

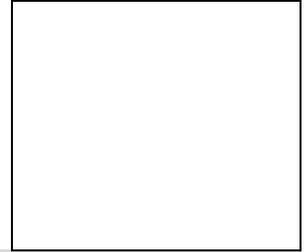


MEETING POSTING

TOWN OF NANTUCKET

Pursuant to MGL Chapter 30A, § 18-25

All meeting **notices and agenda** must be filed and time stamped with the Town Clerk's Office and posted at least 48 hours prior to the meeting (excluding Saturdays, Sundays and Holidays)



Committee/Board/s | Capital Program Committee

Day, Date, and Time | Wednesday, October 26, 2016 at 8:00AM

Location / Address | 4 Fairgrounds Rd, Nantucket MA PSF Community Room

Signature of Chair or Authorized Person | Lynell Vollans

WARNING: IF THERE IS NO QUORUM OF MEMBERS PRESENT, OR IF MEETING POSTING IS NOT IN COMPLIANCE WITH THE OML STATUTE, NO MEETING MAY BE HELD!

AGENDA

Please list below the topics the chair reasonably anticipates will be discussed at the meeting

1. Call to Order
2. Approval of Minutes of Meetings on October 19, 2016.
3. Overview of FY2018 Police, Fire and IT Capital Requests.
4. Date of Next Meeting- Wednesday, November 2, 2016 at 8:00am - 4 Fairgrounds Training Room.
5. Adjournment



Town of Nantucket
Capital Program Committee
www.nantucket-ma.gov

Members: Christy Kickham (Chair), Peter McEachern (vice chair), Richard Hussey (Secretary), Jim Kelly, Nat Lowell, Pete Kaizer, Stephen Welch

MINUTES

Wednesday, October 19, 2016
4 Fairgrounds Road, Conference Room – 8:00 am

Called to order at 8:08 a.m.

Staff: Libby Gibson, Town Manager; Lynell Vollans, Assistant Director Finance; Julia Lindner, Financial Analyst; Terry Norton, Town Minutes Taker
Attending Members: Kickham, Hussey, McEachern, Kelly, Lowell, Welch
Absent Members: Kaizer
Early departure: Lowell, 9:42 a.m.
Department Heads: Kara Buzanoski, Department of Public Works (DPW) Director
Documents used: Copies of October 5 & 12, 2016 minutes; 2018 through 2027 Projects by Department spreadsheet, DPW projects; DPW capital project request packets

I. APPROVE MINUTES

1. October 5, 2016: **Motion to Approve.** (made by: Hussey) (seconded by: McEachern) Carried unanimously
2. October 12, 2016: Lowell – Asked to correct “Atlantic Avenue to one way” to read “Pleasant Street one-way out of Town from Williams Lane to 5 Corners” **Motion to Approve as amended.** (made by: McEachern) (seconded by: Lowell) Carried unanimously

II. OVERVIEW OF DPW FY2018 CAPITAL REQUESTS

Discussion **Buzanoski** – A number of vehicles being requested to include: pick-up trucks with plows and a dump truck with plow. New equipment for this year: \$250,000 for a second loader for use in snow removal which currently they rent from a contractor; \$250,000 for a bucket truck with chipper; \$200,000 for a grader that needs to be replaced; \$100,000 for a leaf and rubbish vacuum truck; \$50,000 for mowing equipment. Also for this year is \$200,000 to replace the ‘Sconset flagpole; they have also applied for CPC funds for the flagpole restoration.
Hussey – Asked what happens to old vehicles being replaced.
Buzanoski – They are traded in where possible.
Hussey – Asked why there are no numbers for the last three years 2025-2027.
Buzanoski – She will have to work on that.
Lowell – Asked about the 1-ton dump truck with plow; why not sell vehicles and if Don Allen is used.
Buzanoski – This is the work horse of the department. Typically we try to trade in old vehicles rather than sell. We buy new vehicles off the State bid. There are several companies that have Ford, which is the vehicle type we typically purchase.
Hussey – ‘Sconset flagpole, it will cost \$200,000; asked about that cost.
Buzanoski – That’s what the architect said. She has a meeting scheduled to review the plan. Nothing has been paid to the design architect as yet. The cost includes the pole and concrete base, removing the existing concrete pathway and collar, and excavation for a deeper base for the new pole.
Kickham – Asked about the usage of the truck with plow.

Buzanoski – Depending on the severity of a storm, we have three loaders and a 1-ton. Previously, we had 12 people working the roads responsible for clearing 10 miles; now we have 16 people on the road and are working to reduce the amount of road surface they are responsible for clearing; five miles of road is considered the optimum for snow removal.

Kelly – One vehicle will replace a rent or lease from contractor, asked the cost savings in regards to payment and repairs and maintenance.

Buzanoski – Currently they pay \$250 per hour to lease the vehicle; she will get back to the committee with the total cost per year in savings.

McEachern – Of the new replacement equipment, asked how many will not have indoor storage.

Buzanoski – The tree topper, mower, and trucks are outside. We’ve just started the feasibility study on the garage, which would allow for more indoor storage.

McEachern – In the feasibility study it might behoove everyone to work first from a bare-bones, cold-storage structure that can house all the rolling stock, then look at adding the mechanic’s zone and lastly other personnel space.

McEachern – Asked if every piece of equipment has a maintenance schedule.

Buzanoski – The current mechanic is putting together a paper manual for that and working with the State on software. Noted they also maintain other department vehicles as well. They have three open trailers for transporting mowers; open trailers provide more flexibility. The garage plan also provides a truck wash-off area that would comply with the Harbor Plan and eventually flow into the Madaket sewer.

Kelly – Asked for an average on the age of the fleet.

Buzanoski – Rolling stock is about 40 vehicles; over the last several years, she has been more proactive about replacement. She doesn’t know the average age “off the top of her head;” she’ll get that information.

McEachern – Asked if she ever looked at contracting the chipper work.

Buzanoski – The problem with a vendor is working with their schedule. The bucket truck allows us to trim trees away from lines as needed; it goes out most days and it’s not unusual for it to come back with several tons of limbs. She is in the process of putting the Town trees into a database; they’ve been kept on file cards. The Tree Warden uses a company for pest management on the trees

McEachern – Asked if there is anyone on staff who is a licensed pest management applicator. If not, it might make sense to contract work out to tree companies or golf courses who have licensed applicators on staff. There are different licenses for fungicide, herbicide, and fertilizer application.

Buzanoski – There isn’t a licensed applicator on staff; the Tree Warden does reach out to experts for help and does calculations to ensure they are in compliance.

Lowell – In a general sense, stock rusts outside; there are products on the market to prevent that. If the money for the building consultant is spent on maintenance, that would be a huge help. Thinks talking about contracting is a good discussion to have. Long-term we need to have real buildings with heating to maintain these vehicles. Advised keeping the older diesel vehicles running as long as possible.

Hussey – Asked if the committee will leave the \$10m for a new garage in FY2019.

Gibson – This is a dynamic document; numbers will change. It’s a good idea to have a big project that will put rolling stock inside; we can discuss the pros and cons of heated versus not heated. We need to look at getting better working conditions for personnel.

Hussey – Asked about the tree shop.

Buzanoski – Explained what the manager does and his need for an area away from the trucks.

Kickham – Asked what is in the out years.

Buzanoski – It’s mainly vehicle replacement and staying within the schedule for them; the main project is the garage. Reviewed the site plan for the new garage.

McEachern – If there isn't a building in which to store new equipment at this time, thinks the money for them should not be spent; hold off buying new vehicles until the garage is built.

Kelly – Suggested putting buildings together, where possible, to reduce the overall cost.

Lowell – The weight room issue, certain items will get cut. We should do this right one time, not piecemeal.

Welch – On the site plane, he doesn't see areas for outdoor clean up, heated and non-heated storage areas and enough bulk storage space. Asked what's the next step with the space needs assessment.

Buzanoski – She hasn't had a chance to talk about that yet; this is just a feasibility study. A lot of discussion needs to happen before the space needs assessment. As for storage, the larger building would have mezzanine storage on one side.

Welch – Suggested looking at using basement space for storage of smaller items.

Lowell – Noted the Airport equipment storage building is an excellent model to look at. Agrees about looking at use of basement space.

Kelly – Encouraged looking at creation of a building committee early on in the process.

Welch – Suggested during the design phase to focus on justification for cost, offset, capital offset, etc.

Hussey – As for the 10-wheeler and 6-wheel dump truck for FY2021, asked if the vehicles are out of service. The document says the 10-wheeler.

Buzanoski – This is an out-year replacement of a existing vehicles; they are in use at this time. Noted that needs to be corrected in the request proposal for the 10-wheeler.

III. DISCUSSION OF PROCEDURES AND EXPECTATIONS

Discussion **Kickham** – This is internal committee business to create criteria for departments so they know the some of the questions CapCom will ask.

Welch – This committee's procedures, objectives, and role were updated and established in 2013; it might be time again to review and update them. He explained how a person not involved in the process might perceive some of the projects. Given the \$120m of projects for FY2018, this committee is charged with about \$9m per hour review; this speaks to the necessary level of review required. He looked at the review processes of other towns and cities for possible changes that might be in Nantucket's best interest. It isn't appropriate at this time to make changes that affect this fiscal year review; suggested starting that review in January. He suggests for this year the committee build familiarity with line items and each member be assigned a Capital Improvement Plan (CIP) category. We want to be able to advocate our decisions; to do that, we must be able to justify the decisions.

Lowell – Asked how long the committee has been working under the present system.

Gibson – For a long time; we try to make improvements every year. The hope with the new stock plan was to provide more information sooner. Unfortunately, one person is not dedicated to getting the information and details together. She has also looked at other Towns; they are all over the board. We have had frequent discussions about what this committee wants to see and feels it needs. Asked that the "wrap up" be March or April due to her schedule to prepare for Annual Town Meeting in January and February.

Lowell – The big-ticket items required more in-depth review and should be separated from the simpler items like vehicle replacement.

Gibson – The Town needs a built-up Facilities Management Department; that manager would lay out the procedure for approaching a large project. There should be a feasibility analysis, a program, all options laid out, assignment of the OPM, etc. Currently, the departments do it on their own.

McEachern – Suggested each member take on a department to work with and advocate for.

Welch – Reviewed his vision for the work to be accomplished during the procedures meetings. Feels there should be a plan on how to manage capital review versus current capability and

accomplishing needs. Ms Gibson should be involved but feels there are still items that can be mapped out in January when Ms Gibson is not available.

Kelly – The sooner the review can be done the better. Asked for clarification on what will be changed now, if that is a decision to be made today.

Lowell – To Mr. McEachern's suggestion, thinks it should be more than one person per department.

Kickham – Suggested leaving it up to department heads and when they can meet.

Welch – There are nine departments: Facilities, Fire Department (FD), DPW, Nantucket Police and Marine, Nantucket Public Schools (NPS), Our Island Home (OIH), Sewer, Town Administration, and Transportation.

Gibson – There are 13, also: IT, Airport Wannacomet Water Company (WWC), Solid Waste VOLUNTEERS

Welch – NPD/Marine and DPW

Lowell – Doesn't want to volunteer but wants to be part of DPW to include: sewer, solid waste, transportation, and facilities.

Hussey – FD and NPS

Kickham – Airport and WWC

McEachern – Town Administration and NPS

Kelly – OIH

Discussion about having Kaizer take IT and Sewer

IV. CAPCOM BUSINESS

1. **Gibson** – Noted that NPS and Facilities did not make it onto the initial schedule; she will schedule them for November 16.
2. **Welch** – He would like to have a bond report (debt service report) added to the agenda. He had asked for information on how much they are and where they are. He had also asked for a version of the CIP with the two previous years. Asked the procedure for follow up on such requests. **Vollans** – We don't have FY2016 in the new capital planning software. **Gibson** – Prior to the software, there was a 15-page spreadsheet; that might be able to be provided for FY2016. Discussion about how to provide Mr. Welch with the information he has asked for. **Welch** – Asked if the September 26, 2016, CIP is the most up to date. **Vollans** – That's a working document; she can print it off or email it. **Kelly** – Asked when the individuals meeting with departments would take place. He would prefer them to take place prior to the presentation so that the presenter is more prepared. **Gibson** – She will schedule them.

V. DATE OF NEXT MEETING

Wednesday, October 26, 2016, 8:00 a.m. at 4 Fairgrounds Road, Training Room

Topics: IT, Police/Marine, and Fire

Adjourned at 9:46 a.m.

Submitted by:

Terry L. Norton

Town of Nantucket, Massachusetts
Capital Improvement Plan
2018 thru 2027

PROJECTS BY DEPARTMENT

Department	#	Priorit	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Police Department													
Replace Dispatch Equipment	PUBL-18-002	1	930,150										930,150
Harbormaster Industry Road layup yard and workshop	PUBL-19-001	n/a		240,000									240,000
Harbormaster Office	PUBL-20-001	n/a			2,547,000								2,547,000
Patrol Boat Replacement	PUBL-21-001	1				150,000							150,000
Police Department Total			930,150	240,000	2,547,000	150,000							3,867,150
GRAND TOTAL			930,150	240,000	2,547,000	150,000							3,867,150

TRUNKED SYSTEM UPGRADE



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March 24, 2016

Deputy Chief Charles Gibson
Nantucket Police Department
4 Fairgrounds Road
Nantucket, MA 02554

Subject: Motorola Core Upgrade

Dear Deputy Chief Gibson:

Motorola Solutions, Inc. ("Motorola") is pleased to have the opportunity to submit this proposal to the Town of Nantucket, MA Police Department ("Nantucket Police") for quality communications equipment and services, to support the upgrade of the Nantucket Police Land Mobile Radio Infrastructure. The Motorola project team has developed the proposed solution through a collaborative effort to ensure we best meet the functional and operational requirements of the Department. Motorola's solution includes a combination of hardware, software and services. Specifically, this solution is to upgrade the existing ASTRO 25 7.7 system to the latest ASTRO 25 7.16 System.

Motorola Solutions determined based upon cost and needs analysis that the most economically beneficial way to upgrade Nantucket's ASTRO system to the latest 7.16 revision was to migrate to an L2 Core. The L2 Core will provide the same features and functionality as the previously installed M2 Core, yet will allow for the current upgrade, as well as future upgrades, at a lesser cost than would have been experienced with the M2 Core.

This proposal consists of this cover letter and the following written proposal document. The proposed solution is being offered subject to the Commonwealth of Massachusetts ITT57 State Contract for Two-Way Radio Communications Equipment and Services and the enclosed Motorola Terms Sheet, Software License Agreement (SLA) and Service Terms and Conditions (collectively, "Motorola Terms"). Upon Nantucket Police Department's decision to purchase, it may issue a purchase order to Motorola Solutions, Inc. referencing the MA State Contract No. ITT57 as modified by Motorola Terms.

Motorola would be pleased to address any concerns the Nantucket Police Department may have regarding the proposal. Any questions can be directed to your Motorola Senior Account Manager, Jon Lamoureux, at (617) 699-2749.

We thank you for the opportunity to furnish the Nantucket, MA Police Department with 'best in class' solutions, and we hope to strengthen our relationship by implementing this project. Our goal is to provide you with the best products and services available in the communications industry.

Sincerely,

Michael Sheridan
Area Sales Manager – New England Region

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SECTION 5

PRICING

TRUNKED SYSTEM UPGRADE

MARCH 4, 2016



The design, technical, pricing, and other information ("Information") furnished with this submission is proprietary information of Motorola Solutions, Inc. ("Motorola") and is submitted with the restriction that it is to be used for evaluation purposes only. To the fullest extent allowed by applicable law, the Information is not to be disclosed publicly or in any manner to anyone other than those required to evaluate the Information without the express written permission of Motorola.

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PRICING

The proposed solution is being offered subject to the Commonwealth of Massachusetts ITT57 State Contract for Two-Way Radio Communications Equipment and Services and the enclosed Motorola Terms Sheet, Software License Agreement (SLA) and Service Terms and Conditions (collectively, "Motorola Terms"). Upon Nantucket Police Department's decision to purchase, it may issue a purchase order to Motorola Solutions, Inc. referencing the MA State Contract No. ITT57 as modified by Motorola Terms.

5.1.1 Pricing Summary

Equipment and Services	Total
Hardware and Software to provide upgrade of Master Site Core, Site Controllers, G-Series Base Stations, MCC consoles and NICE Equipment per system description and Statement of Work	\$785,010
Engineering	\$38,681
CCSI Factory Staging	\$26,289
Project Management	\$65,253
System Technologists Integration Support	\$84,323
Hardware Installation	\$87,494
Warranty	\$55,827
Two Year SUA II	\$180,600
System Value:	\$1,323,477
ITT57 Standard Discount	-\$149,152
Motorola Software Credit	-\$119,175
Motorola Incentive Discount	-\$125,000
Final System Price including all discounts and incentives	\$930,150

5.1.2 Optional Pricing

Equipment and Services	Total
Year 2018 SUA II	\$91,100
Year 2019 SUA II	\$91,700
Year 2020 SUA II	\$92,300
Year 2021 SUA II	\$93,000
Year 2022 SUA II	\$93,600
Year 2023 SUA II	\$94,300
Year 2024 SUA II	\$95,000
Year 2025 SUA II	\$95,700
4 Hour Onsite Response with Local Dispatch	\$39,000
Infrastructure Repair with Next Day Advanced Replacement	\$28,250

5.2 LEASING OPTIONS

Leasing options based upon 0% down payment lease and financing of full system cost of \$930,150. The leasing figures below are to be used as a guideline only. Leasing options can be quoted at the time of system purchase.

	Option 1	Option 2	Option 3
<i>Lease Term</i>	3 Years	5 Years	7 Years
<i>Payment Type</i>	Monthly Arrears	Monthly Arrears	Monthly Arrears
<i>Lease Rate</i>	3.23%	3.47%	3.60%
<i>Lease Factor</i>	0.029183	0.018178	0.013485
<i>Payment</i>	\$27,144.57	\$16,908.27	\$12,543.07
<i>Payment Commencement</i>	First payment due one month after contract execution	First payment due one month after contract execution	First payment due one month after contract execution

5.3 PAYMENT SCHEDULE

Motorola has provided the suggested payment terms for the Town of Nantucket's consideration. Nantucket will make payments to Motorola within thirty (30) days after the date of each invoice. The Town will make payments when due in the form of a check, cashier's check, or wire transfer drawn on a U.S. financial institution and in accordance with the following milestones:

1. 15% of the Contract Price upon execution of the contract;
2. 60% of the Contract Price upon Shipment of Equipment to the customer designated location;
3. 20% of the Contract Price upon Completion of Installation; and
4. 5% of the Contract Price upon System Acceptance

Motorola reserves the right to make partial shipments of equipment and to request payment upon shipment of such equipment. In addition, Motorola reserves the right to invoice for installations completed on a site-by-site basis, when applicable.

5.4 EQUIPMENT LIST

5.4.1 L2 Core Equipment List

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM0274	SINGLE ZONE TRUNKED L CORE
1	CA02882AA	ADD: REDUNDANT CORE
1	CA01663AB	ADD: RACK
1	CA01741AE	ADD: SECURITY BUNDLE
1	CA02472AC	ADD:RADIO AUTHENTICATION
1	UA00225AA	ADD: UEM ENHANCED NAVIGATION
1	UA00227AA	ADD: UEM SNMP ELEMENT MANAGEMENT TOOLKIT (QTY 10)
1	CA01750AA	ADD: TERMINAL SERVER
1	CA02635AA	ADD: Fortinet Firewall Appliance
2	UA00153AA	ADD: ASTRO 25 FDMA SITE LICENSE
14	CA02193AA	ADD: ANTI-MALWARE DEF UPDATE LIC
6	T7885	MCAFEE WINDOWS AV CLIENT
1	TT2833	COMPUTER, Z440 WORKSTATION WINDOWS 7 (NON RETURNABLE)
1	DSTG191	TECH GLOBAL EVOLUTION SERIES 19INCH NON TOUCH
1	TT2833	COMPUTER, Z440 WORKSTATION WINDOWS 7 (NON RETURNABLE)
1	T8206	ASTRO CLIENT APPL SW 7.16
1	DSTG191	TECH GLOBAL EVOLUTION SERIES 19INCH NON TOUCH
1	DVN4046B	MASTER SYSTEM KEY STARTER KIT
1	DLN6975	FRE: DL380 G9 HC 900 GB DISK
1	DLN6880	DAS - CHASSIS ONLY
1	DLN6978	FRU: DOTHILL 4524 RAID I/O CONTROLLER MODULE
1	DLN6867	DAS POWER SUPPLY
2	CKN6967	CABLE, DATA,MINI-SAS TO MINI-SAS HD, LENGTH 1M
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
1	CLN1856	2620-24 ETHERNET SWITCH
2	DLN6878	DAS - 600 GB SAS HARD DRIVE
1	T6757	KVL3000PLUS FLASHPORT UPGRADE
1	CA00183AA	CA00183AA
1	CA00244AA	ADD: ADP ENCRYPTION

5.4.2 RF and Dispatch Site Equipment List

QTY	NOMENCLATURE	DESCRIPTION
1	B1905	MCC 7500 ASTRO 25 SOFTWARE
4	CA00899AA	ADD: MCC 7500 DISPATCH CONSOLE SOFTWARE REFRESH LICENSE
4	DDN2091	IRR SOFTWARE UPGRADE TO V47
1	B1905	MCC 7500 ASTRO 25 SOFTWARE
1	DLN6455	CONFIGURATION/SERVICE SOFTWARE
4	T7449	WINDOWS SUPPLEMENTAL TRANS CONFIG
4	TT2833	COMPUTER, Z440 WORKSTATION WINDOWS 7 (NON RETURNABLE)
4	DSTG221	TECH GLOBAL EVOLUTION SERIES 22INCH NON TOUCH
4	DDN2134	SOUND BLASTER AUDIGY FX PCIE SOUND CARD
4	B1934	MCC 7500 VOICE PROCESSOR MODULE FRU
4	CDN6673	CREATIVE LABS INSPIRE A60
4	CA00147AF	ADD: MCC 7500 SECURE OPERATION
4	CA00245AA	ADD: ADP ALGORITHM
1	1009513002	Power Supply
1	30009351001	DC CABLE ASSY
1	3082933N08	GR500 AC POWER CORD
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA02141AA	ADD: LOW DENSITY ENH CONV GATEWAY
1	CA01616AA	ADD: AC POWER
1	T7955	SDM3000 ALL CONFIGURATION SOFTWARE AND FIRMWARE TO CURRENT VERSION
1	CA02401AA	ADD: SDM3000_ASTRO_RTU FIRMWARE UPGRADE
1	T7140	G-SERIES SOFTWARE UPGRADE
1	CA01246AA	ADD: MCC 7500 CONV SITE UPGRADE
1	TT2833	COMPUTER, Z440 WORKSTATION WINDOWS 7 (NON RETURNABLE)
1	B1934	MCC 7500 VOICE PROCESSOR MODULE FRU
1	CA00900AA	ADD: MCC 7500 AIS SOFTWARE REFRESH LICENSE
1	CA00147AF	ADD: MCC 7500 SECURE OPERATION
1	CA00245AA	ADD: ADP ALGORITHM
1	CA00140AA	ADD: AC LINE CORD, NORTH AMERICAN
1	T7885	MCAFEE WINDOWS AV CLIENT
1	DDN2163	UPGRADE BUNDLE TO REPLACE HARDWARE ONLY FOR PRIMARY LOGGER WITH GEN9
1	TT2546	NICE UPGRADE SOFTWARE TO 7.16 SYSTEM RELEASE

QTY	NOMENCLATURE	DESCRIPTION
1	TT2833	COMPUTER, Z440 WORKSTATION WINDOWS 7 (NON RETURNABLE)
1	DDN2093	17IN LCD DRAWER WITH KEYBOARD AND MOUSE, KVM 8 PORTS, CABLES
1	DDN9748	19 INCH BLACK SHELF
1	T7449	WINDOWS SUPPLEMENTAL TRANS CONFIG
1	TT2833	COMPUTER, Z440 WORKSTATION WINDOWS 7 (NON RETURNABLE)
1	B1934	MCC 7500 VOICE PROCESSOR MODULE FRU
1	CDN6673	CREATIVE LABS INSPIRE A60
2	SQM01SUM0205	GGM 8000 GATEWAY
2	CA01619AA	ADD: DC POWER
2	ST5140A	HP PROCURVE OS UPGRADE
1	T7140	G-SERIES SOFTWARE UPGRADE
4	CA01197AA	ADD: IP BASED MULTISITE OPERATION UPGRADE
1	T7140	G-SERIES SOFTWARE UPGRADE
1	CA01196AA	ADD: IP BASED MULTISITE SITE CONTROLLER SOFTWARE UPGRADE
3	CA02214BA	ADD: SIMUL REM SITE UPGRD LIC VOICE
1	T7140	G-SERIES SOFTWARE UPGRADE
1	CA01196AA	ADD: IP BASED MULTISITE SITE CONTROLLER SOFTWARE UPGRADE
3	CA02214BA	ADD: SIMUL REM SITE UPGRD LIC VOICE
1	T7955	SDM3000 ALL CONFIGURATION SOFTWARE AND FIRMWARE TO CURRENT VERSION
1	CA02401AA	ADD: SDM3000_ASTRO_RTU FIRMWARE UPGRADE
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01618AA	ADD: CONV CHAN GATEWAY
1	CA01619AA	ADD: DC POWER
2	ST5140A	HP PROCURVE OS UPGRADE
1	T7140	G-SERIES SOFTWARE UPGRADE
4	CA01195AA	ADD: IP BASED MULTISITE BASE RADIO SOFTWARE UPGRADE
1	T7955	SDM3000 ALL CONFIGURATION SOFTWARE AND FIRMWARE TO CURRENT VERSION
1	CA02401AA	ADD: SDM3000_ASTRO_RTU FIRMWARE UPGRADE
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01618AA	ADD: CONV CHAN GATEWAY
2	ST5140A	HP PROCURVE OS UPGRADE
1	CA01619AA	ADD: DC POWER
1	T7140	G-SERIES SOFTWARE UPGRADE

QTY	NOMENCLATURE	DESCRIPTION
4	CA01195AA	ADD: IP BASED MULTISITE BASE RADIO SOFTWARE UPGRADE
1	T7955	SDM3000 ALL CONFIGURATION SOFTWARE AND FIRMWARE TO CURRENT VERSION
1	CA02401AA	ADD: SDM3000_ASTRO_RTU FIRMWARE UPGRADE
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01618AA	ADD: CONV CHAN GATEWAY
2	ST5140A	HP PROCURVE OS UPGRADE
1	CA01619AA	ADD: DC POWER
1	T7140	G-SERIES SOFTWARE UPGRADE
4	CA01195AA	ADD: IP BASED MULTISITE BASE RADIO SOFTWARE UPGRADE
1	T7955	SDM3000 ALL CONFIGURATION SOFTWARE AND FIRMWARE TO CURRENT VERSION
1	CA02401AA	ADD: SDM3000_ASTRO_RTU FIRMWARE UPGRADE
2	SQM01SUM0205	GGM 8000 GATEWAY
2	CA01619AA	ADD: DC POWER

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Project # PUBL-19-001
Project Name Harbormaster Industry Road layup yard and workshop

Type New Construction **Department** Police Department
Useful Life **Contact** Bill Pittman
Category Buildings **Priority** n/a
Fund Type General Fund **Enterprise Fund** Not Applicable
Location

Description **Total Project Cost:** \$240,000
 Harbormaster workshop and layup yard on Industry Road.

Justification

Expenditures	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Construction/Maintenance		240,000									240,000
Total		240,000									240,000

Funding Sources	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Capital Fund		240,000									240,000
Total		240,000									240,000

Budget Impact/Other

Project # PUBL-20-001
Project Name Harbormaster Office

Type New Construction **Department** Police Department
Useful Life **Contact** Bill Pittman
Category Buildings **Priority** n/a
Fund Type General Fund **Enterprise Fund** Not Applicable
Location

Description **Total Project Cost:** \$2,547,000
 Construction of new building for the Harbormaster's office. This building will also include new public restrooms with shower facilities.

Justification

Expenditures	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Construction/Maintenance			2,547,000								2,547,000
Total			2,547,000								2,547,000

Funding Sources	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
General Fund			2,547,000								2,547,000
Total			2,547,000								2,547,000

Budget Impact/Other

Town of Nantucket, Massachusetts
Capital Improvement Plan
2018 thru 2027

PROJECTS BY DEPARTMENT

Department	#	Priorit	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Fire Department													
Replace Ambulance #1	FIRE-17-002	1		289,000								381,000	670,000
Replace Ambulance #2	FIRE-17-003	n/a	279,000								368,000		647,000
Utility Truck	FIRE-18-002	1										85,000	85,000
Fire Prevention/Ins C5	FIRE-18-003	n/a		43,000								56,000	99,000
Sconset Fire Station Feasibility Study	FIRE-18-004	1	100,000										100,000
ALS Equipment for one Ambulance	FIRE-18-005	n/a	50,000										50,000
Fire Supr/Ins C4	FIRE-19-001	1								53,000			53,000
Ambulance 3	FIRE-21-001	1				310,000							310,000
Engine 3	FIRE-22-001	n/a					460,000						460,000
Command C1	FIRE-23-001	1				46,000							46,000
Engine 1	FIRE-24-001	1							660,000				660,000
Command C2	FIRE-24-002	1						49,000					49,000
Ambulance 4	FIRE-25-001	1								355,000			355,000
Replace Engine 2	FIRE-25-002	1								525,000			525,000
Ladder Truck	FIRE-26-001	1									1,500,000		1,500,000
Engine 2	FIRE-26-002	n/a									525,000		525,000
Engine 4	FIRE-26-003	1									705,000		705,000
Fire Department Total			429,000	332,000		356,000	460,000	49,000	660,000	933,000	3,098,000	522,000	6,839,000
GRAND TOTAL			429,000	332,000		356,000	460,000	49,000	660,000	933,000	3,098,000	522,000	6,839,000

M A S S A C H U S E T T S

OFFICE OF EMERGENCY MEDICAL SERVICES

DEPARTMENT OF PUBLIC HEALTH

ADMINISTRATIVE REQUIREMENT MANUAL

EFFECTIVE DATE: September 9, 2015 **AUTHORIZATION:** M. Kass, Director

TITLE: Advanced Life Support (ALS) Equipment List

SUPERSEDES: October 13, 2014

General Principles

- A. **REGULATORY AUTHORITY:** 105 CMR 170.455, 170.460, 170.470
- B. **AUTHORIZED EQUIPMENT:** Ambulance services must carry equipment and medications as required by the Statewide Treatment Protocols. Ambulance services should not equip ambulances with equipment that is outside of scope of practice of its EMT employees, as defined by the Protocols, or outside of the service's level of licensure.
- C. **PERFORMANCE STANDARDS:** All equipment must be designed and constructed to meet medical performance objectives and must not endanger patients.
- D. **MAINTENANCE:** All equipment and supplies must be maintained for proper use according to manufacturers' specifications with regard to maintenance, storage, expiration date, replacement, etc.
- E. **SPECIFICATIONS:** All equipment must be latex free if available. Disposable is preferred.

ITEM	#	DESCRIPTION	MIN. SIZE PER ITEM	TOTAL QUANTITY	LEVEL		
					EMT-I	AEMT	Paramedic
Advanced Airway Management Kit	1.1	Supraglottic Airway (King-LT or LMA)	LG-ADULT ADULT PEDI	2 ea.	-	AEMT	Paramedic
	1.2	Endotracheal Tubes (sterile, single-use)	2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0	2 ea.	EMT-I	-	Paramedic
	1.3	Laryngoscope blades (disposable or stainless)	Curve-2 Curve-3 Curve-4 Curve-5 Straight-1 Straight-2 Straight-3 Straight-4	1 ea.	EMT-I	-	Paramedic
	1.4	Laryngoscope handle	ADULT PEDI	1 ea.	EMT-I	-	Paramedic
	1.5	Lubricant (water soluble, for airway insertion)		2	EMT-I	AEMT	Paramedic
	1.6	Waveform Capnography (EtCO ₂) device (may be incorporated into monitor, able to print or save)		1	EMT-I	AEMT	Paramedic
	1.7	Nasal Cannula for CO ₂ sampling	ADULT PEDI	2 ea.	-	-	Paramedic

ITEM	#	DESCRIPTION	MIN. SIZE PER ITEM	TOTAL QUANTITY	LEVEL		
					EMT-I	AEMT	Paramedic
	1.8	Straight T-Connector (15mm) for CO2 sampling		2	EMT-I	AEMT	Paramedic
	1.9	Stylette (sterile)	14F 6F	2 ea.	EMT-I	-	Paramedic
	1.10	Gum bougie introducer device (sterile)		2	EMT-I	-	Paramedic
	1.11	Syringe (sterile, larger may be packaged with supraglottic airways)	10cc 20cc	2 2	EMT-I -	- AEMT	Paramedic Paramedic
	1.12	Commercial tube holder (or equivalent)	ADULT PEDI	2 ea.	EMT-I	-	Paramedic
	1.13	Nasogastric tubes (sterile)	5F 8F 10F 14F	2 ea.	EMT-I	-	Paramedic
	1.14	Catheter-tip syringe (sterile)	2 oz	1	EMT-I	-	Paramedic
	1.15	Hemostat		1	EMT-I	-	Paramedic
	1.16	Colormetric capnometry device	ADULT PEDI	1 ea.	EMT-I	AEMT	Paramedic
	1.17	Magill Forceps	ADULT PEDI	1 ea.	EMT-I	-	Paramedic
	1.18	Spare bulbs (or equivalent) for device		1 ea. size	EMT-I	-	Paramedic
	1.19	Spare batteries for device		1 ea. size	EMT-I	-	Paramedic
Adult & Pediatric Advanced Airway kits may be packaged separately							

Intravenous Administration	2.1	Catheters (sterile, safety catheters)	14ga 16ga 18ga 20ga 22ga 24ga	5 ea.	EMT-I	AEMT	Paramedic
	2.2	Macro administration sets (adjustable rate set acceptable)	10gtt	4	EMT-I	AEMT	Paramedic
	2.3	Micro administration sets	60gtt	4	EMT-I	AEMT	Paramedic
	2.4	Venous Constricting bands		4	EMT-I	AEMT	Paramedic
	2.5	Padded arm board	PEDI	1	EMT-I	AEMT	Paramedic
	2.6	Syringes (sterile)	1cc 3cc 10cc 30cc	3 ea.	EMT-I	AEMT	Paramedic
	2.7	Antiseptic wipes (sterile, individual)		12	EMT-I	AEMT	Paramedic
	2.8	Bio-occlusive IV dressing		6	EMT-I	AEMT	Paramedic
	2.9	3-way stop-cock (for medication administration)		2	-	-	Paramedic
	2.10	Needles (sterile)	18ga 21ga 23ga 25ga	5 ea.	-	AEMT	Paramedic
	2.11	Intraosseous (automatic, drill-type) device		1	-	AEMT	Paramedic
	2.12	Intraosseous (manual) device/equivalent		2	-	AEMT	Paramedic

ITEM	#	DESCRIPTION	MIN. SIZE PER ITEM	TOTAL QUANTITY	LEVEL		
					EMT-I	AEMT	Paramedic
	2.13	Intraosseous needles (sterile)	LG-ADULT ADULT PEDI	2 ea.	- - -	AEMT AEMT AEMT	Paramedic Paramedic Paramedic
	2.14	Pressure infuser		2	-	AEMT	Paramedic
	2.15	IV extension set		2	-	AEMT	Paramedic
	2.16	NaCl (0.9%, sterile)	1000 ml 500 ml 250 ml 100 ml	6 2 2 6	EMT-I EMT-I EMT-I -	AEMT AEMT AEMT -	Paramedic Paramedic Paramedic Paramedic
	2.17	Buretrol		2	-	AEMT	Paramedic

Monitor	3.1	Defibrillator	required technology		EMT-I (AED)	AEMT (AED)	Paramedic
	3.2	Monitoring	required technology		-	-	Paramedic
	3.3	Pacing (transcutaneous)	required technology		-	-	Paramedic
	3.4	Cardioversion (synchronized & unsynchronized)	required technology		-	-	Paramedic
	3.5	Adjustable joule setting	required technology		-	-	Paramedic
	3.6	12 Lead capability	required technology		-	-	Paramedic
	3.7	Ability to Print & Save	required technology		-	-	Paramedic
	3.8	Pads (hands-free)	ADULT PEDI	2 ea.	EMT-I	AEMT	Paramedic
	3.9	Electrodes	ADULT PEDI	36 ea.	-	-	Paramedic
	3.10	Razor (single-use)		2	EMT-I	AEMT	Paramedic
	3.11	Spare ECG paper (roll or equivalent)		2	-	-	Paramedic
	3.12	Spare batteries (3/4 - full charge)		2	-	-	Paramedic
	3.13	Spare set of all necessary cables		1	-	-	Paramedic

Other ALS Equipment	4.1	Nebulizer (mouthpiece, T-piece)	ADULT PEDI	2 ea.	EMT-I	AEMT	Paramedic
	4.2	Pediatric length-based reference tape		1	EMT-I	AEMT	Paramedic
	4.3	Needle decompression kit or equivalent (sterile)	3" 14ga	2	-	-	Paramedic
	4.4	CPAP device with equipment to do inline nebulizer treatment	MEDIUM LARGE	2 ea.	-	-	Paramedic
	4.5	Pulse-Oximetry device (may be incorporated into monitor)		1	EMT-I	AEMT	Paramedic
	4.6	Pulse-Oximetry sensors	ADULT PEDI	2 ea.	EMT-I	AEMT	Paramedic
	4.7	Glucometer (with control solution; antiseptic wipes; small gauze; bandages)		1	-	AEMT	Paramedic
	4.8	Glucometer test strips		8	-	AEMT	Paramedic
	4.9	Lancets (single use, self-retracting)		8	-	AEMT	Paramedic
	4.10	Morgan Lenses eye shield		2	-	-	Paramedic
	4.11	Nasal Atomizers (in addition to BLS requirement)		2	EMT-I	AEMT	Paramedic

Town of Nantucket, Massachusetts
Capital Improvement Plan
2018 thru 2027

PROJECTS BY DEPARTMENT

Department	#	Priorit	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Town Administration													
Network Infastructure	ADMIN-17-001	1		50,000		100,000		50,000		100,000			300,000
Servers	ADMIN-17-002	1		75,000		75,000		75,000		75,000			300,000
2 Fairgrounds	ADMIN-17-004	1		30,000,000									30,000,000
Childrens Beach Concession	ADMIN-17-007	1	500,000										500,000
Replace Town Computers	ADMIN-18-001	1	50,000		50,000		50,000		50,000				200,000
GIS Digital Image Updates	ADMIN-18-002	1	300,000				300,000						600,000
Town Administration Total			850,000	30,125,000	50,000	175,000	350,000	125,000	50,000	175,000			31,900,000
GRAND TOTAL			850,000	30,125,000	50,000	175,000	350,000	125,000	50,000	175,000			31,900,000

Project # ADMIN-17-004
Project Name 2 Fairgrounds

Type New Construction **Department** Town Administration
Useful Life **Contact** Libby Gibson
Category Buildings **Priority** 1 Critical
Fund Type General Fund **Enterprise Fund** Not Applicable
Location None

Description **Total Project Cost:** \$30,000,000
 New Town office complex. The funding is for either a renovation of the 20 S. Water Street and 16 Broad Street location, or a new complex on a site to be determined.

Justification

Expenditures	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Construction/Maintenance		30,000,000									30,000,000
Total		30,000,000									30,000,000

Funding Sources	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
General Fund		30,000,000									30,000,000
Total		30,000,000									30,000,000

Budget Impact/Other

Project # ADMIN-17-007
Project Name Childrens Beach Concession

Type Improvement **Department** Town Administration
Useful Life **Contact** Kara Buzanoski
Category Buildings **Priority** 1 Critical
Fund Type General Fund **Enterprise Fund** Not Applicable
Location None

Description **Total Project Cost:** \$500,000

Justification

Expenditures	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Construction/Maintenance	500,000										500,000
Total	500,000										500,000

Prior
500,000

Total

Budget Impact/Other

GIS Capital Request

The GIS department is requesting \$300,000 in order to acquire new aerial imagery of Nantucket, Tuckernuck, and Muskeget, as well as updating the Town's data layers based on this new imagery.

The amount requested will be used to hire a consultant to help develop a Request For Proposals that will ensure that the data gathered meets the latest standards, as well as to conduct Quality Assurance of the delivered products. In the past we have used Applied Geographics, and have been very pleased with the results.

With the consultants help we will choose a vendor to create an updated ground control network, used to establish a base line of coordinate data to ensure geographic accuracy, and conduct an over flight of the islands to capture updated images of the island. This is typically done in the spring, timed to be just before trees begin to leaf out. In this case we would be expecting the flight to take place in April, 2018. The resulting imagery would be geo-referenced (i.e. positioned spatially) and merged to create a mosaic covering the entire area. Our consultant would double check the imagery to ensure its clarity, color, and edge matching (where the borders of individual photo tiles meet) are within established parameters.

The resulting mosaic will then be used by the selected vendor to update the 31 Town data layers that are developed from what can be seen on the aerial imagery. Examples of these layers are the coast line, ponds, buildings, road edges and centerlines, sidewalks, and ground contours. These layers form the base of every map developed for other Town departments and maps requested by the public.

The last set of aerials and updates were based on images flown in April of 2013. It is important that the Town update its data and imagery in order to account for changes to the environment and

infrastructure of the island since 2013. Erosion, accretion, new construction, changes to the transportation network, these are all in a constant state of flux, and ensuring that we have as up to date information as possible is essential. Accurate data helps the Town in its decision making when it comes to the planning and of placement of projects, both large and small. For the public, it helps when they have questions about their property, or the island in general. Additionally, each successive set of updates builds a history of the ways in which the island changes, changes that can be tracked to determine age and wear or significant changes over time.