
Water Sewer	Water main relining /replacement	\$1,500,000	W/S borrowing	This is the beginning of a multi-year project to replace 6 inch and 8 inch cast-iron pipe over a 4500 foot stretch of roads on Pauline Drive and Stephen Circle with a long history of leaks. This will affect 38 residential homes. The subcommittee asked for an estimate of how much of these types of pipes need replacement. Last year, Town Meeting funded the first phase of this study which they have in hand. Mr. Marsette said that they are working up that estimate and would provide it to the Committee. There There are and are 200 miles of pipe townwide. The types that are not realigned are subject to a buildup of iron and manganese that leads to a narrowing of the pipe, compromising throughput and causes potential blockages and breaks.