



BELMONT, 1884.

Fiscal Year 2023 Capital Requests January 13, 2022 Cover Photo Credit to Amanda Chambers

Table of Contents

ransmittal LetterTA	B 1
Y 23 Summary of Capital RequestsTA	B 2
Detail of FY23 Capital Requests	
acilitiesTA	В3
 2022 Hybrid Explorer Butler Fix Masonry Facade Butler Phase VI Window Replacement Butler Supplemental Funding for New Fire Alarm New Electric Van 	
- New Electric Van	
 Replace Heat Exchanger Winn Brook Supplemental Funding for a New Fire Alarm and PA 	
ireTA	В4
 Air Packs Ambulance Replacement Program Cardiac Monitor Replacement Program Power Load Ambulance Cot System Replace Staff Car 	
nformation TechnologyTA	B 5
 Fiber Reconfiguration Burbank/Wellington Increase Network Storage Redundant Fiber Line to Antenna Site 	
ibraryTA	B 6
- RFID Tags and Equipment	
PoliceTA	В7
- Install Uni-Directional Radio Amplifier at 460 Concord Ave	

- Replace EMD Server

Table of Contents

Public Work	s – Highway, Park, CemeteryTAB 8
-	#55 Brush Chipper
-	Public Shade Tree Inventory & Health Assessment
-	#117 – 1 Ton 4WD Pick-up Truck
-	#108 – Small Front End Loader
-	#110 – 1 Ton 4WD Pick-up Truck
Enterprise F	undsTAB 9
-	Sewer
	 #2 – Administrative Hybrid Vehicle
	 #21 – 1 Ton 4WD Pick-up Truck
	 #24 – Front End Loader
	 Sewer and Drain Rehabilitation
-	Water
	 #81 Administrative Hybrid Vehicle
	 Electronic Sign Board
	 Tag Along Compressor
	 Trailer Mounted Vacmachine-Valve Turner
Pavement N	lanagement
-	Roadway
-	Sidewalk/Curbing
Multi Year S	ummaryTAB 11
FY 23-27 De	tail Requests



TOWN OF BELMONT

OFFICE OF THE TOWN ADMINISTRATOR 455 CONCORD AVENUE BELMONT, MASSACHUSETTS 02478

townadministrator@belmont-ma.gov

TOWN ADMINISTRATOR PATRICE GARVIN

455 CONCORD AVENUE BELMONT, MA 02478 PHONE (617) 993-2610 FAX (617) 993-2611

TO: Select Board Capital Budget Committee Warrant Committee

FROM: Glenn Clancy, Acting Assistant Town Administrator

CC: Patrice Garvin, Town Administrator

RE: Town Administrator's Capital Memorandum

Attached is a listing of capital requests, which will be reviewed by the Capital Budget Committee for a final recommendation and vote. This is a five-year plan which contains the requests for FY2023 as well as initial requests for fiscal years 2024-2027.

The annual capital needs of the Town are larger than the ability to fund. FY2023 requests from Department Heads total \$5,422,253 of which \$3,645,321 is available to fund these projects. The discretionary capital portion of the total before identifying any money to be turned back from open projects is \$1,549,953. The Town has been struggling to adequately fund its capital needs due to limited revenue growth. Absent new sources of funds, our capital needs will continue to be inadequately addressed.

Department	Location	Project Title	Fiscal Year	Category	Туре	Estimate Basis	5 F	Y2023	Useful Life	Description	Urgency
Facilities	OTHER	2022 Hybrid Explorer	FY23	Vehicle	New	Quote	\$	55,666	5	New Fleet Vehicle for Facilities	2 - System is likely to fail
Facilities	BUTLER ELEMENTAR Y SCHOOL	Fix Masonry Facade	FY23	Public improvement	Reconstruction	Consultant	\$	487,000	25	Repair weaknesses in the schools brick façade by repointing and grouting vulnerable areas.	3 - System has needed unanticipated
Facilities	BUTLER ELEMENTAR Y SCHOOL	BUTLER PHASE VI WINDOW REPLACEMENT	FY22 FY23	Public improvement	Replacement	Other	\$	235,000	25	Continuation of window replacement project and envelope repointing and sealing. There are 72 remaining windows to be replaced - including those in this request.	6
Facilities	BUTLER ELEMENTAR Y SCHOOL	Supplemental funding for new Fire Alarm	FY23	Equipment	Replacement	Consultant	\$	66,000-	-15	Start and complete the the upgrade of a new Fire Alarm system	4 - Has- outlived its- useful life
Facilities	OTHER	New Electric Van	FY23	Vehicle	New	Quote	\$	54,756	5	Added to fleet to support new positions within the Facilities Department.	6
Facilities	OTHER	Electric Van	FY23	Vehicle	New	Quote	\$	54,704	5	New Electric Van	5 - New: to- address quality of life
Facilities	WELLINGTON ELEMENTAR Y SCHOOL	N Replace Heat Exchanger	FY23	Equipment	Replacement	In-house estimat	e\$	150,000	12	The Heat Exchanger that supports the heating side of the geo thermal system at the Wellington school needs to be replaced to take advantage of the state of the art heating and cooling system. We have made improvements to make the system work during shoulder cooling seasons but it is not able to cool or heat in height of seasons. BMS Programming is also apart of the repair project.	1 - System has failed
Facilities	WINN BROOM ELEMENTAR Y SCHOOL	Supplemental Funding for a new Fire Alarm and PA	FY23	Equipment	Replacement	Consultant	\$	75,000	15	Update the Fire Alarm and PA system at the Winn Brook School. This received approved funding in FY19 FY20, and FY21. This amount will cover the estimated value for the project.	4 - Has outlived its useful life
Facilitie	s Summary						\$	1,057,422			
Fire		Air Packs	FY23	Equipment	Replacement	Quote	\$	376,584	10	Requesting funds to replace outdated air packs with equipment that meets the current standard. The current air packs are 10 years old and are beginning to experience frequent breakdowns (cost for repairs in past 12 months \$2500). More than the cost for repairs, the downtime for the equipment has become a problem. Current air packs are also 2 editions behind for NFPA safety standards. We are unable to employ current safety standards for air management with this equipment.	2 - System is likely to fail
Fire		Ambulance Replacement	FY23 FY24 FY25 FY 26 FY27 FY28	Vehicle	Replacement	Quote	\$	80,000	10	This appropriation from EMS Revenue will be \$80,000 per year for 5 years resulting in the purchase of a new vehicle using \$400,000. In purchasing a vehicle in 2021 to replace a 10-year-old ambulance the department has encountered conditions where prices have risen sharply. This appropriation will help ensure adequate funds are available to continue to replace the ambulance in five years. The department will also maintain diligence in monitoring cost trends throughout the five-year span.	4 - Has outlived its useful life
Fire		Cardiac monitor replacement	FY23 FY24 FY25 FY 26 FY27 FY28	Equipment	Replacement	In-house estimat	e\$	7,000	10	Annual request of \$7,000 to replace cardiac monitor after five years. Funds from ambulance revenues. A new monitor is scheduled for purchase in FY 23. The cost will be approximately \$37,000 with a trade-in. A modification of the annual allotment allowing \$10,000 per year for five years is being requested in order to ensure the ability purchase a new monitor in 2028. The technology and capability of this equipment is constantly being updated. In order to allow paramedics to perform the latest advanced interventions our	2 - System is likely to fail
Fire		Power Load Ambulance Cot System	FY23	Equipment	New	Quote	\$	42,000	10	This system will be installed in the new ambulance currently on order. It allows patients to be loaded safely into the ambulance. The system greatly lessens the chance for firefighter injury from lifting patients and cot into the ambulance. It also prevents patients from being dropped while lifting into the ambulance and provides a safe connection of the cot to the vehicle lessening the chance for patient injury in the event of a crash.	6
Fire		Replace Staff Car	FY23	Vehicle	Replacement	In-house estimat	e \$	75,000	10	Staff car assigned to the fire chief. This will replace a 10-year-old (2013) vehicle currently assigned to Fire Prevention. The current chief's vehicle (2017) will be assigned to Fire Prevention. The new purchase will be a Ford Interceptor/SUV hybrid model (similar to current police hybrid vehicles) It shall be upfitted with equipment necessary to operate Incident Command and support Emergency Management functions.	3 - System has needed unanticipated
Fire S	Summary						\$	580,584			
Information Technology		Fiber Reconfiguration Burbank/Wellington	FY23	Equipment	New	Quote	\$	20,000	25	Burbank and Wellington are to be spliced into the backbone network for assignment to the High School or Chenery, or both. The objective is to remove the above sites from the current fiber terminations at the Library. Please see attached proposal for complete description.	6
Information Technology		Increase Network Storage	FY23	Equipment	Replacement	Vendor	\$	60,000	5	The project is to add disk storage to our SAN. This is to accommodate the need for increased resources for Virtual Servers as well as the need for increase in file storage capacity.	2 - System is likely to fail
Information Technology		Redundant fiber line to antenna site	FY23	Equipment	New	Other	\$	150,000	10	This is a request that affects all Town agencies with radios. We currently have a single fiber run from 460 Concord Ave that carries all Town radio connections to the main antenna site at 760 Concord Ave. A short distance of this run is underground, but the majority of the run is pole to pole. If a pole is knocked down it could knock out all Town radio systems.	6
IT Si	ummary						\$	230,000			

Department	Location	Project Title	Fiscal Year	Category	Туре	Estimate Basis		FY2023	Useful Life	Description	Urgency
Library		RFID Tags and Equipment	FY23	Public improvement	New	Quote	\$	32,306	20	RFID technology has been utilized more and more in public libraries over the last 10 years, and it's time for Belmont to take this step in service. With RFID tags in each physical item, citizens will be able to check out items faster, with less errors, and in some cases without the support of a staff member. This will not reduce the need for staff, but hopefully help to avoid the need to increase the amount of Library Assistant positions. This work should be completed before the opening of a new library.	5 - New: to address quality of life
Library S	ummary						\$	32,306			
Police		Install Uni-Directional Radio Amplifier at 460	FY23	Equipment	New	Quote	\$	30,000	7	Install UDA in the lower area of 460 Concord Ave, to allow officers to receive radio transmissions	6
Police		Replace EMD Server	FY23	Equipment	Replacement	In-house estimate	e \$	12,000	5	This server controls and stores the Emergency Medical Dispatch software and the quality assurance software. This server was last replaced in FY17	4 - Has outlived its useful life
Police St	ummary						\$	42,000			
Public Works		#55 Brush Chipper	FY23	Equipment	Replacement	Quote	\$	<u> </u>	20	Replace #55 Brush Chipper	4 - Has- outlived its- useful life
Public Works		Public Shade Tree Inventory & Health Assessment	FY23	Public improvement	New	In-house estimate	e \$	55,000	5	Public shade tree inventory and health assessment.	Top Dept Priority
Public Works - Cemetery		#117 - 1 Ton 4WD Pick-up Truck	FY23	Equipment	Replacement	Quote	\$	58,310	8	Replace #117 - 1 Ton 4WD Pick-up Truck	3 - System has needed unanticipated
Public Works - Parks		#108 - Small Front End Loader	FY23	Equipment	Replacement	Quote	\$	112,450	15	Replace #108 - Small Front End Loader	2 - System is likely to fail
Public Works - Parks		#110 - 1 Ton 4WD Pick-up Truck	FY23	Equipment	Replacement	Quote	\$	58,310	8	Replace #110 - 1 Ton 4WD Pick-up Truck	3 - System has needed unanticipated
DPW Su	mmary						\$	284,070			·
Public Works - Sewer		#2 - Administrative Hybrid Vehicle	FY23	Equipment	Replacement	Quote	\$	56,765	8	Replace #2 - Administrative Vehicle	3 - System has needed unanticipated
Public Works - Sewer		#21 - 1 Ton 4WD Pick-up Truck	FY23	Equipment	Replacement	Quote	\$	58,310	8	Replace #21 - 1 Ton Pick-up Truck	3 - System has needed unanticipated
Public Works - Sewer		#24 - Front End Loader	FY23	Equipment	Replacement	Quote	\$	220,625	15	Replace #24 - Front End Loader	3 - System has needed unanticipated
Public Works - Sewer		Replace Winn Brook culvert on Claflin street	FY23	Public improvement	Replacement	In-house estimate	e\$	250,000	75	Remove the existing brick and stone masonry and to replace with a structure similar to the one that was installed by the library	2 - System is likely to fail
Public Works - Sewer		Replace Trapelo Road Culvert	FY23	Public improvement	Replacement	Quote	\$	800,000	75	Replace Trapelo Road Culvert - Joint Project with Waltham	2 - System is likely to fail
Community Development		F Sewer and Drain Rehabilitation	FY23 FY24 FY25 F 26 FY27 FY28	Y Public improvement	Reconstructior	n In-house estimate	e\$	600,000	75	Investigate, evaluate and mitigate sewer and storm drain failures. Repair / replace mains and services, test water quality of the storm water system and correct deficiencies as required. Fund the Annual MS4 DEP storm water permitting program.	2 - System is likely to fail
Sewer St	ummary						\$	1,985,700			
Public Works - Water		#81 Administrative Hybrid Vehicle	FY23	Equipment	Replacement	Quote	\$	31,575	8	Replace #81 - Administrative Vehicle	3 - System has needed unanticipated
Public Works - Water		Electronic Sign Board	FY23	Equipment	New	Quote	\$	20,850	10	Electronic sign board	5 - New: to address quality of life
Public Works - Water		Tag Along Compressor	FY23	Equipment	New	Quote	\$	30,000	10	Tag along compressor	6
Public Works - Water		Trailer Mounted Vacmachine/Valve Turner	FY23	Equipment	New	Quote	\$	86,850	10	Trailer mounted valve turner	6
Water Su	ummary						\$	169,275			

Department	Location	Project Title	Fiscal Year	Category	Туре	Estimate Basis	FY2023	Useful Life	Description	Urgency
Community Development		Pavement Management	FY23 FY24 FY25 FY 26 FY27 FY28	Public improvement	Reconstruction	n In-house estimate 💲	1,857,772	25	Reconstruction of Town roadways utilizing two override sources of funding (2001 and 2015) and Ch 90 state aid (not reflected in the CBC request)	1 - System has failed
Public Works		Sidewalk Maintenance	FY23 FY24 FY25 FY 26 FY27 FY28	Public improvement	Reconstruction	n Other \$	237,730	25	Repair or Replace Cement Concrete Sidewalks and Granite Curbing as needed throughout the town.	1 - System has failed
Pavement	Summary					S	2,095,502	:		
					Total D	Discretionary	2,226,382.00	1		
					Tota	al Sewer s	1,985,700.00	I		
					Tota	al Water S	169,275.00	I		
					Total	Pavement S	2,095,502.00			
					Gra	and Total	6,476,859.00			

A CONTRACT OF THE STATE	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-15						
Department: Facilities	Title: 2022 Hybrid Explorer						
Description: New Flee	t Vehicle for Facilities						
Location (if available)	: OTHER						
FY 23: \$55666	FY 24: \$	FY 25: \$	FY 26: \$				
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$55666					
Project Category: Vehi	icle	Project Type: New					
Basis For Estimate: Qu	uote	Life Expectancy: 5					
Operational Cost Impa	et: Neutral	-					
Note:							
Urgency: 2 - System is	s likely to fail						
Note: Current Facility Director's vehicle has 95K miles on it and if approved the vehicle will have over 120K when the vehicle becomes available. If not approved and put off for another year the vehicle will be over 150K. This is a take home vehicle and must be reliable for emergency responses. The vehicle is spec'd as a Hybrid to respect the energy conservation guidelines. A 100% electric vehicle is not a reliable source for emergencies and storms situations.							
Previous Phases: No							
Can This Be Phased: No							
Grants:							

2022 Explorer 4dr 4x4 Limited (K8F) Price Level: 220



Client Proposal

Prepared by: Stan Tagarelis Office: 617-924-3673 Date: 11/03/2021



Watertown Ford, Inc. | 625 Pleasant Street, Watertown, Massachusetts, 024722406 Office: 617-924-3673 | Fax: 781-926-3255



Prepared by: Stan Tagarelis

11/03/2021

2022 Explorer 4dr 4x4 Limited (K8F)

Price Level: 220

Major Equipment

Fuel Economy

City 23 mpg



Hwy

26 mpg

As Configured Vehicle	MSRP
110V/150W AC Power Outlet	Included
Memory Driver's Seat	Included
Hands-Free Foot-Activated Liftgate	Included
Sideview Mirrors w/Gloss Black Caps	Included
3rd Row PowerFold Seat	Included
Power Tilt/Telescoping Steering Column	Included
Active Noise Cancellation	Included
High-Series Brakes	Included
T165/70R18 Mini Spare Tire	Included
Pedestrian Alert Sounder	Included
Front License Plate Bracket	N/C
Iconic Silver Metallic	N/C
Ebony	N/C
SUBTOTAL	\$52,280.00
Destination Charge	\$1,245.00
TOTAL	\$53,525.00

Watertown Ford, Inc. | 625 Pleasant Street Watertown Massachusetts | 024722406

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

VEHICLE	YEAR	Make & Model	VIN	PLATE	MILEAGE	Designee	Notes
FAC-1	2014	CHEVY Silverado 3500HD	1GC3KZCGXEF171461	M87257	26992	School - Maint	Hand down from DPW
FAC-2	2003	CHEVY Silverado P/U	1GCHK24U63E167573	M71175	60289	N/A	Taken of the road 7/21
FAC-3	2018	CHEVY CITY EXPRESS VAN	3N63M0YN1JK696358	M99384	21700	School - Maint	
FAC-4	2010	CHEVY Silverado P/U	1GC3KVBG0AF154821	M82989	59638	Town - Maint.	Hand down from DPW
FAC-5	2017	CHEVY VAN	1GCZGHFG2J1169213	M99234	20842	HVAC	
FAC-6	2002	FORD F-450	1FDXF47F62ED10699	M2071	71034	Carp./ Elec	Hand down from DPW
FAC-7	2017	NISSAN LEAF (Electric)	1N4BZ0CP1HC302369	M3972A	37757	Admin.	Does not hold charge no long distances
FAC-8	2018	FORD Explorer	1FM5K8D82KGA16415	M2057	94890	Director	Loaner from DPW

A CONTRACT OF THE STATE	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-24							
Department: Facilities	Title: Fix Masonry Facade							
Description: Repair weaknesses in the schools brick façade by repointing and grouting vulnerable areas.								
Location (if available)	: BUTLER ELEMENTA	ARY SCHOOL						
FY 23: \$475000	FY 24: \$	FY 25: \$	FY 26: \$					
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$475	475000					
Project Category: Publ	lic improvement	Project Type: Reconstru	iction					
Basis For Estimate: Co	onsultant	Life Expectancy: 25						
Operational Cost Impa	act: Decrease to expense	S						
Note: Reduces potentia	al spalling of interior wa	Il surfaces and moisture	infiltration into the building.					
Urgency: 3 - System h	as needed unanticipated	repairs						
Note:								
Previous Phases: No								
Can This Be Phased: No								
Grants:								



BUILDING ENVELOPE CONSULTANTS & TESTING LABORATORY

November 10, 2021

Mr. David Blazon Director of Facilities Belmont Public Works 37 C Street Belmont, MA 02478

Re: Building Envelope Survey Daniel Butler Elementary School Belmont, MA

Dear Mr. Blazon:

On August 16, 17, and 18, 2021, an enclosure condition assessment was performed on the Daniel Butler Elementary School at 90 White Street in Belmont by representatives of R. J. Kenney Associates, Inc. (RJK). The Town of Belmont, through the office of Belmont Public Works, requested that RJK perform a building envelope study to determine and report on the existing condition of the entire building envelope, including the foundation, brick masonry, windows, and roofs. The goal of the study was to identify the cause(s) of various active water leaks, provide Scope of Work recommendations for maintenance and rehabilitation of the building envelope, develop a plan to address the various building envelope components, including recommendations on the capital project organization, prioritization, and cost estimates associated with each capital project. This assessment and our findings as documented herein represent the extent of our investigation for the project to date.

1. BUILDING DESCRIPTION

The original Daniel Butler Elementary School Building was completed in 1900. Additions were made in 1923, the 1930's, and 1979, which cumulatively brought the footprint of the entire school to roughly 57,300 square feet across three levels. New windows have been installed in various locations on all of the buildings within the last twenty years, although some older windows remain. (Figure 1)

1.1 The Original 1900 Building

The masonry of the original 1900 Building (Building B as indicated on the 1979 addition drawings) is laid in a running bond, with quoins at elevation corners and a dentil band at the cornice. There is an ogee-shaped water table at the floor line between the grade level and the first floor level and is typical to all the building additions. The building has punched masonry openings with aluminum replacement windows, limestone sills and triple course jack arches, with keystones above the windows. The windows at grade level do not have keystones within the jack arches. The foundation is of granite stone construction. The former entrance on the north elevation is now a window. There is a brownstone balcony construction over the former entrance with wrought iron railings and wood moldings framing the now window openings. The soffit construction is wood plank with wood brackets extending to a fascia board and hung copper gutters, which are also tied-in to the roof. The roof is a high slope configuration clad with gray slate laid in a standard pattern and is original to the building. The slate is installed

Mr. David Blazon Re: Building Envelope Survey Daniel Butler Elementary School November 10, 2021 Page 2 of 11

over asphalt saturated rag felt laid on wood sheathing. Hip slates are installed so that butt joints do not join with the roof courses, typical of a saddle hip. The roof is flashed with copper at the dormers and lead-coated copper at the ridge, while lead was used at interfaces with the elevator tower. Wire loop snow guards are present on all elevations. (Figures 2 - 4)

1.2 The 1923 Addition

The first addition (Building A as indicated on the 1979 addition drawings), completed in 1923, was constructed off the south elevation of the original school. The brick used was laid in a common bond with Flemish headers at every eighth course, like that of the original building. This style of brick coursing is consistent in the construction of the 1930's addition (Building C) and the 1979 gym addition. The building has punched masonry openings with aluminum replacement windows, precast concrete sills, and triple course jack arches with keystones like the original building. The foundation is a poured-in-place concrete construction. The detail work of the arched west elevation entry portal, the cornice band molding, and the south portico entry are all done in precast concrete. The roof is a low slope configuration with an aluminum coping installed over the parapet. The roof construction type is the same for each subsequent addition. The elevator penthouse roof, part of the 1979 addition, located at the connection between the two buildings, is clad in lead-coated copper double-lock standing seams that drains back onto the low slop roof. (Figures 5 - 7)

1.3 The 1930 Addition

The 1930 addition (Building C as indicated on the 1979 Addition Drawings) was constructed off the east elevation of the original school and is clad in brick masonry resting on a poured-inplace concrete foundation. The building has punched masonry openings with aluminum replacement windows, limestone sills, and a single course jack arch header on a steel lintel with skewbacks but no keystones. There is a limestone band molding near the top of the building at the roof line and the parapet has an aluminum coping. A soldier course of masonry is laid below the ogee-shaped water table. The former entrance on the north elevation, now a window, is clad in limestone and flashed with copper at the top of the pediment. (Figures 11 - 15)

1.4 The 1979 Gymnasium Addition

A gymnasium was constructed to the south of Building C in 1979. The wall construction is CMU interior with a brick veneer to match the aesthetic of the older buildings on the exterior. There are vertical control joints approximately every 15' that are the full height of the brick veneer and appear to be filled with polyurethane sealant that has failed. A soldier course of brick is laid at the top of the wall, above which are installed light-diffusing, insulated, structural sandwich panels. The panels are similar in construction to that of a Kalwall system. The panels have faded and are degrading due to UV and atmospheric exposure. There are numerous broken or cracked panels in the system and the sealants of the system are failing. The wall construction supports an open web truss system and what appears to be tectum decking for the roof. The single membrane roofing system is as described for Building A. (Figures 8 - 10)

Mr. David Blazon Re: Building Envelope Survey Daniel Butler Elementary School November 10, 2021 Page 3 of 11

1.5 <u>The Connector</u>

The "connector", the covered corridor portion of the 1979 addition, encloses the space between the gymnasium and Buildings A, B, and C. Part of the connector is comprised of an aluminumframed sloped glazing skylight adjacent to the elevator tower. The single ply TPO membrane roofing system installed on the connector is turned up onto a curb at the base of the skylight, over which a lead-coated copper flashing is installed. The base of the sloped glazing is flashed over the lead flashing. The head and rake conditions of the skylight are flashed into the adjacent walls of Building A and the elevator tower with lead-coated copper. The elevator tower intersects the soffit of Building B, interrupting the gutter line where a downspout now runs down the elevator tower wall. The standing seam roof of the Building A penthouse extends over the elevator tower, where it is flashed to the parapet with lead-coated copper. No coping cap is installed over the parapet. Similarly, the connector entrance parapets at the south and east elevations have no coping. (Figure 16)

2. BACKGROUND

Jay Marcotte with the Public Works Department contacted RJK in March of 2021. He requested that a Building Envelope study be conducted on the school building.

An initial site meeting took place on April 6, 2021, where the general condition of the building was discussed and site logistics were reviewed.

RJK performed a review of documents provided by the client, which consisted of plan and elevation drawings for each building, and which were incorporated into the roof plan and elevation drawings developed for the on-site survey.

The assessment was based on a visual survey of the building from the ground using binoculars and from an aerial lift. Exploratory probes of building envelope components were not included in the assessment. Locations of exterior wall distress and other components were documented on the elevation drawings, which are attached to this report as Appendix B. These annotated elevations of the building identify types and locations of distress noted on the exterior walls.

3. OBSERVATIONS

Our observations are annotated in Appendix B. From our visual survey of the buildings, we were able to identify items or systems that require repair or replacement. Included below is a general description of the condition of each of the major building enclosure components organized by building.

3.1 <u>1900 Building (Building B)</u>

3.1.1 Roof Systems

• The steep slope slate roof system appears to be original and in poor condition. The slate is 120 years old and has reached the end of its service life. A majority of the slate has either cracked, chipped, split, broken, or come loose. The copper flashings and sealants at many locations have failed or are missing, and there are numerous

Mr. David Blazon Re: Building Envelope Survey Daniel Butler Elementary School November 10, 2021 Page 4 of 11

indications of repair to the system. The wire loop snow guards are corroding; some are bent flat and some are broken or missing. (Figures 17 - 20)

- The slate used on the cheek walls and gable ends of the dormers appears to be original and in fair to poor condition. This slate is reaching the end of its service life. (Figures 21 23)
- The copper gutters appear to be original and in poor condition. They are reaching the end of their service life. Seams have opened along the gutter box and at connections to downspouts; the gutters have been deformed due to ice damage; some of the gutter ties and their fasteners have failed and flashings and sealants have failed or are missing. Some soldered seams in the gutters have been repaired with roofing mastic. The repair mastic has deteriorated. Sealant between the copper counterflashing and brick has also deteriorated and there appears to have been numerous repairs to the system. (Figures 24 27)
- The copper flashings on the north elevation of the elevator tower at the roof line between the 1900 Building (Building B) and the1920 Addition (Building A) have been covered over in roofing cement. This area drains along the elevator shaft wall to the gutter system where the elevator shaft interrupts the soffit of the original 1900 Building. A downspout from the collection box at this location was found to be hanging from the collection box and not attached to the masonry wall. (Figures 28 30)
- The metal cladding seams and drip edge over the brownstone ornamental work on the north elevation needs repair. The soldered seams have opened and the drip edge has bent back. (Figures 31, 32)

3.1.2 Soffits and Wood Trim Work

- The wood soffit boards of the main roof appear to be original and in fair to poor condition. They are reaching the end of their service life. Many boards have cupped and are deteriorating where the board ends intersect or are touching masonry.
- The soffit overhangs appear to have moved/shifted and there is a gap between the top of the masonry wall and the soffit on each elevation of the building. Bird droppings are visible at some locations on the masonry wall just below the soffit. Birds have been reported in the attic space of the 1900 Building and animal carcass was observed in the eaves of the attic. The soffit fascia boards and moldings pieces are deteriorating, opening up at the outside corners, or have warped. (Figures 33, 34)
- Some of the soffit brackets are detached. (Figure 34)
- The general condition of the dormer trim work is in poor condition. The boards have opened at the corners and seams, warped, split, deteriorated, or have been covered over with brake metal. There have been numerous repairs to the dormers. (Figures 35 37)

3.1.3 Masonry

- The brownstone ornamental work on the north elevation is in fair to good condition. The brownstone has efflorescence and staining from airborne soot and water runoff. (Figures 31, 32)
- Brick mortar joint deterioration was noted at many isolated locations throughout the brick façade. Some repointing work was observed. (Figures 38 40)
- Mortar joints below and behind downspouts are missing and/or are severely deteriorated. (Figures 41, 42)
- Through-masonry cracking was observed, typically originating at window head and sill conditions, and combined with step cracking of the mortar joints. (Figure 43, 44)
- Mortar joints of the triple course jack arches with keystones above the windows are missing and/or deteriorated and the brick masonry is shifting down in several locations. (Figures 45, 46)
- Brick masonry and mortar joints are damaged due to anchors having been installed and then removed. (Figures 47, 48)
- Mortar joints of the limestone sills and granite sills are typically deteriorated and/or missing. (Figures 49 51)
- The mortar joints between the first course of brick and the stone accent band or concrete at grade are deteriorated and contain open voids on the east elevation between the 1900 Building and the 1930 Addition, Building C. (Figures 52, 53)
- Freeze thaw damage has opened gaps between the poured concrete retaining wall and masonry at the entrance to the connector on the north elevation. Freeze thaw has also deteriorated the walkway around the railing posts, at the base of the retaining wall, and around the drain cover. (Figures 54 56)
- The head mortar joints of the ogee-shaped water table masonry accent band at the second floor are typically deteriorated, contain open voids and have algae or dirt on them throughout. (Figure 57)
- Algae growth on the masonry is occurring at the northeast corner from grade to the level of ornamental brick water table at the second floor level. (Figures 58)

3.1.4 Sealant Joints

- Sealant joints are deteriorated on the north, south, east, and west elevations where the gutter flashing interfaces with the masonry. Sealant in these locations is embrittled and contain large voids.
- Sealant at the perimeter of windows are generally in good condition. Some windows were obscured from visual survey, due to protective screens installed over the windows in the openings.
- The sealant at through-wall vent perimeters are failing. Sealant joints are deteriorating, embrittled, and contain large voids. (Figures 59)

Mr. David Blazon Re: Building Envelope Survey Daniel Butler Elementary School November 10, 2021 Page 6 of 11

3.1.5 Windows

• The aluminum windows appear to be generally in good condition. Some windows were obscured from visual survey due to protective screens installed over the windows in the openings.

3.1.6 General Cleaning

- The brownstone balcony construction over the former entrance on the north elevation is significantly stained. (Figures 31, 32)
- Areas of the masonry are stained and contain organic growth. (Figures 51, 52, 57, 58)

3.2 <u>1920 Addition (Building A)</u>

- 3.2.1 Roofing Systems
 - The roof is a Sarnafil single ply membrane TPO roofing system installed over tapered insulation. The membrane is approaching the end of its service life. The membrane is beginning to degrade. It is estimated that the membrane could last another 4 6 years with normal conditions before needing to be fully replaced. (Figures 60 64)
 - TPO laps installed at the south elevation portico entry coping are failed. (Figure 65)

3.2.2 Masonry

- Cracked or damaged precast architectural elements are present on all elevations, primarily at the windowsill condition but also at the west elevation entry portal. (Figures 66 70)
- Brick mortar joint deterioration was noted at many isolated locations throughout the brick façade. Some repointing work was observed. (Figures 71, 72)
- Through-masonry cracking was observed in many locations, typically originating at window head and sill conditions and combined with step cracking of the mortar joints. (Figure 73)
- Mortar joints of the precast sills are typically deteriorated throughout. (Figure 74)
- Mortar joints below and behind downspouts are missing and/or severely deteriorated. (Figure 75)
- The head mortar joints of the ogee-shaped water table masonry accent band at the second floor are typically deteriorated, contain open voids, and have algae or dirt on them throughout. (Figure 76)
- There are several locations along the south elevation parapet where the brick masonry has spalled below the metal coping. (Figures 77, 78)
- There are numerous locations of efflorescence on the underside of precast band molding/cornice that has bubbled the finish paint. These areas typically coincide with precast butt joint locations. (Figures 79, 80)

Mr. David Blazon Re: Building Envelope Survey Daniel Butler Elementary School November 10, 2021 Page 7 of 11

3.2.3 Sealant Joints

• Sealant at the perimeter of windows is generally in good condition. Some windows are obscured from visual survey due to protective screens installed over the windows in the openings. The sealant at through-wall vent perimeters are failing. Sealant joints are deteriorating, embrittled, and contain large voids. (Figures 81, 82)

3.2.4 Windows

• The aluminum windows appear to be generally in good condition. Some windows are obscured from visual survey, due to protective screens installed over the windows in the openings. (Figure 82)

3.2.5 General Cleaning

- The south portico entry cornice molding is significantly stained. (Figure 83)
- The precast sills on the east elevation contain organic growth. (Figure 84)
- Efflorescence at band molding/cornice. (Figures 79, 80)

3.3 <u>1930 Addition (Building C)</u>

- 3.3.1 Roofing Systems
 - The roof is a Sarnafil single ply membrane TPO roofing system installed over tapered insulation. The membrane is approaching the end of its service life. The membrane is beginning to degrade. It is estimated that the membrane could last another 4 6 years with normal conditions before needing to be fully replaced. (Figures 85 94)

3.3.2 Masonry

- Cracked or damaged limestone architectural elements are present on all elevations, primarily at the windowsill condition. (Figure 95)
- Brick mortar joint deterioration was noted at many isolated locations throughout the brick façade. Some repointing work was observed. (Figures 95 97)
- Through-masonry cracking was observed in many locations, typically originating at window head and sill conditions and combined with step cracking of the mortar joints. (Figures 95 97)
- Brick masonry and mortar joints are damaged due to anchors having been installed and then removed. (Figure 98)
- Algae growth on the masonry is occurring on the north and east elevations from grade to the level of ornamental brick water table at the second floor level, particularly where there is a tree near the building. (Figure 98)
- The limestone ornamental work around the abandoned entry on the north elevation is in fair to good condition. (Figure 99)
- The head mortar joints of the ogee-shaped water table masonry accent band at the second floor are typically deteriorated, contain open voids, and have algae or dirt on them throughout. (Figure 100)
- Mortar joints of the limestone sills are missing and/or deteriorated.

Mr. David Blazon Re: Building Envelope Survey Daniel Butler Elementary School November 10, 2021 Page 8 of 11

3.3.3 Sealant Joints

- Sealant at the perimeter of windows is generally in good condition. Some windows were obscured from visual survey due to protective screens installed over the windows in the openings. (Figure101)
- The sealant at through-wall vent perimeters are failing. Sealant joints are deteriorating, embrittled, and contain large voids. (Figure 101, 102)

3.3.4 Windows

- The aluminum windows appear to be generally in good condition. Some windows were obscured from visual survey due to protective screens installed over the windows in the openings. (Figure 101)
- 3.3.5 General Cleaning
 - The limestone band molding all around the building is stained. (Figures 89, 97 and 101)
 - Areas of the masonry are stained and contain organic growth. (Figure 98)
 - The ornamental limestone of the former entrance on the north elevation is stained. (Figure 99)

3.4 <u>1979 Gym Addition</u>

- 3.4.1 Roofing Systems
 - The roof is a Sarnafil single ply membrane TPO roofing system installed over tapered insulation. The membrane is approaching the end of its service life. The membrane is beginning to degrade. It is estimated that the membrane could last another 4 6 years with normal conditions before needing to be fully replaced. (Figures 103 104)

3.4.2 Masonry

- Brick mortar joint deterioration was noted at many isolated locations throughout the brick façade. Some repointing work was observed. (Figure 105)
- The head mortar joints of the ogee-shaped water table masonry accent band at the second floor are typically deteriorated, contain open voids, and have algae or dirt on them throughout. (Figure 107)

3.4.3 Sealant Joints

- Brick vertical control joints are failing. Sealants are deteriorating, embrittled and contain large voids. (Figures 105, 106)
- Sealant at the perimeter of translucent windows is generally in poor condition. (Figures 107, 108)

Mr. David Blazon Re: Building Envelope Survey Daniel Butler Elementary School November 10, 2021 Page 9 of 11

3.4.4 Translucent Wall System

• The translucent wall system at the gym clerestory is generally in poor condition. (Figures 108 - 111)

3.5 Connector

- 3.5.1 Roofing Systems
 - The roof is a Sarnafil single ply membrane TPO roofing system installed over tapered insulation. The membrane is approaching the end of its service life. The membrane is beginning to degrade. It is estimated that the membrane could last another 4 6 years with normal conditions before needing to be fully replaced. (Figures 112 117)

3.5.2 Masonry

- The head mortar joints of the ogee-shaped water table masonry accent band at the second floor are typically deteriorated, contain open voids, and have algae or dirt on them throughout. (Figures 118 125)
- Through-wall flashings are generally deteriorated and contain open seams. (Figures 118 125)

3.5.3 Sealant Joints

- Sealant at the perimeter of the connector roof to wall is generally in poor condition. Sealants are deteriorating, embrittled, and contain large voids. (Figures 118 125)
- 3.5.4 Skylight
 - The flashing and rake of the sloped glazing have typically failed. Joints are open and sealant has failed. (Figures 126 131)

4. WATER TESTING

Water testing was conducted during our assessment. Testing was performed in general accordance with ASTM E 2128-17 "Standard Guide for Evaluating Water Leakage of Building Walls". Diagnostic water testing was conducted on the walls, roof, and sloped glazing at a total of five areas, in an effort to replicate previously reported water leakage. The test locations are shown on the drawing contained in Appendix B. The results of the individual tests are tabulated in Appendix C. Results of the tests, which recreated water infiltration, are discussed in detail below.

- 4.1 Test Area 1 Test 1.1 Flood Test of Connector Roof Drain and Sump, Column Line 3 (Figures 132 133)
 - The roof drain was blocked with an inflatable bladder and water was applied to the area until the drain bowl, sump, and TPO in the immediate vicinity of the drain were submerged.
 - Water leakage occurred 58 minutes into the test. Water was observed dripping from a hole in the ceiling of the storage room adjacent to the gym. The water leak occurred exactly where the ceiling finish showed previous damage.

Mr. David Blazon Re: Building Envelope Survey Daniel Butler Elementary School November 10, 2021 Page 10 of 11

- 4.2 Test Area 5 Test 5.1 Elevator Tower Wall Over Sloped Glazing Rake Flashing (Figure 134)
 - Water was applied with a spray rack to the elevator tower masonry wall just above the masonry through-wall flashing along the sloped glazing rake.
 - Water leakage occurred 20 minutes into the test. Infiltration was observed over the doorway in the ground floor elevator mechanical room. Water leakage had been reported in this location by school staff.

5. DISCUSSION AND RECOMMENDATIONS

Based on the results of our assessment, it is apparent that the brick masonry façades on each of the buildings is in good to fair condition but are in need of significant general maintenance, including flashing work, repointing, limestone and precast patching, and some limited sealant replacement. Once this work is completed, each façade should be pressure washed using a masonry cleaning product.

The low-slope TPO membrane roofing on Building A, Building C, the gymnasium, and on the connector roof is approaching the end of its expected service life. The membrane is beginning to degrade, contract, and thin as the plasticizers are leached out by the sun. It is estimated that the membrane roofing on the school has 5 years of service life before replacement of the roofing is recommended.

The translucent panels along the upper gymnasium walls are in fair to poor condition. The fiberglass sandwich panels are severely degraded due to UV exposure, particularly on the south and east elevations. There are holes in the panels, some of which have been temporarily sealed with tape. The system has reached the end of its expected service life and a full replacement of the translucent panels is recommended.

The slate roof on the original Building B is in poor condition. The roof is 120 years old. The roof exhibits significant signs of deterioration, including cracked slate, missing slate, nail holes, and deteriorated copper flashing and gutters. A full slate roof and copper gutter replacement is recommended. Repair work and painting of the wood soffit and trim at the Building B roof is also recommended.

Immediate localized repairs are recommended for two conditions on the connector roof. The membrane at the roof drain that is leaking into the gym storage room should be replaced. The replaced membrane should extend 5 feet out in all directions from the drain. The second immediate project concerns the metal base flashing at the perimeter of the connector roof. The reglet type flashing is installed into a kerf cut in the adjacent brick walls. The metal flashing has moved in many areas allowing water to bypass the flashing and potentially migrate under the connector roof membrane. Remedial sealant has been applied to the flashing termination but it has failed in many locations. RJK recommends that additional sealant be applied to this interface as a short-term measure. The flashing should be fully replaced when the roof membrane at the connector is replaced.

6. CAPITAL PROJECT ORGANIZATION AND ESTIMATES

Based on the results of our survey and our experience with similar projects, RJK recommends that the following capital projects and emergency repairs be submitted for potential funding. The cost

Mr. David Blazon Re: Building Envelope Survey Daniel Butler Elementary School November 10, 2021 Page 11 of 11

estimates provided include general condition, overhead/profit, access and engineering/architecture services.

Project Title	Description	Budget Estimate	Priortity Level ¹
Slate Roof and Gutter Replacement on 1920 Portion of School (Building B)	Replacement of 120 year old original slate roof, copper flashing, caps, and gutters, and associated wood soffit and trim repair and painting	\$1,600,000	2
Brick Masonry Façade Repair and Maintainence	Flashing work, repointing, limestone and precast patching, and limited sealant replacement	\$475,000	2
Translucent Wall Panel Replacement at Top of Gymnasium Wall	Replacement of 40+ year old translucent wall panels (Kalwall); panels are deteriorated and damaged	\$415,000	3
Emergency Repairs to Roof Drain and Roof Base of Wall Flashing at Connector Roof	Roof drain above gym storage room is leaking; roof to wall base metal flashing is detached and open at the top edge and could allow water to migrate below roof	\$12,000	1

1. Refer to Appendix D for description of the Priority Level

If you should have any questions or require additional information, please do not hesitate to contact our office.

Respectfully submitted,

R. J. KENNEY ASSOCIATES, INC.

Mike Bingley, AIA NCARB Consultant II

MEB/MJB/RMK/ek

Michael J. Brady, EIT Field Consultant II

Attachments: Appendix A - Detailed Photographs Appendix B - Marked-Up Elevations Appendix C - Test Log Appendix D - Priority Level Table

G:\RJK\WORD\31099 Q710 Daniel Butler Elem School Building Envelope Survey Rpt.docx



Appendix A - Detailed Photographs



Building Footprint

Figure 2

Callouts:

- 1. Abandoned entry.
- 2. Brownstone decorative balcony.

Comments:



1900 Building B - North Elevation



Appendix A - Detailed Photographs



Title:

1900 Building B - East Elevation



Title:

1920 Building A - West Elevation Entry

Comments:

Callouts:

Figure 4 Callouts:

Comments:

1920 New entry where it connects to the original 1900 Building.



Appendix A - Detailed Photographs



Callouts:

Comments:

Building.

1920 New entry where it connects to the original 1900



Title:

1920 Building A - West Elevation Entry



1920 Building A - West Elevation



Appendix A - Detailed Photographs

Figure 7

Callouts:

- 1. 1920 Building Portico entry.
- 2. Connection to the 1979 Gym Addition.

Comments:



Title:





1979 Gym Addition - South Elevation



Figure 9

Callouts:

- Vertical control joints.
 Staining from the paint of
- the translucent panel system above.
- 3. Damaged panel patched with tape.

Comments:

Note the discoloration of the translucent panels.



Q710 - Daniel Butler Elementary School

Building Envelope Survey



Title:

1979 Gym Addition - East Elevation

Figure 10

Callouts:

- 1. 1900 Original School
- 2. 1920 Addition
- 3. 1930 Addition
- 4. 1979 Gym Addition

Comments:



Title:

Southeast Elevation - Overall View



Appendix A - Detailed Photographs



Title:

1930 Building C - South Elevation



1930 Building C - East Elevation



Appendix A - Detailed Photographs



Title:

1930 Building C - East Elevation



Title:

1930 Building C - North Elevation

Callouts:

Callouts:

Comments:

Comments:



Appendix A - Detailed Photographs

Figure 15 Callouts: Abandoned decorative limestone entry. Algae growth on the masonry. Comments: 1 2 B_0818034 J. Kenney Associat

Title:





Title:

Connector - North Elevation

Figure 16 Callouts:

1.

2.

Comments:

Connection between the 1900 and 1930 Buildings.

G:\RJK\WORD\31099 Q710 Daniel Butler Elem School Appendix A.docx



Appendix A - Detailed Photographs



- Callouts:
- 1. Broken slate.
- 2. Cracked slate.
- 3. Disintegrating slate.

Title:





1900 Building slate roof existing conditions. Typical Conditions.



Title:

1900 Building - South Elevation - Slate Roof



Appendix A - Detailed Photographs

Figure 19

Callouts:

- Missing slate where one 1. was loose or replaced previously.
- 2. Broken slate.
- 3. Cracked slate.
- 4. Disintegrating slate.
- 5. Failed snow guard
- 6. Loose slate.

Comments:

Figure 20 Callouts:

3.

6.

7.

Comments:

1900 Building slate roof existing conditions.



Title:

1900 Building B - Southeast Corner - Slate Roof

(3 1. Missing slate where one [3] was loose or replaced previously. Felt paper is 5 gone and the sheathing is 1 exposed. 6 2. Broken slate. 3 Cracked slate. 3 4. Disintegrating slate. 2 6 5. Failed snow guard. 6 Loose slate. Open corner. 1900 Building slate roof 4 existing conditions A_0816089 R. J. Kenney Associates, Ind

Title:

1900 Building B - Northeast Corner - Slate Roof



Appendix A - Detailed Photographs



Title:

1900 Building B - South Elevation Dormer - Slate Roof



Title:

1900 Building B - West Elevation Dormer - Slate Roof



Appendix A - Detailed Photographs



1900 Building B - North Elevation Dormer - Slate Roof



1900 Building B - Southwest Corner Gutter




Title:

1900 Building B - Southwest Corner Gutter

Figure 26

- Callouts:
- 1. Gutter box.
- 2. Seams.
- 3. Fascia board is deteriorated and pulled away from gutter box.

Comments:



Title:

1900 Building B - Southeast Corner



Appendix A - Detailed Photographs



Title:

1900 Building B - North Elevation



1900 Building B - South Elevation Dormer and Roof Transition at 1920 Building A



Appendix A - Detailed Photographs



Title:

1900 Building - South Elevation Roof Transition at 1920 Building A

Figure 30

Callouts:

- 1. Damaged gutter box.
- 2. Seam is leaking.
- 3. Fascia boards are deteriorated.
- 4. Gap between soffit and top of masonry wall.
- 5. Detached downspout.

Comments:



Title:

1900 Building - South Elevation at Connection to 1920 Building A



Appendix A - Detailed Photographs



Title:

1900 Building B - Ornamental Brownstone



Figure 31 Callouts:



Callouts:

- 1. Metal cladding lifted off brownstone.
- 2. Efflorescence staining.
- 3. Cracks in the brownstone.
- 4. Brownstone is stained from airborne soot and water runoff.

Comments:



Title:

1900 Building B - Ornamental Brownstone



Appendix A - Detailed Photographs

Figure 33

Callouts:

- 1. Fascia boards are deteriorated.
- 2. Gap between soffit and top of masonry wall.

Comments:



Title:



Figure 34

Callouts:

- 1. Fascia boards are deteriorated.
- 2. Soffit Bracket is coming loose.
- 3. Gap between soffit and top of masonry wall.

Comments:



1900 Building B - East Elevation



Appendix A - Detailed Photographs



Title:





Title:

1900 Building B - North Elevation Dormer

Figure 36 Callouts:



Appendix A - Detailed Photographs



Title:

1900 Building B - North Elevation Dormer





1900 Building B - West Elevation

2.



Appendix A - Detailed Photographs

Figure 39

Callouts:

- 1. Brick mortar joint deterioration.
- 2. Algae growth on masonry.
- 3. Limestone sill mortar joint deterioration.

Comments:



Title:

1900 Building B - South Elevation at Connector



1900 Building B - South Elevation at Connector





1900 Building B - Typical Mortar Joint Deterioration Behind Downspouts



Title:

1900 Building B - Typical Mortar Joint Deterioration Behind Downspouts



Appendix A - Detailed Photographs

Figure 43

Comments:

Callouts:

- 1. Through-masonry cracking and step cracking.
- 2. Deteriorated mortar joint.



C_081729: Title:





1900 Building B - South Elevation at Connection to 1920 Building A



Appendix A - Detailed Photographs



Title:

1900 Building B - East Elevation at Connection to 1930 Building A



¹⁹⁰⁰ Building B- South Elevation at Connection to 1920 Building A



Appendix A - Detailed Photographs



Callouts:

Comments:



Title:

1900 Building B - Masonry Damaged from Anchor Removal



Title:

1900 Building B - Anchor in Masonry



Appendix A - Detailed Photographs



Title:





1900 Building B - Deteriorated Mortar Joints at Window Sill



Appendix A - Detailed Photographs



Title:

1900 Building B - Deteriorated Mortar at Head Joint of Granite Sills.



Title:

1900 Building B - South Elevation

Callouts:





1900 Building B - North Elevation Entrance to Connector



1900 Building B - North Elevation Entrance to Connector



Appendix A - Detailed Photographs

Figure 55

Callouts:

Comments:



Title:

1900 Building B - North Elevation Entrance to Connector



1900 Building B - North Elevation Entrance to Connector



Appendix A - Detailed Photographs



Title:

1900 Building B - North Elevation



1900 Building B - South Elevation at Connector





1900 Building B - North Elevation



1920 Building A - Roof Looking Northeast



Appendix A - Detailed Photographs



Title:

1920 Building A - Roof Looking North



1920 Building A - Roof Looking Northwest



Appendix A - Detailed Photographs



Title:

1920 Building A - Roof Looking Southwest



1920 Building A - Roof Looking Southeast



Callouts:

Q710 – Daniel Butler Elementary School Building Envelope Survey Author: MEB Report Date: 11/10/2021

Appendix A - Detailed Photographs



Title:

1920 Building A - South Elevation - Portico Entry Roof



1920 Building A - West Elevation Entry



Appendix A - Detailed Photographs



Title:





Title:

1920 Building A - West Elevation - Cracked/Deteriorating Precast at Entry

G:\RJK\WORD\31099 Q710 Daniel Butler Elem School Appendix A.docx



Appendix A - Detailed Photographs



Title:

1920 Building A - West Elevation - Cracked Precast Window Sill



1920 Building A - West Elevation - Cracked Precast Window Sill

Comments:

Callouts:

Comments:



Appendix A - Detailed Photographs



Title:

1920 Building A - West Elevation - Mortar Joint Deterioration



Title:

1920 Building A - South Elevation - Mortar Joint Deterioration at Window Head

Callouts:





Title:

1920 Building A - South Elevation - Step Cracking Between Windows



1920 Building A - East Elevation



Appendix A - Detailed Photographs



Title:





Title:

1920 Building A - East Elevation

Comments:

Figure 76 Callouts:





Title:

1920 Building A - South Elevation - Parapet



1920 Building A - South Elevation - Parapet





Title:





Title:

1920 Building A - South Elevation Cornice



Appendix A - Detailed Photographs



Title:



Figure 82

Callouts:

- 1. Sealant joint is deteriorating.
- 2. Brick mortar deterioration.
- 3. Efflorescence damage to cornice.
- 4. Organic growth on masonry.

Comments:



1920 Building A - East Elevation



Appendix A - Detailed Photographs



Title:

1920 Building A - South Elevation - Portico Entry



Title:

1920 Building A - East Elevation



Appendix A - Detailed Photographs



Title:





Title:

1930 Building C - Roof Looking North



Appendix A - Detailed Photographs



1930 Building C - Stair Penthouse



Title:

1930 Building C - Roof Looking West



Callouts:

Appendix A - Detailed Photographs



1930 Building C - Roof Looking West



1930 Building C - Roof Looking Southeast



Figure 90 Callouts:

View from penthouse roof.



Appendix A - Detailed Photographs



Title:





1930 Building C - Penthouse Door Head Flashing Condition



Figure 93 Callouts:

Comments:

Q710 – Daniel Butler Elementary School Building Envelope Survey Author: MEB Report Date: 11/10/2021

Appendix A - Detailed Photographs



Title:

1930 Building C - Penthouse Door and Sill Flashing Condition



1930 Building C - Penthouse Flashing Condition



Figure 95

Callouts:

- Cracked limestone sill. 1.
- Brick mortar deterioration. 2.
- 3. Masonry repair with mortar.
- 4. Damaged masonry.

Comments:

Figure 96 Callouts:

2.

3.

Comments:

is missing.



Title:

1930 Building C - East Elevation



Title:

1930 Building C - East Elevation


Figure 97

Callouts:

- 1. Damage to masonry and joints due to anchors.
- 2. Limestone banding is stained.
- 3. Deteriorating masonry and mortar.

Comments:

Appendix A - Detailed Photographs



Title:

1930 Building C - East Elevation



1930 Building C - North Elevation



Appendix A - Detailed Photographs



Title:

1930 Building C - North Elevation



Title:

1930 Building C - South Elevation

Callouts:



Appendix A - Detailed Photographs

Figure 101

Callouts:

- 1. Sealant joints are failing.
- 2. Hole in wall; missing
- masonry units.
- Limestone band is stained.
 Deteriorating mortar joints.

Comments:



Title:





Title:

1930 Building C - South Elevation - Connector Roof

G:\RJK\WORD\31099 Q710 Daniel Butler Elem School Appendix A.docx



Appendix A - Detailed Photographs



Title:

1979 Gym Addition



1979 Gym Addition - South Elevation



Appendix A - Detailed Photographs



Title:

1979 Gym Addition - South Elevation



Title:

1979 Gym Addition - South Elevation



Callouts:

Q710 – Daniel Butler Elementary School Building Envelope Survey Author: MEB Report Date: 11/10/2021

Appendix A - Detailed Photographs



Title:

1979 Gym Addition



1979 Gym Addition



Appendix A - Detailed Photographs



Callouts:

Comments:



Title:

1979 Gym Addition - North Elevation



1979 Gym Addition



Appendix A - Detailed Photographs



Title:

1979 Gym Addition



Connector Roof - Looking Southwest



Appendix A - Detailed Photographs



Title:

Connector Roof - Looking South



Connector Roof - Looking South



Figure 115

Callouts:

Appendix A - Detailed Photographs



Title:

Connector Roof - Looking North



Connector Roof - Looking East



Appendix A - Detailed Photographs



Connector Roof - Looking East



Connector Roof - Flashing



Appendix A - Detailed Photographs



Title:

Connector Roof - Flashing



Title:

Connector Roof - Flashing



Appendix A - Detailed Photographs



Title:

Connector Roof - Flashing



Connector Roof - Flashing



Appendix A - Detailed Photographs



Title:

Connector Roof - Flashing



Title:

Connector Roof - Flashing



Figure 125

Callouts:

Comments:

Appendix A - Detailed Photographs



Title:





Connector Roof - Skylight



Figure 127

Callouts:

Comments:

Appendix A - Detailed Photographs



Title:

Connector Roof - Skylight



Title:

Connector Roof - Skylight



Appendix A - Detailed Photographs



Title:





Title:

Connector Roof - Skylight



Appendix A - Detailed Photographs

Figure 131

Callouts:

Comments:



Title:





Title:

Test 1.1 - Flood Test of Drain and Sump



Appendix A - Detailed Photographs



Title:

Test 1.1 - Water Infiltration in Storage Room 031



Title:

Test 5.1 - Elevator Tower Over Sloped Glazing















Appendix C - Test Log

Test Area/ Test Number	Date	Leak Observed	Results/Comments				
			Test Area #1				
T1.1	8/17/2021	58 min.	Flood test of drain and drain sump. Water observed dripping from the ceiling of Gymnasium Storage Room 031 in the same location as water damage on the ceiling. A bucket was already located on the ground in the location where leakage was observed.				
	Test Area #2						
T2.1	8/17/2021	None	Flood test of drain and drain sump.				
T2.2	8/17/2021	None	Flood test of drain and drain sump.				
T2.3	8/17/2021	None	Flood test of drain and drain sump.				
			Test Area #3				
T3.1 8/18/2021 None		None	Spray rack test at top of sloped glazing through-wall flashing over damaged ceiling at interior.				
			Test Area #4				
T4.1	8/18/2021	None	Test of base of wall through-wall flashing by elevator tower.				
			Test Area #5				
T5.1	8/18/2021	20 min.	Spray rack test at southeast corner of elevator tower over the sloped glazing rake flashing. Water was observed over the doorway in the elevator mechanical room.				

G:\RJK\WORD\31099 Q710 Daniel Butler Elem School Appendix C.docx



Appendix D - Priority Level Table

Priority Level	Description					
1	Immediate risk to public safety. Immediate stabilization or localized repair is required.					
2	Severely deteriorated system or material that requires wholesale system replacement. Or a localized condition that requires prompt attention to prevent deterioration of other materials or systems.					
3	Moderately deteriorated system or material that will require replacement or major repair in the future. Or a localized condition that requires attention in the short term to prevent continued deterioration.					
4	Condition of the system is good and does not require replacement or major repair in the short term.					
5	Condition of system is very good and replacement or major repair is not anticipated for at least 10 years.					

G:\RJK\WORD\31099 Q710 Daniel Butler Elem School Appendix D.docx

A CONTRACTOR OF THE STATE	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-61							
Department:	Title:		NTT					
Description: Continuation of window replacement project and envelope repointing and sealing. There are 72 remaining windows to be replaced - including those in this request.								
Location (if available)	BUTLER ELEMENTA	ARY SCHOOL						
FY 23: \$235000	FY 24: \$	FY 25: \$	FY 26: \$					
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$235000						
Project Category: Publ	ic improvement	Project Type: Replacem	ent					
Basis For Estimate: Ot	her	Life Expectancy: 25						
Operational Cost Impa	ct: Decrease to expenses	5						
Note: The new windows are more energy efficient than the existing because of low E glass and thermopane double insulated glass.								
Urgency: 6								
Note: Continuation of a long term decision to upgrade the windows.								
Previous Phases: Yes	Previous Phases: Yes							
Can This Be Phased: Yes								
Grants:								

ALL MOLENES	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-21							
Department: Facilities	Title: Supplemental funding	for new Fire Alarm						
Description: Start and	complete the the upgrad	le of a new Fire Alarm sy	rstem					
Location (if available)	: BUTLER ELEMENTA	ARY SCHOOL						
FY 23: \$66000	FY 24: \$	FY 25: \$	FY 26: \$					
FY 27: \$	FY 28: \$	\$ FY 23 – 28 Total: \$66000						
Project Category: Equi	ipment	Project Type: Replacem	ent					
Basis For Estimate: Co	onsultant	Life Expectancy: 15						
Operational Cost Impa	ect: Neutral	·						
Note:								
Urgency: 4 - Has outli	ved its useful life							
Note: Funding was apperture of the second se	Note: Funding was approved in FY 16 and FY20. Increased construction cost has pushed the estimated value to \$327,185. Public bids will determine actual cost.							
Previous Phases: No	Previous Phases: No							
Can This Be Phased: N	lo							
Grants:								



Pricing Set Estimate

Belmont Public Schools Daniel Butler ES School Fire Alarm System Upgrade

Belmont, MA

Prepared for:

SMMA

November 10, 2021



Belmont Public Schools

Daniel Butler ES School Fire Alarm System Upgrade Belmont, MA

Pricing Set Estimate

		Gross Floor Area	\$/sf	Estimated Construction Cost
FIRE ALARM REPLACEMENT		58,850	\$4.51	\$265,573
REMOVE HAZARDOUS MATERIALS				NIC
SUB-TOTAL		58,850	\$4.51	\$265,573
DESIGN/PRICING	10.00%			\$26,557
ESCALATION	2.00%			\$5,311
SUB-TOTAL Incl. CONTINGENCY & ESCALATION				\$297,441
GENERAL CONDITIONS	Incl			
SUB-TOTAL				\$297,441
BONDS	Incl			
INSURANCE - GLI	Incl			
PERMIT				NIC
SUB-TOTAL				\$297,441
OVERHEAD AND FEE	10.00%			\$29,744
TOTAL OF ALL CONSTRUCTION		58,850	\$5.56	\$327,185

MAIN CONSTRUCTION COST SUMMARY



Belmont Public Schools Daniel Butler ES School Fire Alarm System Upgrade

Belmont, MA

Pricing Set Estimate

This Pricing Set cost estimate was produced from existing drawings and narratives prepared by SMMA, dated October 29th, 221. Design and engineering changes occurring subsequent to the issue of these documents have not been incorporated in this estimate.

This estimate includes all direct construction costs, subcontractors overhead and profit and design contingency. Cost escalation assumes start dates indicated.

Bidding conditions are expected to be public bidding under 149 of the Massachusetts General Laws to pre-qualified sub-contractors, and pre-qualified sub-contractors, open specifications for materials and manufactures. If GC is selected as the prime contractor costs will in all likelihood increase from this estimate

The estimate is based on prevailing wage rates for construction in this market and represents a reasonable opinion of cost. It is not a prediction of the successful bid from a contractor as bids will vary due to fluctuating market conditions, errors and omissions, proprietary specifications, lack or surplus of bidders, perception of risk, etc. Consequently the estimate is expected to fall within the range of bids from a number of competitive contractors or subcontractors, however we do not warrant that bids or negotiated prices will not vary from the final construction cost estimate.

ITEMS NOT CONSIDERED IN THIS ESTIMATE

Items not included in this estimate are:

Any Overtime, accelerated schedule or phasing premiums Project is assumed to be done over the summer of 2022 when school is unoccupied All professional fees and insurance Removal of any hazardous materials Building Permit costs Land acquisition, feasibility, and financing costs All Furnishings, Fixtures and Equipment (including moving existing furniture) Items identified in the design as Not In Contract (NIC) Items identified in the design as by others Owner supplied and/or installed items (e.g. draperies, furniture and equipment) 10-Nov-21



Belmont Public Schools

Daniel Butler ES School Fire Alarm System Upgrade Belmont, MA

Pricing Set Estimate

GFA 58,850

10-Nov-21

		CONSTRUCT	ION COST SUMM	ARY		
	BUILDING	SYSTEM	SUB-TOTAL	TOTAL	\$/SF	%
FIRE AL	ARM RE	PLACEMENT				
C10	INTER	IOR CONSTRUCTION				
	C1010	Partitions	\$10,000	\$10,000	\$0.17	3.8%
Cas						
C30	INTER	IOR FINISHES				
	C3010	Wall Finishes	\$15,000			
	C3030	Ceiling Finishes	\$10,000	\$35,200	\$0.60	13.3%
D30	HVAC					
230	D30	HVAC	\$O	\$0	\$0.00	0.0%
Dec	FLEOT	DIGAT				
D50	ELECI					
	D5020	Gear + Distribution	\$5,000			
	D5030	Fire Alarm Systems	\$204,351			
	D5040	Other Electrical Systems	\$11,022	\$220,373	\$3.74	83.0%
ΤΟΤΔ	AL DIRE	CT COST (Trade Costs)		\$265,573	\$4.51	100.0%



Belmont Public Schools Daniel Butler ES School Fire Alarm System Upgrade Belmont, MA

10-Nov-21

Cer	, Set ESUII	1arc		1 1	IMIT	FOTIN	GFA	50 TOTAL
CODE		DESCRIPTION	QTY	UNIT	COST	EST D COST	SUB TOTAL	COST
FIRE	ALARM	REPLACEMENT						
		Cround Floor				10.075		
		Ground Floor				19,275		
		and Floor				17,252		
		Attic				5,006		
						5,000		
		TOTAL GROSS FLOOR AREA (GFA)				58,850	sf	
							-	
	С10	INTERIOR CONSTRUCTION						
	929000	Gypsum panels						
92900		Allowance for patching existing walls for penetrations	1	ls	10,000.00	10,000		
		for new FA system						
		SUBTOTAL					10,000	
		TOTAL - INTERIOR CONSTRUCTION						\$10,
	Сзо	INTERIOR FINISHES						
	C2010	WALLEINISHES						
	03010							
	099000	Painting						
99000		Paint and patching walls	1	ls	15,000.00	15,000		
		SUBIOIAL					15,000	
	_							
	C3030	CEILING FINISHES						
		Acoustic Coiling						
90003	099003	Allowance to remove and reinstall ceilings for access	120	hrs	85.00	10.200		
					0,00	10,200		
		SUBTOTAL					10,200	
	00000	Painting						
99000	-,,,	Paint and patching ceilings	1	ls	10,000.00	10,000		
		SUBTOTAL					10,000	
		TOTAL - INTERIOR FINISHES						25
	1							
l	D30	HVAC						
	D30	HVAC, GENERALLY						
		SUBTOTAL						
I		TOTAL - HVAC						
		IUIAL-IIVAC						
	Dec							



Belmont Public Schools Daniel Butler ES School Fire Alarm System Upgrade Belmont, MA

Р	Pricing Set Estin	nate					GFA	58,850
C C	CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
F	FIRE ALARM	REPLACEMENT			·			
46								
47								
48		Gear & Distribution						
49		Allow for new circuit breakers in existing gear	1	ls	5,000.00	5,000		
50		SUBTOTAL					5,000	
51								
52	D5030	COMMUNICATION & SECURITY SYSTEMS						
53		Fire Alarm with Voice EVAC						
54		Control panel	1	ea	15,000.00	15,000		
55		FAA	1	ea	2,200.00	2,200		
56		Beam detector	2	ea	1,200.00	2,400		
57		Duct smoke detector	3	ea	550.00	1,650		
58		FP connection	2	ea	275.00	550		
59		Knox box	1	ea	650.00	650		
60		Manual pull station	14	ea	140.00	1,960		
61		Radio master box	1	ea	9,500.00	9,500		
62		Monitoring/control module	11	ea	250.00	2,750		
63		Signaling device	72	ea	170.00	12,240		
64		Smoke detector	52	ea	150.00	7,800		
05		Device box	160	ea	30.00	4,800		
00		3/4" EMT	4,000	lf	9.00	36,000		
67		#14 THHN	12,000	lf	1.00	12,000		
68		FA MC cable	4,000	lf	5.25	21,000		
		Testing programming	1	ls	15,000.00	15,000		
70		Keep existing system operating during construction	58,850	st	0.25	14,713		
71		Allow for fire alarm not yet detailed	58,850	st	0.50	29,425		
/4		Demo and make of existing	58,850	st	0.25	14,713		
73		BI-Directional System				NIC		
75		BDA System				NIC		
75		SUDIUIAL					204,351	
/0								
77	D5040	OTHER ELECTRICAL SYSTEMS		_				
78		Allowance for permits	1	ls	1,021.76	1,022		
79		Allowance for final clean	1	ls	10,000.00	10,000		
80		SUBTOTAL					11,022	
81								
82		TOTAL - ELECTRICAL						\$220,373

A CONTROL OF CONTROL O	c Capita	ommonwealth o Town of I Request	of Massachusetts Belmont #FY 23 CBR-1	4			
Department: Facilities	Title: Electric Van						
Description: New Ele	ectric Van						
Location (if available	e): OTHER						
FY 23: \$54704	FY 24: \$	FY 25: \$	FY 26: \$				
FY 27: \$	FY 28: \$	FY 23 – 28 Tot	tal: \$54704				
Project Category: Vel	nicle	Project Type: N	Project Type: New				
Basis For Estimate: Q	Juote	Life Expectancy: 5					
Operational Cost Imp	oact: Neutral		I				
Note:							
Urgency: 5 - New: to	address quality of	life					
Note: Fleet Vehicle (e	elec.) to support ne	w staff					
Previous Phases: No							
Can This Be Phased:	No						
Grants:							
2022 E-Transit-350 Cargo RWD Medium Roof Van 130" WB Base (W9C) Price Level: 220



Client Proposal

Prepared by: Stan Tagarelis Office: 617-924-3673 Date: 11/03/2021





Prepared by: Stan Tagarelis 11/03/2021

2022 E-Transit-350 Cargo RWD Medium Roof Van 130" WB Base (W9C)

Price Level: 220

Watertown Ford, Inc. | 625 Pleasant Street Watertown Massachusetts | 024722406

As Configured Vehicle	MSRP
Short-Arm Manual-Folding Heated Pwr Adjusting Mirrors	1 \$150.00
Fixed Rear Cargo Door & Passenger-Side Glass	\$395.00
Rear-Window Defroster	Included
Rearview Mirror	Included
6 Cargo Tie-Down Hooks	\$25.00
Full Rear Compartment Lighting	\$70.00
Window Only Bulkhead	\$830.00
Passenger-Side B-Pillar Assist Handle	Included
120V/2.4kW Pro Power Onboard	\$950.00
12V Powerpoint	Included
2 Additional Keys (4 Total)	\$70.00
SUBTOTAL	\$50,955.00
Destination Charge	\$1,695.00
TOTAL	\$52,650.00

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

VEHICLE	YEAR	Make & Model	VIN	PLATE	MILEAGE	Designee	Notes
FAC-1	2014	CHEVY Silverado 3500HD	1GC3KZCGXEF171461	M87257	26992	School - Maint	Hand down from DPW
FAC-2	2003	CHEVY Silverado P/U	1GCHK24U63E167573	M71175	60289	N/A	Taken of the road 7/21
FAC-3	2018	CHEVY CITY EXPRESS VAN	3N63M0YN1JK696358	M99384	21700	School - Maint	
FAC-4	2010	CHEVY Silverado P/U	1GC3KVBG0AF154821	M82989	59638	Town - Maint.	Hand down from DPW
FAC-5	2017	CHEVY VAN	1GCZGHFG2J1169213	M99234	20842	HVAC	
FAC-6	2002	FORD F-450	1FDXF47F62ED10699	M2071	71034	Carp./ Elec	Hand down from DPW
FAC-7	2017	NISSAN LEAF (Electric)	1N4BZ0CP1HC302369	M3972A	37757	Admin.	Does not hold charge no long distances
FAC-8	2018	FORD Explorer	1FM5K8D82KGA16415	M2057	94890	Director	Loaner from DPW

LINOA/2 LINOA/	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-12						
Department: Facilities	Title: New Electric Van						
Description: Added to fleet to support new positions within the Facilities Department.							
Location (if available)	Location (if available): OTHER						
FY 23: \$54756	FY 24: \$	FY 25: \$	FY 26: \$				
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$547:	56				
Project Category: Veh	icle	Project Type: New					
Basis For Estimate: Q	uote	Life Expectancy: 5					
Operational Cost Impa	act: Neutral	•	•				
Note:							
Urgency: 6							
Note: Support to grow	Note: Support to growing and improving Department						
Previous Phases: No							
Can This Be Phased: No							
Grants: Have not been identified							

2022 E-Transit-350 Cargo RWD Medium Roof Van 130" WB Base (W9C) Price Level: 220



Client Proposal

Prepared by: Stan Tagarelis Office: 617-924-3673 Date: 11/03/2021





Prepared by: Stan Tagarelis 11/03/2021

2022 E-Transit-350 Cargo RWD Medium Roof Van 130" WB Base (W9C)

Price Level: 220

Watertown Ford, Inc. | 625 Pleasant Street Watertown Massachusetts | 024722406

As Configured Vehicle	MSRP
Short-Arm Manual-Folding Heated Pwr Adjusting Mirrors	1 \$150.00
Fixed Rear Cargo Door & Passenger-Side Glass	\$395.00
Rear-Window Defroster	Included
Rearview Mirror	Included
6 Cargo Tie-Down Hooks	\$25.00
Full Rear Compartment Lighting	\$70.00
Window Only Bulkhead	\$830.00
Passenger-Side B-Pillar Assist Handle	Included
120V/2.4kW Pro Power Onboard	\$950.00
12V Powerpoint	Included
2 Additional Keys (4 Total)	\$70.00
SUBTOTAL	\$50,955.00
Destination Charge	\$1,695.00
TOTAL	\$52,650.00

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

VEHICLE	YEAR	Make & Model	VIN	PLATE	MILEAGE	Designee	Notes
FAC-1	2014	CHEVY Silverado 3500HD	1GC3KZCGXEF171461	M87257	26992	School - Maint	Hand down from DPW
FAC-2	2003	CHEVY Silverado P/U	1GCHK24U63E167573	M71175	60289	N/A	Taken of the road 7/21
FAC-3	2018	CHEVY CITY EXPRESS VAN	3N63M0YN1JK696358	M99384	21700	School - Maint	
FAC-4	2010	CHEVY Silverado P/U	1GC3KVBG0AF154821	M82989	59638	Town - Maint.	Hand down from DPW
FAC-5	2017	CHEVY VAN	1GCZGHFG2J1169213	M99234	20842	HVAC	
FAC-6	2002	FORD F-450	1FDXF47F62ED10699	M2071	71034	Carp./ Elec	Hand down from DPW
FAC-7	2017	NISSAN LEAF (Electric)	1N4BZ0CP1HC302369	M3972A	37757	Admin.	Does not hold charge no long distances
FAC-8	2018	FORD Explorer	1FM5K8D82KGA16415	M2057	94890	Director	Loaner from DPW

A CONTRACT OF THE PARTY OF THE	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-16						
Department: Facilities	Title: Replace Heat Exchange	r					
Description: The Heat Exchanger that supports the heating side of the geo thermal system at the Wellington school needs to be replaced to take advantage of the state of the art heating and cooling system. We have made improvements to make the system work during shoulder cooling seasons but it is not able to cool or heat in height of seasons. BMS Programming is also apart of the repair project.							
Location (if available):	WELLINGTON ELEM	IENTARY SCHOOL					
FY 23: \$150000	FY 24: \$	FY 25: \$	FY 26: \$				
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$1500	000				
Project Category: Equi	pment	Project Type: Replacem	ent				
Basis For Estimate: In-	-house estimate	Life Expectancy: 12					
Operational Cost Impa	ct: Decrease to expenses	5					
Note: Geothermal heat temperatures.	ing and cooling means l	ess fossil fuel needs to b	e used to manage school				
Urgency: 1 - System h	as failed						
Note: System failed ov	ver 5 years ago do to ope	erator error.					
Previous Phases: No							
Can This Be Phased: N	Can This Be Phased: No						
Grants:							

THE LMONT	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-22						
Department:	Title:		1.0.4				
Description: Update the Fire Alarm and PA system at the Winn Brook School. This received approved funding in FY19 FY20, and FY21. This amount will cover the estimated value for the project.							
Location (if available):	WINN BROOK ELEM	IENTARY SCHOOL					
FY 23: \$75000	FY 24: \$	FY 25: \$	FY 26: \$				
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$75000					
Project Category: Equi	pment	Project Type: Replacement					
Basis For Estimate: Co	onsultant	Life Expectancy: 15					
Operational Cost Impa	ct: Neutral						
Note:							
Urgency: 4 - Has outliv	ved its useful life						
Note:							
Previous Phases: No	Previous Phases: No						
Can This Be Phased: No							
Grants:							



Pricing Set Estimate

Belmont Public Schools

Winn Brook ES School Fire Alarm + PA System Upgrade

Belmont, MA

Prepared for:

SMMA

November 10, 2021



Belmont Public Schools

Winn Brook ES School Fire Alarm + PA System Upgrade Belmont, MA

Pricing Set Estimate

		Gross Floor Area	\$/sf	Estimated Construction Cost
FIRE ALARM + PA SYSTEM REPLACEMENT	68,739	\$5.41	\$371,760	
REMOVE HAZARDOUS MATERIALS				NIC
SUB-TOTAL		68,739	\$5.41	\$371,760
DESIGN/PRICING	10.00%			\$37,176
ESCALATION	2.00%			\$7,435
SUB-TOTAL Incl. CONTINGENCY & ESCALATION	ſ			\$416,371
GENERAL CONDITIONS	Incl			
SUB-TOTAL				\$416,371
BONDS	Incl			
INSURANCE - GLI PERMIT	Incl			NIC
SUB-TOTAL				\$416,371
OVERHEAD AND FEE	10.00%			\$41,637
TOTAL OF ALL CONSTRUCTION		68,739	\$6.66	\$458,008

10-Nov-21



Belmont Public Schools Winn Brook ES School Fire Alarm + PA System Upgrade Belmont, MA

Pricing Set Estimate

This Pricing Set cost estimate was produced from existing drawings and narratives prepared by SMMA, dated October 29th, 221. Design and engineering changes occurring subsequent to the issue of these documents have not been incorporated in this estimate.

This estimate includes all direct construction costs, subcontractors overhead and profit and design contingency. Cost escalation assumes start dates indicated.

Bidding conditions are expected to be public bidding under 149 of the Massachusetts General Laws to pre-qualified sub-contractors, and pre-qualified sub-contractors, open specifications for materials and manufactures. If GC is selected as the prime contractor costs will in all likelihood increase from this estimate

The estimate is based on prevailing wage rates for construction in this market and represents a reasonable opinion of cost. It is not a prediction of the successful bid from a contractor as bids will vary due to fluctuating market conditions, errors and omissions, proprietary specifications, lack or surplus of bidders, perception of risk, etc. Consequently the estimate is expected to fall within the range of bids from a number of competitive contractors or subcontractors, however we do not warrant that bids or negotiated prices will not vary from the final construction cost estimate.

ITEMS NOT CONSIDERED IN THIS ESTIMATE

Items not included in this estimate are:

Any Overtime, accelerated schedule or phasing premiums Project is assumed to be done over the summer of 2022 when school is unoccupied All professional fees and insurance Removal of any hazardous materials Building Permit costs Land acquisition, feasibility, and financing costs All Furnishings, Fixtures and Equipment (including moving existing furniture) Items identified in the design as Not In Contract (NIC) Items identified in the design as by others Owner supplied and/or installed items (e.g. draperies, furniture and equipment) 10-Nov-21



Belmont Public Schools Winn Brook ES School Fire Alarm + PA System Upgrade Belmont, MA

Pricing Set Estimate

10-Nov-21

Pricing Set	Estimate				GFA	68,739
		CONSTRUCTIO	N COST SUMMA	ARY		
	BUILDING	SYSTEM	SUB-TOTAL	TOTAL	\$/SF	%
FIRE AL	ARM + P	'A SYSTEM REPLACEMENT				
C10	INTER	IOR CONSTRUCTION				
	C1010	Partitions	\$15,000	\$15,000	\$0.22	4.0%
C30	INTER	IOR FINISHES				
	C3010	Wall Finishes	\$20,000			
	C3030	Ceiling Finishes	\$10,000	\$40,200	\$0.58	10.8%
D30	HVAC					
	D30	HVAC	\$o	\$0	\$0.00	0.0%
D50	ELECT	RICAL				
	D5020	Gear + Distribution	\$5,000			
	D5030	Fire Alarm Systems	\$300,060			
	D5040	Other Electrical Systems	\$11,500	\$316,560	\$4.61	85.2%
TOTA	AL DIRE	CT COST (Trade Costs)		\$371,760	\$5.41	100.0%



Belmont Public Schools Winn Brook ES School Fire Alarm + PA System Upgrade

10-Nov-21

CSI	, SELESUM	1		1	UNIT	FST'D	GrA	08,7 TOTAL
CODE		DESCRIPTION	QTY	UNIT	COST	EST D COST	TOTAL	COST
FIRE	ALARM	+ PA SYSTEM REPLACEMENT						
		1st Floor				46,232		
		2nd Floor				22,507		
		TOTAL GROSS FLOOR AREA (GFA)				68.730	sf	
l						,,0,	-0	
	С10	INTERIOR CONSTRUCTION						
	020000	Gyneum nanals						
092900	929000	Allowance for patching existing walls for penetrations	1	ls	15.000.00	15.000		
		for new FA system	_		-0,	-0,000		
		SUBTOTAL					15,000	
		TOTAL - INTERIOR CONSTRUCTION						\$15,0
ĺ	Сзо	INTERIOR FINISHES						
	C3010	WALL FINISHES						
	099000	Painting						
099000		Paint and patching walls	1	ls	20,000.00	20,000		
		SUBTOTAL					20,000	
	C3030	CEILING FINISHES						
	099003	Acoustic Ceiling			_			
090003		Allowance to remove and reinstall ceilings for access	120	hrs	85.00	10,200		
		SUBTOTAL					10,200	
000000	099000	Painting		1-		10.000		
099000		SUBTOTAL	1	IS	10,000.00	10,000	10,000	
		TOTAL - INTERIOR FINISHES						40,2
ĺ	D30	HVAC						
	Dee							
	D30	SUBTOTAL						
		TOTAL - HVAC						
	I							
	D50	ELECTRICAL						



Belmont Public Schools Winn Brook ES School Fire Alarm + PA System Upgrade Belmont, MA

Pricin	g Set Estin	nate					GFA	68,739
CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
FIRE	ALARM	+ PA SYSTEM REPLACEMENT						
		Gear & Distribution						
		Allow for new circuit breakers in existing gear	1	ls	5,000.00	5,000		
		SUBTOTAL					5,000	
	D5030	COMMUNICATION & SECURITY SYSTEMS						
		Fire Alarm with Voice EVAC						
		Control panel	1	ea	15,000.00	15,000		
		FAA	1	ea	2,200.00	2,200		
		Beam detector	2	ea	1,200.00	2,400		
		Heat detector	2	ea	140.00	280		
		FP connection	2	ea	275.00	550		
		Knox box	1	ea	650.00	650		
		Manual pull station	13	ea	140.00	1,820		
		Duct smoke detector	3	ea	1,200.00	3,600		
		Radio master box	1	ea	9,500.00	9,500		
		Monitoring/control module	9	ea	250.00	2,250		
		Signaling device	76	ea	170.00	12,920		
		Smoke detector	64	ea	150.00	9,600		
		Device box	175	ea	30.00	5,250		
		3/4" EMT	3,500	lf	9.00	31,500		
		#14 THHN	10,500	lf	1.00	10,500		
		FA MC cable	3,500	lf	5.25	18,375		
		Testing programming	1	ls	15,000.00	15,000		
		Keep existing system operating during construction	68,739	\mathbf{sf}	0.25	17,185		
		Allow for fire alarm not yet detailed	68,739	\mathbf{sf}	0.50	34,370		
		Demo and make of existing	68,739	\mathbf{sf}	0.25	17,185		
		Bi-Directional System						
		BDA system				NIC		
		Public Announcement System						
		Head end	1	ls	15,000.00	15,000		
		Hand set	35	ea	200.00	7,000		
		Speaker (incl back box)	87	ea	200.00	17,400		
		Talkback speaker (incl back box)	35	ea	240.00	8,400		
		Exterior speaker WP	3	ea	500.00	1,500		
		Device box with conduit stubbed	35	ea	150.00	5,250		
		Low voltage cabling	15,000	lf	1.35	20,250		
		Interfacing	1	ls	2,000.00	2,000		
		Allow for j-hooks	1,875	ea	7.00	13,125		
		5	, ,0		,	0, 0		
		SUBTOTAL					300,060	
							0 /	
	D=040	OTHED ELECTRICAL SVSTEMS						
	D3040			1-				
		Anowance for permits	1	15	1,500.30	1,500		
		Allowance for final clean	1	ls	10,000.00	10,000		
		SUBTOTAL					11 500	
		SUDIVIAL					11,500	
		TOTAL - ELECTRICAL						\$316,560

E CORDORATED UNST	Comm To Capital R	onwealth of Mas Wn of Belr Request #F	sachusetts nont Y 23 CBR-2		
Department: Fire	Title: Air Packs				
Description: Requesting funds to replace outdated air packs with equipment that meets the current standard. The current air packs are 10 years old and are beginning to experience frequent breakdowns (cost for repairs in past 12 months \$2500). More than the cost for repairs, the downtime for the equipment has become a problem. Current air packs are also 2 editions behind for NFPA safety standards. We are unable to employ current safety standards for air management with this equipment.					
Location (if available)					
FY 23: \$376584	FY 24: \$	FY 25: \$	FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$3765	584		
Project Category: Equi	pment	Project Type: Replacem	ient		
Basis For Estimate: Qu	ıote	Life Expectancy: 10			
Operational Cost Impa	ct: Decrease to expenses	5			
Note: After capital inve much less. There woul	estment the cost to main d be few if any repairs n	tain the appropriate num eeded compared to week	ber of air packs would be kly repairs now.		
Urgency: 2 - System is	likely to fail				
Note: Current air packs require excessive repair. Experiencing weekly repairs to keep the air packs in service. Two new standards have been published since purchase with increased safety practices and upgrades to the air packs.					
Previous Phases: No					
Can This Be Phased: N	10				
Grants: Grants are ava	ilable but not secured				

Sales Order



Bill To:

Industrial Protection Services, LLc

33 northwestern Dr. Salem NH 03079 125 Roberts Rd, Ste 4, South Portland, ME 04106 www.ipp-ips.com

	Date:	15-Oct-2021	
Ship to:	Chief David	Chief David DeStefano	
	Belmont Fir	e	
	299 Trapelo	Rd	
	Belmont MA	02478	
	Ship to:	Date: Ship to: Chief David Belmont Fir 299 Trapelo Belmont MA	

Salesperson	Shipping Method	Purchase Order No
Danielle Elliott	UPS Gnd	budget planning

Qty	Item #	Description	Each Price	Line Total
40	X8915025005304	Scott X3Pro Air-Pak 5500psi - w/ quick connect	6,799.00	271,960.00
		and snap change - E-Z flow regulator		
55	200970-01	Scott 5.5 45min cylinders	1,361.58	74,886.90
25	200970-01	Scott 5.5 45min cylinders		
40	201215-02	Scott AV-3000HT facemask	313.00	12,520.00
2	200954-05	Scott RIT Pak III - 5.5 AV3000-HT face mask	3,423.00	6,846.00
2	200973-01	Scott 60min Carbon cylinder	1,512.00	3,024.00
		price is per Mas State contract FIR04		
•	·			

Danielle Elliott

Quoted Freight Charges TBD

\$

369,236.90

 Email:
 delliott@ipp-ips.com

 Cell: 617-590-3382
 Fax: 978-658-0257

1	BEL	MO	VI	
E		È.	•	HIN I
13			THE	3

Commonwealth of Massachusetts Town of Belmont

Capital Request #fy21sub-57

Department: Title: Fire Ambulance Replacement

Description: This appropriation from EMS Revenue will be \$80,000 per year for 5 years resulting in the purchase of a new vehicle using \$400,000. In purchasing a vehicle in 2021 to replace a 10-yearold ambulance the department has encountered conditions where prices have risen sharply. This appropriation will help ensure adequate funds are available to continue to replace the ambulance in five years. The department will also maintain diligence in monitoring cost trends throughout the five-year span.

Location (if available):

FY 23: \$80000	FY 24: \$80000	FY 25: \$80000	FY 26: \$80000	
FY 27: \$80000	FY 28: \$	FY 23 – 28 Total: \$400000		
Project Category: Vehicle		Project Type: Replacement		
Basis For Estimate: Quote		Life Expectancy: 10		

Operational Cost Impact: Neutral

Note: Newer vehicles have lower maintenance and repair costs.

Urgency: 4 - Has outlived its useful life

Note:

Previous Phases: Yes

Can This Be Phased: Yes

Grants:



Commonwealth of Massachusetts Town of Belmont

Capital Request #fy21sub-58

Department:	Title:
Fire	Cardiac monitor replacement

Description: Annual request of \$7,000 to replace cardiac monitor after five years. Funds from ambulance revenues. A new monitor is scheduled for purchase in FY 23. The cost will be approximately \$37,000 with a trade-in. A modification of the annual allotment allowing \$10,000 per year for five years is being requested in order to ensure the ability purchase a new monitor in 2028. The technology and capability of this equipment is constantly being updated. In order to allow paramedics to perform the latest advanced interventions our equipment must keep pace.

Location (if available):

FY 23: \$7000	FY 24: \$10000	FY 25: \$10000	FY 26: \$10000		
FY 27: \$10000	FY 28: \$10000	FY 23 – 28 Total: \$57000			
Project Category: Equi	ipment	Project Type: Replacen	nent		
Basis For Estimate: In-	-house estimate	Life Expectancy: 10			
Operational Cost Impa	ct: Neutral	•			
Note:					
Urgency: 2 - System is	Urgency: 2 - System is likely to fail				
Note:					
Previous Phases: Yes					
Can This Be Phased: Y	Can This Be Phased: Yes				
Grants:					

CRUCE LMONTON	Comm To Capital F	onwealth of Mas wn of Bel i Request #F	ssachusetts mont Y 23 CBR-3			
Department:	Title: Power I and Ambulance	a Cot System				
Description: This system will be installed in the new ambulance currently on order. It allows patients to be loaded safely into the ambulance. The system greatly lessens the chance for firefighter injury from lifting patients and cot into the ambulance. It also prevents patients from being dropped while lifting into the ambulance and provides a safe connection of the cot to the vehicle lessening the chance for patient injury in the event of a crash.						
Location (if available)		1	1			
FY 23: \$42000	FY 24: \$	FY 25: \$	FY 26: \$			
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$420	00			
Project Category: Equipment Project Type: Ne						
Basis For Estimate: Qu	ıote	Life Expectancy: 10				
Operational Cost Impact: Decrease to expenses						
Note: Similar system is in current rescue and has resulted in preventing employee injuries during patient loading and prevents injuries to patients as the cot is securely locked in prior to transport.						
Urgency: 6						
Note: Needed equipme does not allow this sys	ent for new rescue truck tem to be included in the	currently being ordered. e order.	. The base cost of the vehicle			
Previous Phases: No						
Can This Be Phased: N	Jo					
Grants: State/Federal funding is available but not secured						

stryker

Quote Date:

Expiration Date: 12/28/2021

NEW AMB- Powered System w Trade

09/29/2021

Quote Number:	10436302	Remit to:	Stryker Medical
			P.O. Box 93308
Version:	1		Chicago, IL 60673-3308
Prepared For:	BELMONT FIRE HEADQUARTERS	Rep:	Robert Stewart
	Attn:	Email:	robert.stewart@stryker.com
		Phone Number:	

Bill To Account Delivery Address End User - Shipping - Billing BELMONT FIRE HEADQUARTERS BELMONT FIRE HEADQUARTERS BELMONT FIRE HEADQUARTERS Name: Name: Name: Account #: 1267707 Account #: 1267707 Account #: 1267707 Address: 299 TRAPELO RD Address: 299 TRAPELO RD Address: 299 TRAPELO RD BELMONT BELMONT BELMONT Massachusetts 02478-1855 Massachusetts 02478-1855 Massachusetts 02478-1855

Equipment Products:

	Product	Description	Qty	Sell Price	Total
1.0	639005550001	MTS POWER LOAD	1	\$23,200.34	\$23,200.34
2.0	650605550003	Power-PRO XT MTS High: Dual wheel lock, x-restraint package, retractable head section 02 bottle holder, 3- stage IV pole PR, equipment hook, H/E storage flat, XPS side rail, XPS mattress, Knee-Gatch, Dual compatibility, backrest storage pouch, steer-lock	1	\$21,267.69	\$21,267.69
			Equipment Total:		\$44,468.03

Trade In Credit:

Product	Description	Qty	Credit Ea.	Total Credit
TR-SPCOT-PPXT	TRADE-IN-STRYKER POWER COT TOWARDS PURCHASE OF POWERPRO XT	1	-\$2,500.00	-\$2,500.00

Price Totals:

/Shinoing:	ght/Shipping:
/Shipping:	/Shipping:
hinning	hipping:

Prices: In effect for 90 days

Terms: Net 30 Days

1 Stryker Medical - Accounts Receivable - <u>accounts receivable@stryker.com</u> - PO BOX 93308 - Chicago, IL 60673-3308

CRUCE LMON	Comm To Capital R	onwealth of Mas wn of Belr Request #F	sachusetts nont Y 22 CBR-3
Department: Fire	Title: Replace Staff Car		
Description: Staff car a currently assigned to F Prevention. The new p police hybrid vehicles) and support Emergency	assigned to the fire chief ire Prevention. The curr urchase will be a Ford In It shall be upfitted with y Management functions	This will replace a 10-y ent chief's vehicle (2017 nterceptor/SUV hybrid m equipment necessary to s.	vear-old (2013) vehicle) will be assigned to Fire nodel (similar to current operate Incident Command
Location (if available):	if available):		
FY 23: \$75000	FY 24: \$	FY 25: \$ FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$75000	
Project Category: Vehi	cle	Project Type: Replacement	
Basis For Estimate: In-	house estimate	Life Expectancy: 10	
Operational Cost Impa	ct: Neutral	·	
Note: New vehicles ha for service in law enfor where appropriate to hy	ve lower maintenance and reement and fire service ybrid technology.	nd repair costs. Hybrid n applications and we will	nodels have proven usable l begin to transition our fleet
Urgency: 3 - System ha	as needed unanticipated	repairs	
Note: Detailed fleet ev	aluation will be presente	ed to Capital Budget Cor	nmittee.
Previous Phases: No			
Can This Be Phased: N	lo		
Grants:			

Vehicle to be Replaced

Make: Ford

Model: Interceptor SUV

Year:2013

Mileage:75,000

Maintenance Costs (last 2 FY's): \$1244.00 (previous 12 months- will need to research additional year)

Repurpose Plan (if any): No

Given to Another Department (which one): Trade-in Value (dollar amount):

New Vehicle

Make: Ford

Model: Interceptor SUV (hybrid)

Year:2023

Engine Type: Hybrid gas/electric

Estimated Purchase Price (please provide an official proposal no older than 90 days): **

Estimated Useful Life: 10 years

** Total price includes vehicle, upfit for command use and firefighting equipment, radios, warning package, graphics. Based on Tahoe currently in process the \$75,000 requested will be sufficient. Although their vehicles have less upfitting I have reached out to PD to get the base cost of their last Interceptor SUV purchase.



BELMONT

FIRE DEPARTMENT

CAPITAL BUDGET

NEEDS ASSESSMENT

FY 2023

& BEYOND

BELMONT FIRE DEPARTMENT

MISSION STATEMENT

The mission of the Belmont Fire Department is to protect the lives and property of our community from fires, natural disasters, accidents, hazardous materials incidents, and other causes. We will save lives by providing exceptional emergency medical care and prevent harm through public education and community risk reduction activities. We will remain community-focused, diligent, and loyal to our duty.

This information has been assembled to inform the Capital Budget Committee on the Fire Department's current and future capital needs. The items contained in this report are those that are known at the time of this report and may change in future years as the Department's needs change. The cost estimated for future projects are the best estimate of what current costs are, and will be adjusted annually as a report is prepared.

We have looked at each upcoming project and have adjusted the Fire Department's Capital Budget program. As you are aware, many of these items appear on a department's list many years before they are needed. Over time the needs of the department, emerging best practices and technology, as well as usable service life may change. This necessitates yearly review and potential revision of longer term goals and projects. These longer range projections may require cost modification over time as the acquisition cost of certain resources may increase at varying rates. At the Capital Budget Committee's request we have also tried to space out our "larger" vehicles out over different fiscal years.

Creative use of Resources

The Fire Department will adhere to its mission with the protection of life and property utmost in our mind. Remaining community focused and diligent the department will continually seek creative resource solutions that enhance our ability to provide service with the greatest economy of financial resources. Annual review has allowed us to make some changes to the schedule for replacement. The Department will continue to seek out and apply creative funding resources to aid the acquisition of supplies and equipment. At the time of this draft the department has undertaken an effort to fund new equipment acquisition through grants.

The Fire Department applies a risk versus benefit analysis during incident operations, and completes a similar standard of measure when making financial decisions. Conducting a 360 degree analysis of viable options often includes consideration of current and emerging standards and trends as well as consideration of longevity and potential liability associated with decisions, or lack thereof.

The Fire Department will make the best effort possible to provide the Capital Budget Committee with

accurate projections of equipment needs and the anticipated replacement time and cost. In some instances a purchase may be deferred for one year without a major operational or cost impact. Due to the nature of emergency services there may be situations where critical items may not be deferred without an impact on public safety. In addition, some pieces of equipment may age out of their cost effective or safe service life slightly faster than anticipated. These situations will be identified in our yearly review. The fire department respects the difficult task of the Capital Budget Committee and will strive to accurately forecast and request equipment for safe and efficient operations on a basis where if approved accordingly our mission readiness will be properly maintained.

Update on Current Projects

FY2020

Replace Fire Pumper

The fire pumper that was ordered in January 2020 **has been delivered** and is in service at Engine Co. 2 on Leonard Street. This delivery was fraught with a long delay due to the COVID 19 pandemic. However, the apparatus is now protecting life and property and responding to a multitude of different calls for service. Engine 2 has performed well and is expected to provide an excellent service life to the fire department and the citizens of Belmont.

FY2022

Replace Portable Radio Equipment

The portable radios carried by members of the Operations Division **have been received** and will be in full service as this document is submitted. They feature current digital technology as well as the latest NFPA standard for thermal protection which the radios that they replaced were lacking.

FY2022

Shift Commander's Response Vehicle

An order for the new Shift Commander's vehicle has been executed. However, due to the current status of new vehicle deliveries the dealer is unable to provide a dependable delivery date. When it arrives locally, plans have been made for up-fitting of the vehicle to provide comprehensive Incident Command and communication capability as well as meet the current standard for the storage of firefighting PPE.

FY 2022 Ambulance Replacement

The fire department has organized a committee to analyze specifications for the new ambulance to be purchased this fiscal year. The committee has been in discussion with the apparatus dealer and has learned that the delivery of this vehicle will be significantly impacted by the on-going new vehicle shortage. In addition, the cost of a new ambulance of similar specification to our current model has risen beyond what was originally anticipated by previous capital Budget forecasts. The fire department is currently working to creatively address this issue.

FY 2023 Requests

FY 2023 Replace Cardiac Monitor

An annual allotment of \$7,000 to provide sufficient funds to replace one cardiac monitor on a five year schedule.

FY2023 Ambulance Replacement Installment

An annual allotment of \$80,000 to provide sufficient funds for the next ambulance replacement in 2027.

FY 2023 Replace Staff Car

This request will replace a 2013 Ford Interceptor (pictured) currently assigned to the Fire Prevention Division that has over 74,000 miles on the odometer. The Fire Prevention Division will be assigned a 2017 Ford Interceptor currently used by the Chief of Department. The department will purchase a replacement vehicle that is outfitted with equipment used by the Chief for emergency response and incident command and communications. The vehicle will contain capabilities to support all fire and rescue command elements as well as emergency management functions. The expected cost to obtain and equip this vehicle is \$75,000.



FY 2023 Purchase Power Load Ambulance Cot Sys.

This request will allow the fire department to outfit the new ambulance (FY2022) to be outfitted with the same type of patient loading system as has been used in the 2017 ambulance. This system has proven safer for patient and firefighter/paramedics alike. It prevents missing safety hooks when loading and potential career-ending back injuries. Additional documentation may be found within this packet. The cost to purchase this system is approximately \$42,000.





FY 2023 Air Pack Replacement

The fire department currently uses Scott 4.5 Self Contained Breathing Apparatus (air packs) equipped with 30 minute air cylinders (bottles). These air packs will be 10 years old in May 2022. We find that when tested for serviceability several air packs are often sent out for repair each week. This is an escalating cost, but more importantly a potential life safety hazard should an air pack malfunction during incident operations. The air packs met NFPA standards when purchased, however two sets of new standards with significant safety updates have been issued since that time. The current air packs make compliance with the accepted best practice for air management very

In addition to the air pack systems being outdated the cylinders (air bottles) have a serviceable life after which they will no longer be certified for use. Through attrition the department had found itself with a low supply of spare cylinders often needed for longer duration operations or training evolutions. As a temporary solution we were able to obtain at no cost, cylinders from another area fire department that had upgraded their system. This has allowed us to refrain from purchasing additional cylinders that are part of an outdated system. With ALL our cylinders scheduled for their last possible certification testing in 2022 we would like to avoid having to expend resources on the cost of testing and potentially



needing to purchase replacements for the old air cylinders. The fire department anticipates the cost to purchase the new air packs at approximately \$377,000. Pictured is a new Scott 5.5 Self Contained breathing Apparatus.

Project Deferral

difficult at best.

The fire department has analyzed the performance of the current pumper in service at Engine Co. 1 as well as the status of the pumper recently placed in reserve as Engine Co. 4. In so doing we have found that the pumper scheduled for purchase in FY 2023 may be deferred until FY 2024.

Summary

The table in the next section projects the known and anticipated capital expenses for the upcoming years. Cost estimates are developed using **today's** known costs or estimates. For larger apparatus there has been a flat 4% escalation per year included in the estimate, to provide a more realistic estimate of the future cost. It should be noted that most specialized equipment has extremely long lead times with apparatus lead time being a year or more. These projections are not a complete list of needs but the currently anticipated. Additional items, not in this capital budget report, may appear in future years. The Department actively seeks funding through grants and gifts to mitigate the impact on the Capital Budget and the Capital portion of the Operating Budget.



The Fire Department understands and appreciates the work that the Capital Budget Committee must accomplish given the limited financial resources available. We look forward to discussing the Department's capital needs with the Town Administrator and the Capital Budget Committee.

Fire De	partm	ent Capital Budget		
Fiscal	Priority	Item	Current	Notes
Tear	TT' 1		Cost	
2023	High	Replace Staff Car	\$75,000	
2023	High	Replace cardiac monitor	\$7,000	From EMS Revenue 5 years contributions
2023	High	Ambulance Replacement	\$80,000	From EMS Revenue
2023	High	Power Load Cot System	\$42,000	
2023	High	Replace Air packs	\$370,000	
2023		10(8)	\$ 002,000	
2024			¢10.000	
2024	TT: 1	Replace Cardiac Monitor	\$10,000	From EMS Revenue
2024	High	Ambulance Replacement	\$80,000	From EMS Revenue
2024	High	Replace 2005/2014 Engine	\$840,000	
2024			\$930,000	
2025	High	Replace Cardiac Monitor	\$10,000	From EMS Revenue
2025	High	Ambulance Replacement	\$80,000	From EMS Revenue
2025	TT: 1	Replace Staff Vehicle	\$75,000	
2025	High	Total	\$165,000	
2025			\$105,000	
2026	High	Ambulance Replacement	\$80,000	From EMS Revenue
2026	High	Replace Cardiac Monitor	\$10,000	From EMS Revenue
2026	High	Replace Shift commander's	\$85,000	
	e	Response Vehicle		
2026		Total	\$175,000	
2027	High	Ambulance Replacement	\$80,000	From EMS Revenue
2027	High	Replace Cardiac Monitor	\$10,000	From EMS Revenue
2027		Replace Shift Commander's Response Vehicle	\$85,000	
2027		Replace 2005 Engine	974,000	Replace 22 year old pumper
2027		Total	\$1,059,00	
2029		Replace 2014 Ladder Truck	\$1,616,000	Replace 15 year old ladder truck 30 year old reserve
2034		Replace 2019 Engine	1,248,000	

FIRE DEPARTMENT FLEET VEHICLE REPORT February 2021

We have developed a practice of requesting a vehicle in the Capital Budget Program in the year replacement is projected. We have developed a plan to maximize the use of a vehicle and to minimize the expense to the taxpayers. A constant evaluation is conducted on vehicle usage and vehicle condition. This evaluation allows the Department flexibility to transfer vehicles within the Department to meet our goals.

Vehicles are broken up into different categories. Large apparatus response vehicles are engines and ladder trucks. These vehicles are the most expensive but generally are in "front line" service responding to calls for 10 to 15 years. The second category is the cars or staff vehicles. We continue to experience better service with these vehicles now than in previous years. This experience has allowed us to revise our current replacement strategy. It should be noted that after approximately six years of day in and day out fire response, the cost to maintain and operate these vehicles increases (negative effect on operating budget). For vehicles used for administrative or staff duties the life expectancy of a vehicle is approximately ten years (again this may require rotating vehicles within the Department to maximize life expectancy). We have not experienced good service or reliability on vehicles that are required to be in service beyond 10 years. History has shown that these assumptions have proven true.

As previously mentioned the Department has explored alternate fueled environmentally friendly vehicles (AFV). With more AFV being designed and manufactured specifically for public safety use there are more options available. The Department will explore the options available for a cost effective AFV that also meets the Department's needs.

					REP	AIRS LAST
VEHICLE	VEHICLE	ASSIGNMENT	MILEAGE	HOURS	12	MONTHS
CAR 1	2017 FORD INTERCEPTOR	Chief	52,400		\$	1,091.00
CAR 2	2017 FORD INTERCEPTOR	Assistant Chief	50,528		\$	228.00
CAR 3	2015 FORD EXPEDITION	Shift Commander	30,966		\$	1,419.00
CAR 4	2013 FORD INTERCEPTOR	Fire Prevention	74,285		\$	1,244.00
CAR 5	2015 FORD F-150	Training Officer	16,637		\$	821.00
CAR 6	2007 FORD EXPEDITION	Spare	65,761		\$	101.00
SQUAD 1	2008 FORD F-550	Utility	25,522	1835	\$	3,246.00
ENGINE 1	2014 E-ONE PUMPER	Headquarters	36,450	4485	\$	5,213.00
ENGINE 2	2021 E-ONEPUMPER	Station 2	1,791	158	\$	185.00
ENGINE 3	2008 INT'L 7300 PUMPER	Station 2 (Reserve)	10,630	N/A	\$	4,067.00
ENGINE 4	2005 E-ONE PUMPER	Headquarters (Reserve)	77,166	9611	\$	23,800.00
LADDER 1	2014 E-ONE LADDER	Station 2	18,504	2942	\$	18,441.00
LADDER 2	1999 E-ONE LADDER	Station 2 (Reserve)	68,400		\$	6,991.00
RESCUE 1	2017 FORD/ HORTON F-550	Headquarters	51,640		\$	5,625.00
RESCUE 2	2012 FORD/HORTON F-450	Headquarters (Reserve)	70,189		\$	1,288.00
TECH RESCUE	TECH RESCUE TRAILER	Headquarters				
BOAT TRAILER	RESCUE BOAT TRAILER	Station 2				
SPILL RESPONSE	SPILL RESPONSE TRAILER	Headquarters				
				TOTAL	\$	73,760.00

stryker

Quote Date:

Expiration Date: 12/28/2021

NEW AMB- Powered System w Trade

09/29/2021

Quote Number:	10436302	Remit to:	Stryker Medical
			P.O. Box 93308
Version:	1		Chicago, IL 60673-3308
Prepared For:	BELMONT FIRE HEADQUARTERS	Rep:	Robert Stewart
	Attn:	Email:	robert.stewart@stryker.com
		Phone Number:	

Bill To Account Delivery Address End User - Shipping - Billing BELMONT FIRE HEADQUARTERS BELMONT FIRE HEADQUARTERS BELMONT FIRE HEADQUARTERS Name: Name: Name: Account #: 1267707 Account #: 1267707 Account #: 1267707 Address: 299 TRAPELO RD Address: 299 TRAPELO RD Address: 299 TRAPELO RD BELMONT BELMONT BELMONT Massachusetts 02478-1855 Massachusetts 02478-1855 Massachusetts 02478-1855

Equipment Products:

	Product	Description	Qty	Sell Price	Total
1.0	639005550001	MTS POWER LOAD	1	\$23,200.34	\$23,200.34
2.0	650605550003	Power-PRO XT MTS High: Dual wheel lock, x-restraint package, retractable head section 02 bottle holder, 3- stage IV pole PR, equipment hook, H/E storage flat, XPS side rail, XPS mattress, Knee-Gatch, Dual compatibility, backrest storage pouch, steer-lock	1	\$21,267.69	\$21,267.69
			Equipr	nent Total:	\$44,468.03

Trade In Credit:

Product	Description	Qty	Credit Ea.	Total Credit
TR-SPCOT-PPXT	TRADE-IN-STRYKER POWER COT TOWARDS PURCHASE OF POWERPRO XT	1	-\$2,500.00	-\$2,500.00

Price Totals:

/Shinoing:	ght/Shipping:
/Shipping:	/Shipping:
hinning	hipping:

Prices: In effect for 90 days

Terms: Net 30 Days

1 Stryker Medical - Accounts Receivable - <u>accounts receivable@stryker.com</u> - PO BOX 93308 - Chicago, IL 60673-3308

Sales Order



Bill To:

Industrial Protection Services, LLc

33 northwestern Dr. Salem NH 03079 125 Roberts Rd, Ste 4, South Portland, ME 04106 <u>www.ipp-ips.com</u>

SERVICES, CC	_	Date:	15-Oct-2021
Chief David DeStefano	Ship to:	Chief David	DeStefano
Belmont Fire		Belmont Fire	
299 Trapelo Rd		299 Trapelo	Rd
Belmont MA 02478		Belmont MA	02478

Salesperson	Shipping Method	Purchase Order No
Danielle Elliott	UPS Gnd	budget planning

Qty	Item #	Description	Each Price	Line Total
40	X8915025005304	Scott X3Pro Air-Pak 5500psi - w/ quick connect	6,799.00	271,960.00
		and snap change - E-Z flow regulator		
55	200970-01	Scott 5.5 45min cylinders	1,361.58	74,886.90
25	200970-01	Scott 5.5 45min cylinders		
	201015.00		212.00	10 500 00
40	201215-02	Scott AV-3000HT facemask	313.00	12,520.00
2	200054.05		2 422 00	C 84C 00
2	200954-05		3,423.00	0,840.00
2	200973-01	Scott 60min Carbon cylinder	1,512.00	3,024.00
		price is per Mas State contract FIR04		

Danielle Elliott

Quoted Freight Charges TBD

\$

369,236.90

 Email:
 delliott@ipp-ips.com

 Cell: 617-590-3382
 Fax: 978-658-0257



BELMONT FIRE DEPARTMENT HEADQUARTERS

HEADQUARTERS 299 TRAPELO ROAD BELMONT, MASSACHUSETTS 02478



TELEPHONE 617-993-2200 FAX 617-993-2201

DAVID DESTEFANO, MPA CHIEF OF DEPARTMENT

November 12, 2021 Anne Marie Mahoney, Chair Capital Budget Committee Town Hall Belmont, MA 02478

Dear Ms. Mahoney and Committee,

The Fire Department would like to take this opportunity to update you on its Capital Budget projects and plan for mission sustainability into the future with regard to equipment needs. We will continue to forecast our needs as accurately as possible into the future in order to assist you in maintaining effective management of the Town's financial resources.

Our FY 2023 request is listed below and supported in the attached material. Please don't hesitate to contact me at your convenience if you have any questions or would like additional information.

FY 2023 Request

- Replace Staff Car \$75,000
- Replace cardiac Monitor \$35,000
- Yearly contribution toward next Ambulance Replacement \$80,000
- Replace Self-Contained Breathing Apparatus (air packs) \$370,000
- Purchase Power Lift Ambulance Stretcher Load System \$42,000

Thank you for your continued support.

Respectfully submitted,

David DeStefano Chief of Department

A CORPORATED IN	Comr To Capital R	nonwealth of Mas Own of Beli Request #FY	sachusetts nont 23 CBR-26	
Department:	Title:			
Information Technology	Fiber Reconfiguration	Burbank/Wellington		
bescription: Burbank a the High School or Ch fiber terminations at th Please see attached pro	and Wellington are to be enery, or both. The obje le Library. oposal for complete des	e spliced into the backbol ective is to remove the ab cription.	ne network for assignment to ove sites from the current	
Location (if available)		FY 25: \$ FY 26: \$		
FY 23: \$20000	FY 24: \$	$\frac{ \mathbf{F} ^2 2.5}{ \mathbf{F} ^2 23 - 28 \text{ Total} \cdot \$20000}$		
Project Category: Equi	$\frac{27:5}{\text{Prior}} = \frac{FY 28:5}{FY 23 - 28 \text{ lotal: } $20000}$			
Basis For Estimate: Ou	r Estimate: Quote Life Expectancy: 25			
Operational Cost Impa	ct: Neutral		J <u></u>	
Note:				
Urgency: 6				
Note: Continued Fiber	Construction to eliminate	ate hub at Library.		
Previous Phases: Yes				
Can This Be Phased: N	10			
Grants: Have not been	identified			



Belmont Public Schools Scope of Work ITC 68 Fiber Optic Municipal Area Network Network Reconfiguration – Burbank/Wellington

8 8			
Prepared by:	Comm-Tract	Contact:	Bryan Hopkins
	235 Summer Road Bldg. 4	Telephone:	(781) 890-5070 x6952
	Boxborough, MA 01719	Email:	bhopkins@comm-tract.com
Date:	October 18 th 2021		
Bid No. Belmont FMAN – Reconfig Burbank/Wellington V.01			
SPIN:	143008129	8	
ITC 54:	VC 6000166632		
FCC Registration:	0024175408		
Bill To:		Ship To:	
Company:	Belmont Public Schools	Company:	Belmont Public Schools
Address:	221 Concord Avenue	Address:	221 Concord Avenue
	Belmont, MA 02478		Belmont, MA 02478
Contact Name:	Steve Mazzola	Contact Name:	Steve Mazzola
Phone:	(617) 993-5455	Phone:	(617) 993-5455
Fax:		Fax:	
Email:	smazzola@belmont.k12.ma.us	Email:	smazzola@belmont.k12.ma.us

Description of Work

This Scope of Work (SOW) that follows was developed in with information as provided by the Belmont Public Schools (BPS) IT personnel and has been supplemented by field site surveys as conducted by Comm-Tract engineers to develop the design for the changes to the network. Comm-Tract will provide and install the following fiber optic municipal area network (FMAN)

reconfiguration changes and additions:

A. Sites:

- 1. Wellington Elementary School 121 Orchard Street
- 2. Burbank Elementary School 266 School Street

B. Overview of the Project:

- 1. The sites above are to be spliced into the backbone network for assignment to the High School or Chenery, or both. The objective is to remove the above sites from the current fiber terminations at the Library as follows:
- 2. The existing splice case at BMLD manhole (MH) 178 will be replaced due to its existing condition, and the current 12 strand single mode fiber (SMF) and the existing 12/12 (MMF and SMF) to Burbank ES and Wellington ES will be re-spliced to a new 24 strand SMF that will be installed to the existing splice point at School and Goden. (The actual repair is under separate SOW.) Page 1 of 6

Proprietary and Confidential

Comm-Tract Corp 235 Summer Road Bldg. 4 Boxborough, MA 01719 (781) 890-5070 bhopkins@comm-tract.com



Belmont Public Schools Scope of Work ITC 68 Fiber Optic Municipal Area Network Network Reconfiguration – Burbank/Wellington

- 3. One (1) new 24 strand SMF will be installed from the Pool to the spice point at School and Goden.
- 4. One (1) new 48 strand SMF will be installed from the School/Goden splice case to the 36 strand splice case at the end of Goden and the fiber strands allocated by BPS IT will be spliced into the backbone network.
- 5. All work will be fully complete including all fiber splicing at the pole location for the fiber lateral into the building, the fiber entrance cable, the fiber termination panels, the connectors, and all other materials for a complete and fully functional fiber termination in the communications room of each individual site.
- 6. The new High School Network Hub Communications Room will utilize the existing high-density Single Mode Fiber (SMF) SC/PC rack mount housing and have the associated termination panel installed.
- 7. Both the backbone and lateral fiber cables will be field terminated using SC/PC single-mode connectors.
- 8. All backbone fibers throughout the network will be fusion spliced.
- 9. All optical testing will conform to industry standards.
- 10. The customer shall receive OTDR traces and Power Meter Test results at both 1310nm and 1550nm.
- 11. All test data will be compiled in electronic copy.

C. Notes:

- 1. Pricing assumes access to the aerial routes, and/or conduit systems is not restricted in any way, and Comm-Tract will have free and clear access for installation purposes.
- 2. Pricing assumes the Customer would utilize existing location agreements with the carrier and/or utility for rights to the municipal space on the poles and/or conduits for the route(s).
- 3. Pricing assumes the project is installed in one deployment. Should any site(s) not be ready for installation and require return trip(s) additional costs may apply.
- 4. Customer is responsible for providing trash receptacle for non-hazardous waste disposal of fiber cable scrap, wooden fiber reels, and corrugated shipping boxes.

Comm-Tract Corp 235 Summer Road Bldg. 4 Boxborough, MA 01719 (781) 890-5070 bhopkins@comm-tract.com Proprietary and Confidential


Overview Map of Reconfigurations and Additions:



Page 3 of 6

Comm-Tract Corp 235 Summer Road Bldg. 4 Boxborough, MA 01719 (781) 890-5070 bhopkins@comm-tract.com



	Bill of Materials	
Quantity	Description	

To be provided with final submittals on the project

Page 4 of 6

Comm-Tract Corp 235 Summer Road Bldg. 4 Boxborough, MA 01719 (781) 890-5070 bhopkins@comm-tract.com



Warranty Information - Technical and Compliance Notes:

The Comm-Tract provided warranty and technical compliance with design and installation standards information is provided below as associated with this scope of work.

- Comm-Tract is a certified provider and partner for the Manufacturer and provides a 25 Year Warranty.
- The 25 Year Warranty commencing on the date of an accepted installation by the Customer covers all Manufacturer's products and materials, and covers the repair, and/or replacement of all installed components including, but not limited to fiber cable, fiber connectors, fiber patch panels, fiber jumpers and patch cords, and other materials as installed.
- The repair and/or replacement of any component in the certified and approved network solution as provided and installed by Comm-Tract under the 25 Year Warranty is provided at no cost to the Customer over the period of the 25 Year Warranty.
- Comm-Tract adheres to the following design and installation standards relative to the scope of work as provided.
- BICSI Design and Installation Applicable Standards
- Telecommunications Industry Association (TIA) Applicable Standards
- Electronics Industry Association (EIA) Applicable Standards
- ANSI/TIA/EIA 568 Standards
- ANSI/TIA/EIA 569 Standards
- TIA/EIA 604 Fiber Optic Standards
- TIA-492 Fiber Optic Installation Standards
- TSB-149 Fiber Optic Workmanship Standards
- IEEE 802.3 Standards

Comm-Tract Corp 235 Summer Road Bldg. 4 Boxborough, MA 01719 (781) 890-5070 bhopkins@comm-tract.com



Pricing and Terms

Customer agrees to the following payment schedule:

30% Initial Payment upon Delivery of Materials:	\$ 5,010.00
65% Payment upon actual Project Progress:	\$ 10,855.00
5% Final Balance upon Completion:	\$ 835.00

- The Project Price shall be subject to adjustment in the event of any mutually agreed upon written changes made to the Scope of Work.
- Prices are valid for 90-days.
- The Project Price does not include licensing of pole or underground facilities.
- The Project Price does not include police details.
- The Project Price does not include permitting if applicable.
- The Project Price does not include any new underground construction.
- The Project Price does not include any applicable taxes as the project is tax exempt.
- The Project Price includes shipping charges.
- The Project Price assumes access to each location is free and clear for installation and all sites are ready for installation under a single deployment. Should a site not be ready, and return trip(s) are required, additional charges will apply.
- Comm-Tract will perform during normal business hours Monday through Friday, 7am to 3pm unless otherwise specified in the Description of Work.
- Customer hereby agrees to the terms and conditions set forth in the Scope of Work by signing below or issuing a Purchase order referencing this Scope of Work.
- This Scope of Work is governed by the terms and conditions of the Commonwealth of Massachusetts ITC 68 blanket contract.

Site Surveys, Design and Engineering:	Included
Materials:	Included
Labor:	Included
Certification and Warranty:	Included
Total	\$ 16,700.00

Customer Name:	
Authorized Signature:	
Name:	
Date:	

Page 6 of 6

Comm-Tract Corp 235 Summer Road Bldg. 4 Boxborough, MA 01719 (781) 890-5070 bhopkins@comm-tract.com

A CONTRACTOR DE LA CONT	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 22 CBR-22			
Department:	Title:			
Information	Increase Network Stora	ge		
Description: The proje This is to accommodat increase in file storage	Description: The project is to add disk storage to our SAN. This is to accommodate the need for increased resources for Virtual Servers as well as the need for increase in file storage capacity.			
Location (if available)		i	1	
FY 23: \$60000	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$600	00	
Project Category: Equipment Project Type: Replacement		nent		
Basis For Estimate: Ve	endor	Life Expectancy: 5		
Operational Cost Impact: Neutral				
Note:				
Urgency: 2 - System is	Urgency: 2 - System is likely to fail			
Note: Software updates to servers require more storage to effectively operate. Also, the increase in file creation requires more capacity. If storage is not available, servers will cease to function and files will not be able to be saved.				
Previous Phases: No				
Can This Be Phased: N	Can This Be Phased: No			
Grants: Have not been identified				

CORPORATUDUS	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-81			
Department:	Title:	· · ·		
Information Technology	Redundant fiber line to	antenna site		
Description: This is a request that affects all Town agencies with radios. We currently have a single fiber run from 460 Concord Ave that carries all Town radio connections to the main antenna site at 760 Concord Ave. A short distance of this run is underground, but the majority of the run is pole to pole. If a pole is knocked down it could knock out all Town radio systems.				
Location (if available):				
FY 23: \$150000	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$1500	000	
Project Category: Equi	pment	Project Type: New		
Basis For Estimate: Ot	s For Estimate: Other Life Expectancy: 10			
Operational Cost Impa	ct: Neutral			
Note: No Impact				
Urgency: 6	Urgency: 6			
Note: This request is to cover the Town in the event of a break or damage to the single fiber run and allow Town departments to continue to function at full radio capacity.				
Previous Phases: No				
Can This Be Phased: N	lo			
Grants: Have not been identified				

THE MONTHE	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-19			
Department:	Title: REID Tags and Equipment			
Description: RFID technology has been utilized more and more in public libraries over the last 10 years, and it's time for Belmont to take this step in service. With RFID tags in each physical item, citizens will be able to check out items faster, with less errors, and in some cases without the support of a staff member. This will not reduce the need for staff, but hopefully help to avoid the need to increase the amount of Library Assistant positions. This work should be completed before the opening of a new library.				
Location (if available):				
FY 23: \$32306	FY 24: \$	FY 25: \$ FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$32306		
Project Category: Public improvement Project Type: New				
Basis For Estimate: Qu	Basis For Estimate: Quote Life Expectancy: 20			
Operational Cost Impa	ct: Decrease to expenses	5		
Note: This function will help to change the way funds are used on staffing. We will not decrease staff, but alter the types of workflows that staff can perform. Less transactional focus, and more focus on programs and other information and technology services.				
Urgency: 5 - New: to address quality of life				
Note:				
Previous Phases: No				
Can This Be Phased: N	Can This Be Phased: No			
Grants:				



Bill To Belmont Public Libra Peter Struzziero 336 Concord Avenu P.O. Box 125 Belmont MA 02478- United States	ary e 0904	Ship To Belmont Public Library Peter Struzziero 336 Concord Avenue P.O. Box 125 Belmont MA 02478-090 United States	04	
Quote	QUO-US02097	Date	08/1	9/2021
Customer:	C0000986-US	Payment Terms:	Net 3	0 Days
Quote Expiration:	11/19/2021	Sales Rep:	Dona	ld Jannazzo
Memo (External):	Pricing per MHEC L53 contract			
Item		Quantity	Net Price	Net Extended
Freight Standard S SHP000001-000	Service	1	950.00	950.00
RFID tag™ square TAG000010-000	(2,000/Roll)	75	280.00	21,000.00
RFID workstation s	shielded NA	6	895.00	5,370.00
bibliotheca RFID w STF313202-000	vorkstation™ USB	2	824.00	1,648.00
bibliotheca RFID w STF313202-000 Managing an RFID EDU090011-000	vorkstation™ USB Conversion	2 1	824.00 1,799.00	1,648.00 1,799.00
bibliotheca RFID w STF313202-000 Managing an RFID EDU090011-000	vorkstation™ USB Conversion	2 1 Total:	824.00 1,799.00	1,648.00 1,799.00 30,767.00

Terms and Conditions:

All prices including Service and Maintenance do not include any applicable sales tax. If tax exempt, A copy of Tax Exemption Certificate is required with purchase order for all taxexempt customers.

Terms are NET 30 Days from Date of Invoice. Invoice is generated at the time of Shipment.

Quotations are good for 60 days. All dates are based on ship dates. Order must ship within the 60-day window.

After 60 days, quotation expires. Contact Bibliotheca for a New Quotation.

A 20% restocking fee, in addition to in-bound and out-bound shipping, will be charged for all returns.

Submit Purchase Order by fax to 877-689-2269 or by email to orders-us@bibliotheca.com.



Accepted By: _____

Accepted Date: _____

Customer Purchase Order Number:





bibliotheca RFID workstation[™] shielded

desktop solutions designed to assist staff with administration activities

The workstation[™] shielded provides staff with a fast and efficient solution to programme and verify RFID tags. Library staff can now have the ability to add or remove item security without the LMS/ILS. The system can be used with multiple items of mixed media, placed on the antenna at any time.

Additionally, using our staffConnect[™] circ software, the workstation[™] allows staff to perform multiple item issue, return and renew processes at the staff desk using a direct link with the LMS/ILS, including the ability to print receipts for the customer.



benefits of the **RFID workstation shielded**

focused read area

A fully shielded antenna providing concentrated detection field mean that only items placed directly on the workstation[™] antenna will be detected.

compact design

Smaller in size, workstation[™] shielded allows you to work discreetly in more compact desktop environments.

multiple read capability

The workstation[™] antenna can read multiple stacked items of varying size, weight and thickness.



Specifications : bibliotheca RFID workstation[™] shielded

Dimensions (w x d x h):	350 mm x 280 mm x 15 mm
Shield:	fully shielded
Weight:	Kilograms 1.5 kg Pounds: 3.825 lbs
Power:	RFID reader connects to PC via USB; it is supplied with a localised plug-in supply (110V ac/60Hz or 240V ac/50Hz). The RF power output is 1.2 Watt and the workstation™ shielded conforms to CE and FCC.
Membership cards supported:	Barcode and RFID-enabled membership cards.
Software:	Our staffConnect [™] circ software will need to be installed on your existing PC, running Microsoft [™] Windows (XP SP3 or W7 32/64). Connection to the LMS/ILS is only required for some of the functionalities.
Options:	A receipt printer and/or barcode scanner can be added to any workstation™.

Although we make every effort to ensure information is correct at the time of release, it is possible that specifications and features may vary or change over time. bibliotheca therefore makes no representations or warranties as to the completeness or accuracy of the information contained within this document.







bibliotheca RFID workstation[™] USB

small form factor delivers ultimate in convenience

Small form factor utilizes tiny spaces

We know space can be a luxury, so we've designed the RFID Workstation USB to save you valuable real estate on any surface you wish to convert or process library materials.

Ideal as an extra conversion station

If you've got an extra set of hands to put to work, this portable RFID workstation can easily be set up as an extra station during your conversion process.

Use on-the-go out in the community

Portable by nature, the RFID Workstation USB is great to take on the road with you so you can offer quick and convenient transactions

Harness the power of a laptop

The RFID Workstation USB can be powered by USB, allowing you to freely work from any location, not just near a power outlet.



Specifications : RFID workstation™ USB

Computer (customer-supplied):	 For optimum utility as a portable system, select a computer capable of extended battery-powered operation. Windows® operating system (XP or later) 1024 x 600 min. screen resolution 2 USB ports minimum (required for RFID reader/pad and barcode scanner) Internal or USB external CD-ROM drive
RFID Workstation USB (USB cable included):	 Dimensions: 7.21 in. (18.3 cm) L x 6.44 in. (16.3 cm) W x 0.6 in. (1.5 cm) H Weight: 16 oz. (454 g) Read range: At least 6 in. (15.2 cm) with the tag in the center of the pad (Metal surfaces within two inches of the pad will reduce the pad's read range.) Operating temperature range: 50°F to 104°F (10°C to 40°C) Storage temperature range: -40°F to 131°F (-40°C to 55°C) Humidity: 0% to 85% RH, non-condensing
Conversion station software:	Customer-installed using internal or USB external CD-ROM drive or thumb drive
Datalogic™ QuickScan™ barcode reader (optional; USB cable and goose- neck stand included):	 Dimensions: 6.7 in. (17 cm) L x 2.8 in. (7.1 cm) H x 2.6 in. (6.6 cm) W Weight: 4.3 oz. (121.9 g) Interface/power source: USB cable to computer Operating temperature range: 32°F to 122°F (0°C to 50°C) Storage temperature range: -40°F to 158°F (-40°C to 70°C) Humidity: 5% to 95% RH, non-condensing Stand dimensions: 6.25 in. (15.9 cm) L x 9 in. (22.9 cm) max. H (flexible gooseneck) x 4 in. (10.2 cm) W Stand weight: 10.7 oz. (303 g)
Manual tag dispenser	Used to present blank RFID tags one at a time for programming with the RFID

Although we make every effort to ensure information is correct at the time of release, it is possible that specifications and features may vary or change over time. Bibliotheca therefore makes no representations or warranties as to the completeness or accuracy of the information contained within this document.

Workstation USB.



(optional):

ALL MOAT	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-4		
Department:	Title:		
Police	Install Uni-Directional	Radio Amplifier at 460	
Description: Install UI transmissions	DA in the lower area of	460 Concord Ave, to all	ow officers to receive radio
Location (if available)	:		
FY 23: \$30000	FY 24: \$	FY 25: \$	FY 26: \$
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$300	000
Project Category: Equi	uipment Project Type: New		
Basis For Estimate: Qu	e: Quote Life Expectancy: 7		
Operational Cost Impact: Neutral			
Note: No impact			
Urgency: 6			
Note: officers are now unable to hear if they are being called on the radio while in the lower area of the police station			
Previous Phases: No			
Can This Be Phased: No			
Grants: Have not been identified			

ALL MONTON	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 22 CBR-11			
Department:	Title:			
Description: This serve quality assurance softw	Description: This server controls and strores the Emergency Medical Dispatch software and the quality assurance software. This server was last replaced in FY17			
Location (if available)	:			
FY 23: \$12000	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$120	00	
Project Category: Equipment Project Typ		Project Type: Replacen	nent	
Basis For Estimate: In-	-house estimate	Life Expectancy: 5		
Operational Cost Impa	Operational Cost Impact: Neutral			
Note:				
Urgency: 4 - Has outlived its useful life				
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

THE MOATEN HIS	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 22 CBR-17		
Department: Public Works	Title: #55 Brush Chipper		
Description: Replace #	55 Brush Chipper		
Location (if available)			
FY 23: \$57950	FY 24: \$	FY 25: \$	FY 26: \$
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$579	50
Project Category: Equi	ipment	Project Type: Replacem	nent
Basis For Estimate: Qu	iote	Life Expectancy: 20	
Operational Cost Impact: Increase to expenses			
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs			
Urgency: 4 - Has outline	ved its useful life		
Note:			
Previous Phases: No			
Can This Be Phased: No			
Grants:			

DEL MOATEN INST	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-6			
Department: Public Works	Title: Public Shade Tree Inve	ntory & Health Assessm	ent	
Description: Public sha	ade tree inventory and h	ealth assessment.		
Location (if available)	:			
FY 23: \$55000	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$550	00	
Project Category: Publ	lic improvement	Project Type: New		
Basis For Estimate: In	-house estimate	Life Expectancy: 5		
Operational Cost Impa	ict: Neutral	·	•	
Note:				
Urgency: 5 - New: to a	address quality of life			
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

A REAL PROPERTY OF THE REAL PR	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-35			
Department:	Title:			
Public Works - Cemetery	$\frac{\#117 - 1700 4WD P1}{1}$	ck-up Truck		
Description: Replace #	4117 - 1 Ton 4WD Picl	k-up Truck		
Location (if available)				
FY 23: \$58310	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$583	10	
Project Category: Equi	ipment	Project Type: Replacen	nent	
Basis For Estimate: Qu	ıote	Life Expectancy: 8		
Operational Cost Impact: Decrease to expenses				
Note: Repair or Replace Cement Concrete Sidewalks and Granite Curbing as needed throughout the town.				
Urgency: 3 - System h	as needed unanticipate	ed repairs		
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

A CONTRACT OF THE STATE	^{Comn} To Capital	nonwealth of Mas WN of Beli Request #1	ssachusetts nont fy21sub-33	
Department: Public Works - Parks	Title: #108 - Small Front End	Loader		
Description: Replace #	108 - Small Front End I	Loader		
Location (if available)	•			
FY 23: \$112450	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$112	450	
Project Category: Equi	ipment	Project Type: Replacem	nent	
Basis For Estimate: Qu	uote	Life Expectancy: 15		
Operational Cost Impact: Decrease to expenses				
Note: Repair or Replace Cement Concrete Sidewalks and Granite Curbing as needed throughout the town.				
Urgency: 2 - System is	s likely to fail			
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

A CONTRACTOR OF STATES	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-34			
Department: Public Works – Parks	Title: #110 1 Top 4WD Big	t up Truck		
Description: Replace #	#110 - 1 Ton 4WD Pick-	up Truck		
Location (if available)				
FY 23: \$58310	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$583	310	
Project Category: Equ	ipment	Project Type: Replacer	nent	
Basis For Estimate: Qu	uote	Life Expectancy: 8		
Operational Cost Impact: Decrease to expenses				
Note: Repair or Replace Cement Concrete Sidewalks and Granite Curbing as needed throughout the town.				
Urgency: 3 - System h	as needed unanticipated	l repairs		
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

L. MONTON	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-16			
Department: Public Works - Sewer	Title: #2 - Administrative Hy	brid Vehicle		
Description: Replace #	⁴ 2 - Administrative Vehi	icle		
Location (if available)	:			
FY 23: \$56765	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$567	65	
Project Category: Equ	ipment	Project Type: Replacen	nent	
Basis For Estimate: Qu	uote	Life Expectancy: 8		
Operational Cost Impact: Decrease to expenses				
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.				
Urgency: 3 - System h	as needed unanticipated	l repairs		
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

ALL MOAP	Comr To Capital	nonwealth of Mas Own of Beli Request #1	sachusetts nont fy21sub-13	
Department: Public Works - Sewer	Title: #21 - 1 Ton 4WD Pick	-up Truck		
Description: Replace #	#21 - 1 Ton Pick-up True	ck		
Location (if available)	:			
FY 23: \$58310	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$583	10	
Project Category: Equ	ipment	Project Type: Replacen	nent	
Basis For Estimate: Qu	uote	Life Expectancy: 8		
Operational Cost Impact: Decrease to expenses				
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.				
Urgency: 3 - System h	as needed unanticipated	l repairs		
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

THE LMONT	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-12			
Department: Public Works - Sewer	Title: #24 - Front End Loader			
Description: Replace #	² 4 - Front End Loader			
Location (if available)				
FY 23: \$220625	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$220	625	
Project Category: Equ	ipment	Project Type: Replacem	ient	
Basis For Estimate: Qu	uote	Life Expectancy: 15		
Operational Cost Impact: Decrease to expenses				
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.				
Urgency: 3 - System h	as needed unanticipated	repairs		
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

THE LMONT	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-28			
Department:	Title:			
Community	Sewer and Drain Rehat	pilitation		
Description: Investigat mains and services, tes required. Fund the Ann	te, evaluate and mitigate st water quality of the sto nual MS4 DEP storm wa	e sewer and storm drain to orm water system and co ater permitting program.	failures. Repair / replace prrect deficiencies as	
EV 22: \$ (00000	EX 24. \$60000	EX 25. \$60000	EV 26. \$60000	
FY 27: \$600000	F 1 24. \$600000	F 1 23. \$000000	F 1 20. \$00000	
FY 27: \$600000	<u>FY 28: \$600000</u>	FY 23 - 28 Total: \$360		
Project Category: Publ	lic improvement	Project Type: Reconstr	uction	
Basis For Estimate: In	-house estimate	Life Expectancy: 75	1	
Operational Cost Impa	ct: Decrease to expense	S		
Note: Work to rehabilitate sewer and storm water systems will reduce DPW need to perform maintenance. The real savings comes from avoiding catastrophic failure that would require a major capital outlay to repair.				
Urgency: 2 - System is	s likely to fail			
Note: Work includes repairing identified failures in the systems and also making repairs in advance of potential failure. Work also includes identifying sources of problems that need to be addressed such as illicit connections to storm water systems.				
Previous Phases: Yes				
Can This Be Phased: Yes				
Grants: Have not been identified				

THE LMONTON	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-6				
Department: Public Works - Water	Title: #81 Administrative Hy	brid Vehicle			
Description: Replace #	#81 - Administrative Vel	nicle			
Location (if available)					
FY 23: \$31575	FY 24: \$	FY 25: \$	FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$315	75		
Project Category: Equ	ipment	Project Type: Replacen	nent		
Basis For Estimate: Qu	uote	Life Expectancy: 8	Life Expectancy: 8		
Operational Cost Impa	act: Decrease to expense	S			
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.					
Urgency: 3 - System h	as needed unanticipated	repairs			
Note:	Note:				
Previous Phases: No					
Can This Be Phased: No					
Grants:					

CHURCH AND	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-10			
Department:	Title: Electronic Sign Board			
Description: Electronic	c sign board			
Location (if available)				
FY 23: \$20850	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$208	50	
Project Category: Equ	ipment	Project Type: New		
Basis For Estimate: Q	uote	Life Expectancy: 10		
Operational Cost Impa	act: Neutral	•		
Note:				
Urgency: 5 - New: to a	address quality of life			
Note:				
Previous Phases: No				
Can This Be Phased: N	Can This Be Phased: No			
Grants:				

CHARTED HIS	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-13			
Department: Public Works - Water	Title: Tag Along Compressor			
Description: Tag along	g compressor			
Location (if available)	:			
FY 23: \$30000	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$300	000	
Project Category: Equ	ipment	Project Type: New		
Basis For Estimate: Q	uote	Life Expectancy: 10		
Operational Cost Impa	ict: Neutral		•	
Note:				
Urgency: 6				
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

ULL MONT	Comn To Capital F	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-9										
Department: Public Works - Water	- Water Trailer Mounted Vacmachine/Valve Turner											
Description: Trailer mounted valve turner												
Location (if available)	:											
FY 23: \$86850	FY 24: \$	FY 25: \$	FY 26: \$									
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$868	50									
Project Category: Equi	ipment	Project Type: New										
Basis For Estimate: Qu	uote	Life Expectancy: 10										
Operational Cost Impa	ict: Neutral	·	:									
Note:												
Urgency: 6												
Note:												
Previous Phases: No												
Can This Be Phased: N	lo											
Grants:												

THE LMONTON	^{Comn} To Capital R	nonwealth of Mas Own of Beli equest #FY	ssachusetts mont Y 23 CBR-27								
Department:	Title:										
Development	ravement ivianagement										
Description: Reconstruction of Town roadways utilizing two override sources of funding (2001 and 2015) and Ch 90 state aid (not reflected in the CBC request)											
Location (if available)	:										
FY 23: \$1857772	FY 24: \$1904216	FY 25: \$1951821	FY 26: \$2000617								
FY 27: \$2050632	FY 28: \$2101898	FY 23 – 28 Total: \$118	66956								
Project Category: Publ	lic improvement	Project Type: Reconstruction									
Basis For Estimate: In	-house estimate	Life Expectancy: 25									
Operational Cost Impa	act: Decrease to expense	S									
Note: Decrease in exp	enses due to less need fo	or routine maintenance o	n roads to be reconstructed.								
Urgency: 1 - System h	as failed										
Note: Roads to be reco	onstructed have failed an	are in need of repair.									
Previous Phases: Yes											
Can This Be Phased: Y	/es										
Grants: Other											

A REAL PROPERTY OF THE PROPERT	^{Comn} To Capital	onwealth of Ma Wn of Bel Request #	ssachusetts mont #fy21sub-2								
Department: Public Works	Title: Sidewalk Maintenance										
Description: Repair or Replace Cement Concrete Sidewalks and Granite Curbing as needed throughout the town.											
Location (if available)	:										
FY 23: \$237730	FY 24: \$243680	FY 25: \$249770	FY 26: \$256010								
FY 27: \$262410	FY 28: \$268970	FY 23 – 28 Total: \$15	18570								
Project Category: Publ	ic improvement	Project Type: Reconst	ruction								
Basis For Estimate: Ot	her	Life Expectancy: 25									
Operational Cost Impa	ct: Neutral	1									
Note:											
Urgency: 1 - System h	as failed										
Note:											
Previous Phases: Yes											
Can This Be Phased: Y	/es										
Grants:											

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23-28	Description	urgency
Community		Sewer and	FY23 FY24	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 3,600,000	Investigate, evaluate and mitigate sewer and storm drain failures. Repair / replace mains and	2 - System is
Development		Drain	FY25 FY26								services, test water quality of the storm water system and correct deficiencies as required.	likely to fail
		Rehabilitation	FY27 FY28								Fund the Annual MS4 DEP storm water permitting program.	
Community Dovelonment Summary				¢ 000.000	¢ 000.000	¢ 000.000	¢ 600.000	¢ 000.000	¢ 600.000	¢ 2,000,000		
Commu	inty Development	t Summary		\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 3,600,000		

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23	3-28	Description	urgency
Facilities	BUTLER	BUTLER PHASE	FY22 FY23	\$ 235,000						\$	235,000	Continuation of window replacement project and envelope repointing and sealing. There are	6 - Continuation
	ELEMENTARY	VI WINDOW										72 remaining windows to be replaced - including those in this request.	of a long term
	SCHOOL	REPLACEMENT											decision to
													upgrade the
													windows.
Facilities	Facilities Fleet	New Electric	FY23	\$ 54,756						\$	54,756	Added to fleet to support new positions within the Facilities Department.	6 - Support to
		Van											growing and
													improving
													Department
Facilities	Fleet Vehicle	Electric Van	FY23	\$ 54,704						\$	54,704	New Electric Van	5 - New: to
				. ,							,		address guality of
													life
Facilities	Fleet Vehicle	2022 Hybrid	FY23	\$ 55,666						\$	55,666	New Fleet Vehicle for Facilities	2 - System is
		Explorer											likely to fail
Facilities	WELLINGTON	Replace Heat	FY23	\$ 150,000						\$	150,000	The Heat Exchanger that supports the heating side of the geo thermal system at the	1 - System has
	ELEMENTARY	Exchanger										Wellington school needs to be replaced to take advantage of the state of the art heating and	failed
	SCHOOL											cooling system. We have made improvements to make the system work during shoulder	
												cooling seasons but it is not able to cool or heat in height of seasons. BMS Programming is	
												also apart of the repair project.	
Facilities	BUTLER	Supplemental	FY23	\$ 66,000						\$	66,000	Start and complete the the upgrade of a new Fire Alarm system	4 - Has outlived
	ELEMENTARY	funding for new											its useful life
	SCHOOL	Fire Alarm											
Facilities	WINN BROOK	Supplemental	FY23	\$ 75,000						\$	75,000	Update the Fire Alarm and PA system at the Winn Brook School. This received approved	4 - Has outlived
	ELEMENTARY	Funding for a										funding in FY19 FY20, and FY21. This amount will cover the estimated value for the project.	its useful life
	SCHOOL	new Fire Alarm											
		and PA											
Facilities	BUTLER	Fix Masonry	FY23	\$ 475,000						\$	475,000	Repair weaknesses in the schools brick façade by repointing and grouting vulnerable areas.	3 - System has
	ELEMENTARY	Facade											needed
	SCHOOL												unanticipated
													repairs
Facilities	BUTLER	Replace	FY24		\$ 415,000					\$	415,000	Replace existing Translucent panels over Gym with new. Existing panels have deteriorated	4 - Has outlived
	ELEMENTARY	Translucent										from UV and over lived its useful life.	its useful life
	SCHOOL	Wall panels											
		over Gym											
Facilities	BUTLER	Slate Roof,	FY24		\$ 1,600,000					\$	1,600,000	Based on the building envelope study the Slate Roof has been determined to be well over its	4 - Has outlived
	ELEMENTARY	Flashing, Caps										useful life being over 120 years.	its useful life
	SCHOOL	and Gutters											
Facilities	CHENERY	Chenery Middle	FY27							\$	-	The flat roof on Chenery is 28 years old and is nearing its useful life. Leaks have started to	4 - Has outlived
	MIDDLE	School Roof										occur but have been contained. Walking pads made of rubber do not age the same way as	its useful life
	SCHOOL											the plastic roof and has caused stretching and tearing of the roof. Minimal operating	
												investment can sustain this roof for the next 3-5 years. Estimates at this point is not advised	
												as the building materials and labor can not be accurately estimated for 5 years away.	
Facilitie	s Summarv			\$ 1,166,126	\$ 2,015,000	Ś -	Ś-	s -	Ś -	Ś	3.181.126		
				,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	1	1	1	Ţ .	-,,		

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23-28	Description	urgency
Fire		Ambulance Replacement	FY23 FY24 FY25 FY26 FY27 FY28	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000		\$ 400,0	This appropriation from EMS Revenue will be \$80,000 per year for 5 years resulting in the purchase of a new vehicle using \$400,000. In purchasing a vehicle in 2021 to replace a 10- year-old ambulance the department has encountered conditions where prices have risen sharply. This appropriation will help ensure adequate funds are available to continue to replace the ambulance in five years. The department will also maintain diligence in monitoring cost trends throughout the five-year span.	4 - Has outlived its useful life
Fire		Cardiac monitor replacement	FY23 FY24 FY25 FY26 FY27 FY28	\$ 7,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 57,0	On Annual request of \$7,000 to replace cardiac monitor after five years. Funds from ambulance revenues. A new monitor is scheduled for purchase in FY 23. The cost will be approximately \$37,000 with a trade-in. A modification of the annual allotment allowing \$10,000 per year for five years is being requested in order to ensure the ability purchase a new monitor in 2028. The technology and capability of this equipment is constantly being updated. In order to allow paramedics to perform the latest advanced interventions our equipment must keep pace.	2 - System is likely to fail
Fire		Replace Staff Car	FY23	\$ 75,000						\$ 75,0	00 Staff car assigned to the fire chief. This will replace a 10-year-old (2013) vehicle currently assigned to Fire Prevention. The current chief's vehicle (2017) will be assigned to Fire Prevention. The new purchase will be a Ford Interceptor/SUV hybrid model (similar to current police hybrid vehicles) It shall be upfitted with equipment necessary to operate Incident Command and support Emergency Management functions.	3 - System has needed unanticipated repairs
Fire		Air Packs	FY23	\$ 376,584						\$ 376,5	84 Requesting funds to replace outdated air packs with equipment that meets the current standard. The current air packs are 10 years old and are beginning to experience frequent breakdowns (cost for repairs in past 12 months \$2500). More than the cost for repairs, the downtime for the equipment has become a problem. Current air packs are also 2 editions behind for NFPA safety standards. We are unable to employ current safety standards for air management with this equipment.	2 - System is likely to fail

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23-28	Description	urgency
Fire		Power Load Ambulance Cot System	FY23	\$ 42,000						\$ 42,000	This system will be installed in the new ambulance currently on order. It allows patients to be loaded safely into the ambulance. The system greatly lessens the chance for firefighter injury from lifting patients and cot into the ambulance. It also prevents patients from being dropped while lifting into the ambulance and provides a safe connection of the cot to the vehicle lessening the chance for patient injury in the event of a crash.	6 - Needed equipment for new rescue truck currently being ordered. The base cost of the vehicle does not allow this system to be included in the order.
Fire		Replace 2005/2014 Engine	FY24		\$ 840,000					\$ 840,000	Replace 2005 fire engine (pumper). Re-assign 2014 engine to reserve status. New engine will be front line fire apparatus. Build time is approximately 12 months based on past experience. Expected delivery would be mid-late 2025.	3 - System has needed unanticipated repairs
Fire		Replace Staff Vehicle	FY25			\$ 75,000				\$ 75,000	Replace 2015 staff vehicle. This is the Department's pick-up truck. It is used for various purposes including training, picking up and delivering equipment, and can be utilized by the fire investigation unit.	4 - Has outlived its useful life
Fire		Replace 2005 Engine	FY27					\$ 974,000		\$ 974,000	Replace 2007 fire engine (pumper). Re-assign 2020 engine to reserve status. New engine will be front line fire apparatus. Build time is approximately 12 months based on past experience. Expected delivery would be mid-late 2028. The 2007 vehicle that is being replaced is a four-wheel drive commercial type 'brush" truck. The brush fire fighting function is better served by the Fire Department's smaller brush truck (2008 Ford F-550). The replacement vehicle should be a custom pumper type of vehicle that is safer (due to rollover protection) and built to the specifications of our other front-line fire engines.	4 - Has outlived its useful life
Fire Su	mmary			\$ 580,584	\$ 930,000	\$ 165,000	\$ 90,000	\$ 1,064,000	\$ 10,000	\$ 2,839,584		

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23-28	Description	urgency
Information		Redundant	FY23	\$ 150,000						\$ 150,000	This is a request that affects all Town agencies with radios. We currently have a single fiber	6 - This request is
Technology		fiber line to									run from 460 Concord Ave that carries all Town radio connections to the main antenna site at	to cover the Town
		antenna site									760 Concord Ave. A short distance of this run is underground, but the majority of the run is	in the event of a
											pole to pole. If a pole is knocked down it could knock out all Town radio systems.	break or damage
												to the single fiber
												run and allow
												Town
												departments to
												continue to
												function at full
												radio capacity.
Information		Increase	FY23	\$ 60,000						\$ 60,000	The project is to add disk storage to our SAN.	2 - System is
Technology		Network									This is to accommodate the need for increased resources for Virtual Servers as well as the	likely to fail
		Storage									need for increase in file storage capacity.	
Information		Fiber	FY23	\$ 20,000						\$ 20,000	Burbank and Wellington are to be spliced into the backbone network for assignment to the	6 - Continued
Technology		Reconfiguration									High School or Chenery, or both. The objective is to remove the above sites from the current	Fiber
		Burbank/Wellin									fiber terminations at the Library.	Construction to
		gton									Please see attached proposal for complete description.	eliminate hub at
												Library.
IT Sur	nmary			\$ 230,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 230,000		

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23	-28	Description	urgency
Library		RFID Tags and	FY23	\$ 32,306						\$	32,306	RFID technology has been utilized more and more in public libraries over the last 10 years,	5 - New: to
		Equipment										and it's time for Belmont to take this step in service. With RFID tags in each physical item,	address quality of
												citizens will be able to check out items faster, with less errors, and in some cases without the	life
												support of a staff member. This will not reduce the need for staff, but hopefully help to avoid	
												the need to increase the amount of Library Assistant positions. This work should be	
												completed before the opening of a new library.	
Library		Asbestos	FY24		\$ 639,870					\$	639,870	Scope includes all remaining areas that have asbestos tiles(fiction, nonfiction, bathrooms,	2 - System is
		Abatement 2nd										etc. for an estimated Sq. footage of 24000. Includes a 30K allowance for moving furniture and	likely to fail
		and 3rd floors										an additional 65k for new furniture.	
Libron			EV24	l é	¢ 70.204	ć	ć			6	70.204	Estand useful life of LWAC. Civen the age of the system and the bookground information that	2 Sustan has
Library		Life of Existing		Ş -	\$ 70,304	Ş -	Ş -			Ş	70,304	Extend userul me of HVAC – Given the age of the system and the background mormation that	3 - System has
		AC Equipment										ic	unanticipated
												that	renairs
												assumes a rather significant overhaul of the HVAC systems.	
												a. This includes any make up air fans, fans, cooling units and otherwise would be	
												considered heating, ventilation, and air conditioning equipment.	
												b. A component of this scope would include rebalancing of the system, looking at diffusers	
												within the deficient spaces as well as some insulation to further contain air conditioning	
												or heating in more severe weather.	
												c. The scope of the actual work would be unknown until the system is fully assessed by an	
												MEP engineer or qualified service vendor.	
Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23	8-28	Description	urgency
------------	----------	-----------------	-------------	--------	------------	--------	--------	--------	--------	------	---------	---	----------------------
Library		Upgrade Fire	FY24		\$ 787,592					\$	787,592	Fire alarm upgrades – The existing system is deficient by way of fire alarm smoke detector	4 - Has outlived
		Alarm System										and/or heat sensors coverage. Upgrading the system would mean bringing it up to code.	its useful life
												a. Cost assumes addressable fire alarm system.	
												b. Cost includes opening the walls and updating the electrical backbone of the system, the	
												applicable conduits and environmental remediation needed to assess the "hot" areas.	
												c. Cost assumes not only the actual areas of electrical runs but also means and methods of	
												getting the devices power support to each location.	
												d. A new annunciator panel is assumed in the costs.	
												le. A good portion of the costs is associated with the logistics of the installation of the	
												In the cost does not include a fire sprinkler suppression system or fire nump for the same	
												I. This cost does not include a me spinicle suppression system of the pump for the same.	
												design and provide specifications for the fire alarm replacement/ungrade. A vendor maybe	
												able to do the same but a vendor assumes no other scope of services such as the coordination	
												and handling of the electrical upgrades, environmental	
												remediation, patching of all the walls and painting of the same. These costs are	
												included in this line item	
Library		Paint Exterior	FY24		\$ 82,300					\$	82,300	Exterior painting – The assumption under CHA costs considers an allocation for repairing and	4 - Has outlived
		of Building										replacement of rotted wood.	its useful life
												a. It does not entail replacement of all the wood, but rather repair and replacement as	
												heeded which can be assumed at 30% of the existing wood.	
												b. A full assessment of the extend by an envelope first would determine the full scope of work but it is reasonable to expect at least 30% would need to be repaired and/or	
												selectively replaced	
												c. Scope includes removal of old caulking and installation of new caulking	
Library		Expand existing	FY24		\$ 100,800					\$	100,800	Expand existing security camera system – Assumption is made that expanding the security	6 - It's time to add
		security camera										system would require more cameras in select locations.	cameras to
		system										a. As such, those cameras need to be powered and/or have cat 6 wiring hard wired to	unsecure sections
												those locations.	of the library. East
												b. Such wiring may require wall and ceiling cutting and create the need for environmental	and West Wings,
												remediation.	Third Floor
												c. Also, the duplexer and recording device equipment would/should be replaced to	Balcony, 1st floor
												accommodate for the expansion of the system.	hallway, door to
												d. Main power electrical upgrades are not considered as part of this scope but ancillary	Flett Room,
												electrical work to support the expanded system is included.	exterior of the
													building etc.
L	1				1			I					

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23	-28	Description	urgency
Library		Upgrade & Replace Unit Ventilators	FY24 FY25		\$ 308,900					\$	308,900	Upgrade/replace unit ventilators - Cost assumes replacement of the ventilators. a. Cost provided based on unit pricing and logistics for removal and installation of new including ancillary costs for electrical and plumbing. b. Specifications for such would come from a mechanical, Electrical, plumbing (MEP) engineer.	3 - System has needed unanticipated repairs
Library		Chiller Rooftop Replacement	FY24		\$ 358,000					\$	358,000	Chiller replacement – Cost assumes chiller replacement in like kind in tonnage. a. An MEP engineer would provide specifications for such a replacement. b. We also suggest an energy model be performed as this directly affects the tonnage requirements and may provide some insight of the heat loss/AC deficiencies in the interior thereby dictating further insulation work or more controls for the system. c. The cost does not provide for a building management system or updated controls – simply the replacement of the existing unit. d. It accounts for ancillary electrical and plumbing work – however, it does not account for any major plumbing or electrical upgrades that very possibly maybe needed. e. The cost includes roof repairs associated with the replacement. f. The cost does not include any structural repairs that maybe required for code reasons or otherwise. g. A vibration absorbing structure is also not included in the cost.	4 - Has outlived its useful life
Library		Replace Windows and Exterior Doors	FY24		\$ 530,500					\$	530,500	Replace windows and exterior doors – Window specifications would be an important component to understand. Windows have energy components, reflectivity attributes and aesthetics. a. The cost assumption is to replace windows like kind with new double pane windows with no consideration for upgraded UV glass, energy, or reflectivity. b. Associated woodwork and caulking are included in cost assumption. c. Environmental is not included in the cost assumption for this line item. d. Door replacement would include keeping the existing frame and only replacement of the door, weather stripping and threshold. i. Frames remain as removing the same very possibly can create a structural issue and additional work to prep the opening for a new frame.	4 - Has outlived its useful life

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23-2	28	Description	urgency
Library		Repoint Masonry	FY25			\$ 314,500				\$ 3	314,500	Repoint Masonry – Repointing scope includes removal of the old mortar and replacement with new. a. Compromised existing motor can provide an area of water infiltration of which cannot be seen necessarily from the interior. i. If this is occurring, it is very possible there is mold within the interior walls which would need to be mitigated. It may be encountered thru the other upgrades where walls would need to be opened to do the work. b. Spot pointing is an option where only the visible and clearly compromised mortar would be replaced. c. Repointing does not include any structural work on the brick but more specifically at the headers and lintels. d. CHA cost estimate assumes full repointing. i. An envelope consultant would further advise as the specifications of the mortar and whether the full repointing is needed. ii. The consultant may advise on weather sealant as well in select areas of which cost is not included in the assumptions.	4 - Has outlived its useful life
Library		Renovate 8-10 bathrooms(new toilets and fixtures)	FY25			\$ 1,223,000				\$ 1,2	223,000	 Renovate 8 - 10 bathrooms (new toilets) – Cost assumption includes heavy renovations for the bathrooms, additional water fixtures and compliance with ADA. a. Cost assumptions includes new core drilling, plumbing and electrical as well as expanding the footprint of the bathrooms to provide for accessibility. b. Expansion of the bathroom footprint may include relocation of other plumbing and electrical which is considered in the cost estimate. c. Loss of hallway and/or usable space would occur. d. An Architect would need to provide for a schematic design to understand the entirety of the scope which may cause for more cost impact. e. CHA cost estimate is conservative. Environmental remediation would be needed as well. 	Out of code. Not accessible. Useful life 20 years.
Library		Elevator Replacement	FY25			\$ 1,687,400				\$ 1,6	587,400	 Elevator replacement – Cost includes new exterior shaft for the elevator. a. The shaft will be structural which will require a foundation. i. Assumption assumes steel and CMU masonry. b. Shaft is fire sprinklered and temperature controlled. c. Cost includes new openings in each floor and associated structural work and wall/interior work and flooring. d. Replacement of the existing elevator may not be possible due to newer elevators being differently sized and requiring more space. e. Replacement in current location would require major structural work should the shaft be expanded as well as loss of space and relocation of MEP and as such very well would be more than installing a new elevator on the outside of the building. 	4 - Has outlived its useful life

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2	3-28	Description	urgency
Library		Limited Roof	FY25			\$ 388,538				\$	388,538	Cost assumes the replacement of the membrane.	1 - System has
		(Membrane											laneu
		(Membrane Replacement)											
Library		Exterior front	EV25			\$ 479 752				¢	479 752	Front stairs – The stairs are in disrenair. Stair replacement cost assumptions include:	1 - System has
Library		unner staircase	1125			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				ļ	475,752	a Demolition of the stairs	failed
		and landing										b. Resetting of the base and new structural – including possible regrading	laneu
		renairs										c. Installation of new stairs treads and railings	
												d Lighting maybe required so consideration of electrical is assumed	
Library		Replace Interior	FY26				\$ 219,000			\$	219,000	Replace interior doors and hardware – Given the size of the building and programming areas,	6 - Out of code
		Doors &										the cost estimate includes replacement of all the doors and hardware.	
		Hardware										a. Replacement includes the doors frames for non-fire rated doors.	
												i. Fire rated door frames would remain in place.	
												b. Hardware is generic and does not include any FOB or electronic system. It can include a	
												master keyed system.	
												i. If there was a new building, we would recommend an FOB/electronic system for	
												safety and security control.	
Library		New Furniture	FY26				\$ 266,900			\$	266,900	New Furniture with electrical integrated – The furniture layout would need to be designed	4 - Has outlived
												and	its useful life
												provided but assuming in most locations, cost assumption provides for electrical feeds.	
												a. Electrical feeds would be surface mounted where possible.	
												b. If trenching into the slab or deck is needed, this is assumed in our cost for a few areas	
												but not everywhere.	
												c. There is some consideration for environmental remediation.	
												d. Upgraded of main electrical panel is not included but an ancillary panel is considered in	
												the assumption.	
												e. An MEP engineer would need to calculate the loads of the electrical needs of the	
												building which would determine to what extent electrical panel upgrades are needed.	
Library		Repave Parking	FY26				\$ 628,300			\$	628,300	Repave parking lot – Cost assumption includes a full rip up of existing for the entire footprint	4 - Has outlived
		Lot										and replace with asphalt in two 1.5" lifts and line painting.	its useful life
												a. Cost assumption includes some regrading where needed.	
												b. Replacement of storm water catch basins and lines is not included.	
												c. No underground civil work is included.	
												d. Recommendation from CHA would be go to a permeable surface instead of asphalt	
												which helps with storm water management but is an appropriate sustainable approach.	
Library		Paint Interior of	FY27				\$ 215,300			\$	215,300	Planned refresh of Library walls. Cost assumption includes crack repairs, prime and paint like	4 - Has outlived
		Building										color.	its useful life

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23-2	28	Description	urgency
Library		Fire Suppression for Claflin Room	FY27					\$ 52,800		\$	52,800	 Fire suppression for Claflin Room – Cost assumption is for a dry system for this room. a. The pipe work would be surface mounted and the equipment on the exterior. b. A FLS engineer would need to advise on the design detail and whether its viable and code approved. c. A wet system is not possible without creating a fire suppression pump equipment dedicated interior area and as well provide for a separate fire sprinkler line from the street which is why we assumed a dry system as being most viable. i. A dry system is a chemical fire suppression system like you would see in a garage. ii. A wet system is pressured water which is normally seen in interior of buildings. 	5 - New: to address quality of life
Library		Automatic Sprinkler	FY27					\$ 506,400		\$	506,400	Automatic sprinkler system (wet) – The viability of this work would need to be determined by a FLS engineer. a. A fire pump would be needed. b. A room or area for the fire pump would be needed, fire alarm would be integrated with the sprinkler system. c. CHA cost assumption is for surface mounted piping, new fire pump and ancillary work for a functional system. d. CHA cost does not include new fire water supply from the street to the fire pump location. e. Electrical is considered in the cost but not a fully new electrical power feed or main replacement.	5 - New: to address quality of life
Library		Upgrade electrical coverage and service	FY27					\$ 437,100		\$.	437,100	Upgrade electrical coverage and service – Allowance provided. a. Assumption includes replacement of existing in same location. b. Replacement of outlets throughout not included. c. Replacement of light fixtures to LED not included. d. Replacement of old wiring throughout not included. e. Low voltage wiring / rewiring not included. f. Relocation of existing main and panels not included. i. Do not recommend this scope without fully understanding and/or deciding upon future electrical requirements.	4 - Has outlived its useful life
Library		Complete the Replacement of the HVAC System	FY28						\$ 2,317,260	\$2,	317,260	Complete the replacement of any remaining HVAC systems and components. Cost assumes replacement of the HVAC system including all components, duct work and equipment. a. Cost assumes environmental remediation and all wall/ceiling replacement that is removed. b. Cost includes building management systems and controls. c. Cost assumes replacement in similar size and general locations. d. This effort must coordinate with MEP and FLS engineers as well as an architect. i. Involves energy modeling and should consider other components of the renovation such as insulation and window replacement which directly affects the efficiency of the system.	4 - Has outlived its useful life

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23-28	Description	urgency
Library		Building	FY28						\$ 389,000	\$ 389,000	Building Management System (BMS) – Scope includes tying in the existing HVAC system and	6 - No System
		Management									all	Currently Exists
		System									its pieces into a centralized control console.	
											a. An MEP engineer would be needed to design and specify the system.	
											b. CHA note – This scope may not be possible as the current HVAC system and its	
											equipment may not accommodate a BMS system and as such would require the	
											replacement of the HVAC system.	
Library	Summary			\$ 32,306	\$ 2,878,266	\$ 4,093,190	\$ 1,329,500	\$ 996,300	\$ 2,706,260	\$ 12,035,822		

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23	-28	Description	urgency
Police		Install Uni-	FY23	\$ 30,00)					\$	30,000	Install UDA in the lower area of 460 Concord Ave, to allow officers to receive radio	6 - officers are
		Directional										transmissions	now unable to
		Radio Amplifier											hear if they are
		at 460											being called on
													the radio while in
													the lower area of
													the police station
Police		Replace FMD	FY23	\$ 12.00)					Ś	12.000	This server controls and strores the Emergency Medical Dispatch software and the quality	4 - Has outlived
		Server								Ť	,	assurance software. This server was last replaced in EV17	its useful life
Police		Replace Undate	FY24		\$ 12,000					\$	12 000	This is to replace our windows update server, last replaced in FV18	4 - Has outlived
		Server			Ç 12,000					Ŷ	12,000		its useful life
Police		Replace Police	FY24		\$ 150,000	\$ 150,000				Ś	300.000	Replacement of Police department portable radios last replaced in FY16	4 - Has outlived
		portable radios			+	+ 100,000				•	,		its useful life
Police		Replace Fiber	FY25			\$ 100,000				Ś	100 000	This is a Town Wide benefit request. This is to replace the fiber multiplexers that are used to	4 - Has outlived
		Multiplexers	1123			\$ 100,000				Ŷ	100,000	connect all the Town radio equipment, hase radios, receivers, and remotes to the main	its useful life
		Multiplexels										antenna site. There are also multiplevers that the together the fire stations and police station	its userui inc
												Placeholder amount	
Police		Peplace CAD	EV25			\$ 20,000				ć	20.000	To replace the Computer Aided Dispatch and Records Management System server last	A - Has outlived
FOICE		and BMS Sorvor	FT25			\$ 20,000				Ş	20,000	ronlaced in EV20	its us of ul life
Police		Replace	EV25			\$ 18,000				Ś	18 000	To replace the telephone and radio logging recorder, we last undated the unit in EV19	4 - Has outlived
l'onee		Call/Badio	1125			\$ 10,000					10,000		its useful life
		Logging											its userui inc
		Recoder											
Police		Replacement of	EV25			\$ 20,000				Ś	20.000	Replacement of Police network domain controller computers, last replaced in FV19 they will	4 - Has outlived
l'onee		Police Domain	1125			\$ 20,000					20,000	he at the end of the life cycle for system support and maintenance	its useful life
		Controllers										be at the cha of the life cycle for system support and maintenance	
		controllers											
Police		Town-wide	EV261EV27				\$ 100.000	\$ 100.000		Ś	200.000	Replace all Town base radio equipment and infrastructure, this is a Town wide request as the	4 - Has outlived
l'onee		Base Badio	112011127				ļ 100,000	\$ 100,000			200,000	Police department maintains all base equipment and connectivity for the antenna site. The	its useful life
		Benlacement										equipment was last replaced in EV16 Note hudget number is a placeholder	its userui inc
		Replacement											
Police		Replacement of	FY26				\$ 35,000			Ś	35.000	Replacement of Police department network switches last replaced in FY18	4 - Has outlived
		Police Network					Ç 33,000			Ŷ	33,000		its useful life
		Switches											its userui inc
		Switches											
Police		Renlace	FY26				\$ 30,000			\$	30.000	Officer's sidearms were last replaced around 2015 and will be at the end of their expected life	4 - Has outlived
		Department					20,000				33,000		its useful life
		Sidearms											
Police S	Summary			\$ 42,00) \$ 162,000	\$ 308,000	\$ 165,000	\$ 100,000	\$ -	\$	777,000		

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23	-28	Description	urgency
Public Works		#55 Brush Chipper	FY23	\$ 57,9	50					\$	57,950	Replace #55 Brush Chipper	4 - Has outlived its useful life
Public Works		Public Shade Tree Inventory & Health Assessment	FY23	\$ 55,0	00					\$	55,000	Public shade tree inventory and health assessment.	5 - New: to address quality of life
Public Works - Parks		#108 - Small Front End Loader	FY23	\$ 112,4	50					\$	112,450	Replace #108 - Small Front End Loader	2 - System is likely to fail
Public Works - Parks		#110 - 1 Ton 4WD Pick-up Truck	FY23	\$ 58,3	10					\$	58,310	Replace #110 - 1 Ton 4WD Pick-up Truck	3 - System has needed unanticipated repairs
Public Works - Cemetery		#117 - 1 Ton 4WD Pick-up Truck	FY23	\$ 58,3	10					\$	58,310	Replace #117 - 1 Ton 4WD Pick-up Truck	3 - System has needed unanticipated repairs
Public Works		#73 - 10" Material Spreader	FY24		\$ 26	,265				\$	26,265	Replace #73 - 10' Material Spreader	3 - System has needed unanticipated repairs
Public Works		#32 - Snowfighter Conversion	FY24		\$ 49	,545				\$	49,545	Replace #32 - Snow Fighter Conversion	3 - System has needed unanticipated repairs

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23	-28	Description	urg	gency
Public Works		#1 -	FY25			\$ 40,850				\$	40,850	Replace #1 - Administrative Vehicle	3 - 1	System has
		Administrative											nee	eded
		Hybrid Vehicle											una	anticipated
													rep	oairs
Public Works		#67 - 9'	FY26				\$ 16,710			\$	16,710	Replace #67 - 9' Material Spreader	3 -	System has
		Material											nee	eded
		Spreader											una	anticipated
													rep	pairs
Public Works		#37 - Snow	FY26				\$ 49,545			\$	49,545	Replace #37 - Snow Fighter Conversion	3 - 1	System has
		Fighter											nee	eded
		Conversion											una	anticipated
													rep	pairs
Public Works		#34 - Snow	FY27					\$ 49,545		\$	49,545	Replace #34 - Snow Fighter Conversion	3 - 1	System has
		Fighter											nee	eded
		Conversion											una	anticipated
													rep	pairs
Public Works		#47 - Wacker	FY27					\$ 95,235		\$	95,235	Replace #47 - Wacker Sidewalk Snowblower	3 - 3	System has
		Sidewalk											nee	eded
		Snowblower											una	anticipated
													rep	pairs
Public Works		#46 Wacker	FY28						\$ 95,235	\$	95,235	Sidewalk tractor for snow removal	4 -	Has outlived
		Sidewalk											its	useful life
		Tractor												
Public Works		#42 Vent-Trac	FY28						\$ 61,500	\$	61,500	Sidewalk tractor for snow removal	4 -	Has outlived
		Sidewalk											its	useful life
		Tractor								<u> </u>				
Public Works -		#119 - 19,000	FY24		\$ 71,15	5				\$	71,155	Replace #119 - 19,000 GVW Dump Truck	3 - 1	System has
Cemetery		GVW Dump											nee	eded
		Truck											una	anticipated
										<u> </u>			rep	pairs
Public Works -		#116 - 19,000	FY25			\$ 71,155				Ş	71,155	Replace #116 - 19,000 GVW Dump Truck	3 - 1	System has
Cemetery		GVW Dump											nee	eded
		Iruck											luna	anticipated
			5/24		6 50.04					-	50.040		rep	pairs
Public Works -		#102 - 1 Ion	FY24		\$ 58,31					Ş	58,310	Replace #102 - 1 Ton 4WD Pick-up Truck	3 -	System has
Parks		4WS Pick-up											nee	eded
		Пгиск											una	anticipated
Dublic Montre		Taxa 10 Cut	EV24		<u> </u>	-					02.025	Deplace Tone 101 Cut Didice Meurer	rep	pairs
Public Works -		Toro - 16 Cut	FY24		\$ 92,92					Ş	92,925	Replace Foro 16° Cut Riding Mower	3 - 1	System has
Parks		Riding wower											nee	eaea
													una	anticipated
Dublic Morks		#104 1 Tam	EV2E			<u>с</u> го 210				4	F0 210	Deplace #104 1 Tep AMD Diek up Truck	rep	Sustam has
Public Works -		#104 - 1 Ton	FIZS			\$ 58,310				Ş	58,310	Replace #104 - 1 1011 4WD Pick-up Truck	3-1	System has
Parks		4WD Pick-up											nee	eueu
		THUCK											una	anticipateu
Public Works		#107 John	EV26	+	+		¢ 44 570	+	-	ć	44 570	Poplace #107 John Deero Tractor		System has
Public Works -		#107 John	F120				\$ 44,570			Ş	44,570		5-	adad
														anticipated
														nairs
DPW S	ummary			\$ 342,020	\$ 298,20	0 \$ 170,315	\$ 110,825	\$ 144,780	\$ 156,735	\$:	1,222,875			

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2	3-28	Description	urgency
Public Works -		#24 - Front End	FY23	\$ 220,625						\$	220,625	Replace #24 - Front End Loader	3 - System has
Sewer		Loader											needed
													unanticipated
													repairs
Public Works -		#21 - 1 Ton	FY23	\$ 58,310						\$	58,310	Replace #21 - 1 Ton Pick-up Truck	3 - System has
Sewer		4WD Pick-up											needed
		Truck											unanticipated
													repairs
Public Works -		#5 - 1 Ton 4WD	FY25			\$ 58.310				Ś	58.310	Replace #5 - 1 Ton Pick-up Truck	3 - System has
Sewer		Pick-up Truck	-							·	/		needed
													unanticipated
													repairs
Public Works -		#52 -	FY25			\$ 40.225				Ś	40 225	Replace #52 - Emergency Service Van	3 - System has
Sewer		Emergency	1.125			φ 10)223				Ļ	10,225		needed
Sewei		Service Hybrid											unanticipated
		Van											renairs
Public Works -		#2 _	EV22	\$ 56.765						ć	56 765	Penlace #2 - Administrative Vehicle	2 - System has
Fublic WOIKS -		#2 -	F125	β 30,703						Ş	50,705		5 - System has
Sewer		Automistrative											upanticipated
													ropaire
Dublic Marke		#17 40 000	EV24		¢ 152.220						152 220		
Public Works -		#17 - 40,000	FYZ4		\$ 153,320					Ş	153,320	Replace #17 - 40,000 GVW Dump Truck	3 - System has
Sewer													needed
		Пгиск											unanticipated
			5.05			6 50.040					50.040		repairs
Public Works -		#8 - 1 Ion 4WD	FY25			\$ 58,310				Ş	58,310	Replace #8 - 1 Ton 4WD Pick-up Truck	3 - System has
Sewer		PICK-UP Truck											needed
													unanticipated
				-									repairs
Public Works -		#50 - Vactor	FY24		\$ 257,500					Ş	257,500	Replace #50 - Vactor Machine (split cost with Water Enterprise)	3 - System has
Sewer		Machine											needed
													unanticipated
													repairs
Public Works -		#11-	FY28						\$ 153,320	\$	153,320	Replace #11 - 40,000 GVW Dump Truck	3 - System has
Sewer		40,000GVW											needed
		Dump Truck											unanticipated
													repairs
Public Works -		#12 - 40,000	FY26				\$ 153,320			\$	153,320	Replace #12 - 40,000 GVW Dump Truck	3 - System has
Sewer		GVW Dump											needed
		Truck											unanticipated
													repairs
Public Works -		Replace #25	FY26				\$ 220,625			\$	220,625	Replace #25 Front End Loader	4 - Has outlived
Sewer		Front End											its useful life
		Loader											
Public Works -		#25 Front End	FY27					\$ 220,625		\$	220,625	Front end loader	4 - Has outlived
Sewer		Loader											its useful life
Sewer St	ummary			\$ 335,700	\$ 410,820	\$ 156,845	\$ 373,945	\$ 220,625	\$ 153,320	\$	1,651,255		

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23	3-28	Description	urgency
Public Works -		#81	FY23	\$ 31,575						\$	31,575	Replace #81 - Administrative Vehicle	3 - System has
Water		Administrative											needed
		Hybrid Vehicle											unanticipated
													repairs
Public Works -		#85 - 40.000	FY25			\$ 153.320				Ś	153.320	Replace #85 - 40.000 GVW Dump Truck	3 - System has
Water		GVW Dump				+				1			needed
		Truck											unanticipated
													renairs
Public Works -		<u></u> #77 -	EV26				\$ 31 575			¢	31 575	Renlace #77 - Administrative Vehicle	3 - System has
Water		Administrative	1120				Ç 31,575				51,575		needed
Water		Hybrid Vehicle											unanticipated
													ropairs
Public Works		#99 Clasad	EV24		¢ 70.900					ć	70 200	Poplace #88 Closed Litility AND Truck	2 System bas
Public Works -		#00 - CIUSEU	F124		\$ 79,800					Ş	79,800	Replace #88 - Closed Othity 4WD Truck	5 - System Has
water													neeueu
		Писк											unanticipated
			5.425									repairs
Public Works -		#83 - Closed	FY25			\$ 79,800				Ş	/9,800	Replace #83 - Closed Utility 4WD Truck	3 - System has
Water		Utility 4WD											needed
		Truck											unanticipated
													repairs
Public Works -		#76 -	FY27					\$ 31,575		\$	31,575	Replace #76 - Administrative Vehicle	3 - System has
Water		Administrative											needed
		Hybrid Vehicle											unanticipated
													repairs
Public Works -		#50 - Vactor	FY24		\$ 257,500					\$	257,500	Replace #50 - Vactor Machine (split cost with Sewer Enterprise)	3 - System has
Water		Machine											needed
													unanticipated
													repairs
Public Works -		#80 -	FY26				\$ 38,310			\$	38,310	Replace #80 - Emergency Service Van	3 - System has
Water		Emergency											needed
		Service Hybrid											unanticipated
		Van											repairs
Public Works -		#89 -	FY27					\$ 25,450		\$	25,450	Replace #89 - Emergency Lighting Plant	3 - System has
Water		Emergency											needed
		Lighting Plant											unanticipated
													repairs
Public Works -		Trailer	FY23	\$ 86,850						\$	86,850	Trailer mounted valve turner	6
Water		Mounted		. ,						1 ·	,		
		Vacmachine/Va											
		lve Turner											
Public Works -		Electronic Sign	FY23	\$ 20.850						Ś	20 850	Electronic sign hoard	5 - New: to
Water		Board	1120	Ç 20,000						ļ ,	20,000		address quality of
Water													life
Public Works -			EV23	\$ 30.000						4	30 000	Tag along compressor	6
Water		Compressor	1125	5 30,000						ب ا	30,000		
Valer	l												
Water S	ummary			\$ 169,275	\$ 337,300	\$ 233,120	\$ 69,885	\$ 57,025	\$ -	\$	866,605		

Department	Location	Project Title	Fiscal Year	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY23-28	Description	urgency
Community		Pavement	FY23 FY24	\$ 1,857,772	\$ 1,904,216	\$ 1,951,821	\$ 2,000,617	\$ 2,050,632	\$ 2,101,898	\$ 11,866,956	Reconstruction of Town roadways utilizing two override sources of funding (2001 and 2015)	1 - System has
Development		Management	FY25 FY26								and Ch 90 state aid (not reflected in the CBC request)	failed
			FY27 FY28									
Public Works		Sidewalk	FY23 FY24	\$ 237,730	\$ 243,680	\$ 249,770	\$ 256,010	\$ 262,410	\$ 268,970	\$ 1,518,570	Repair or Replace Cement Concrete Sidewalks and Granite Curbing as needed throughout the	1 - System has
		Maintenance	FY25 FY26								town.	failed
			FY27 FY28									
Pavement	tSummary			\$ 2,095,502	\$ 2147.896	\$ 2 201 591	\$ 2 256 627	\$ 2 313 042	\$ 2 370 868	\$ 13 385 526		
Tuvement	e Summary			\$ 2,055,502	\$ 2,147,050	\$ 2,201,331	\$ 2,230,027	\$ 2,313,042	\$ 2,370,000	÷ 13,303,320		
GRAND	ΤΟΤΑΙ			\$ 5 593 513	\$ 9779482	\$ 7 928 061	\$ 4 995 782	\$ 5 495 772	\$ 5 997 183	\$ 39 789 793		
	101112			\$ 3,333,313	\$ 5,775,462	\$ 7,520,001	÷ 4,555,762	\$ 3,433,772	\$ 3,337,103	<i>\$ 33,763,733</i>		

Department	Location	Project Title	Fiscal Year	FY20)24	FY2	025	FY2	026	FY2	027	FY2	028
	1												
Community		Sewer and	FY23 FY24	\$	600,000	\$	600,000	\$	600,000	Ş	600,000	\$	600,000
Development		Drain	FY25 FY26										
		Rehabilitation	FY27 FY28										
Commur	ity Development	Summary		\$	600,000	\$	600,000	\$	600,000	\$	600,000	\$	600,000

THE LMONT	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-28								
Department:	Title:								
Community	Sewer and Drain Rehat	pilitation							
Description: Investigate, evaluate and mitigate sewer and storm drain failures. Repair / replace mains and services, test water quality of the storm water system and correct deficiencies as required. Fund the Annual MS4 DEP storm water permitting program.									
EV 22: \$ (00000	EX 24. \$60000	EX 25. \$60000	EV 26. \$60000						
FY 27: \$600000	F 1 24. \$600000	F 1 23. \$000000	F 1 20. \$00000						
FY 27: \$600000	<u>FY 28: \$600000</u>	FY 23 - 28 Total: \$360							
Project Category: Publ	lic improvement	Project Type: Reconstr	uction						
Basis For Estimate: In	-house estimate	Life Expectancy: 75	1						
			<u></u>						
Operational Cost Impa	ct: Decrease to expense	S							
Note: Work to rehabili maintenance. The real capital outlay to repair	tate sewer and storm wa savings comes from avo	ter systems will reduce biding catastrophic failu	DPW need to perform re that would require a major						
Urgency: 2 - System is	s likely to fail								
Note: Work includes re of potential failure. We such as illicit connection	Note: Work includes repairing identified failures in the systems and also making repairs in advance of potential failure. Work also includes identifying sources of problems that need to be addressed such as illicit connections to storm water systems.								
Previous Phases: Yes									
Can This Be Phased: Y	/es								
Grants: Have not been	Grants: Have not been identified								

Department	Location	Project Title	Fiscal Year	FY	2024	FY2025	FY2026	FY2027	FY2028
Facilities	BUTLER	Replace	FY24	\$	415,000				
	ELEMENTARY	Translucent							
	SCHOOL	Wall panels							
		over Gym							
Facilities	BUTLER	Slate Roof,	FY24	\$	1,600,000				
	ELEMENTARY	Flashing, Caps							
	SCHOOL	and Gutters							
Facilities	CHENERY	Chenery Middle	FY27						
	MIDDLE	School Roof							
	SCHOOL								
Facilities	Summary			\$	2,015,000	\$ -	\$ -	\$ -	\$ -

ALL MONTON	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-25								
Department:	Title:	Title:							
Pacilities	Keplace Translucent Wa	all panels over Gym	Existing papels have						
deteriorated from UV	and over lived its useful	life.	Existing panels have						
Location (if available)	: BUTLER ELEMENTA	ARY SCHOOL							
FY 23: \$	FY 24: \$415000	FY 25: \$	FY 26: \$						
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$415	000						
Project Category: Publ	lic improvement	Project Type: Replacement							
Basis For Estimate: Co	onsultant	Life Expectancy: 25							
Operational Cost Impa	act: Neutral								
Note:									
Urgency: 4 - Has outli	ved its useful life								
Note:									
Previous Phases: No									
Can This Be Phased: N	No								
Grants:									

ALL MONTON	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-23							
Department:	Title:	10.4						
Facilities	Slate Root, Flashing, C	aps and Gutters						
Description: Based on over its useful life beir	Description: Based on the building envelope study the Slate Roof has been determined to be well over its useful life being over 120 years.							
Location (if available)	: BUTLER ELEMENTA	ARY SCHOOL						
FY 23: \$	FY 24: \$1600000	FY 25: \$ FY 26: \$						
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$1600000						
Project Category: Equi	ipment	Project Type: Replacement						
Basis For Estimate: Co	onsultant	Life Expectancy: 25						
Operational Cost Impa	act: Decrease to expense	s						
Note: New roof will lo	ower the repair cost and	internal repairs resulting from said leaks.						
Urgency: 4 - Has outli	ved its useful life							
Note:								
Previous Phases: No								
Can This Be Phased: N	Jo							
Grants:								

C. PORATUJUS	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 22 CBR-7								
Department: Facilities	Fitle:								
Description: The flat roof on Chenery is 28 years old and is nearing its useful life. Leaks have started to occur but have been contained. Walking pads made of rubber do not age the same way as the plastic roof and has caused stretching and tearing of the roof. Minimal operating investment can sustain this roof for the next 3-5 years. Estimates at this point is not advised as the building materials and labor can not be accurately estimated for 5 years away.									
Location (if available):	CHENERY MIDDLE	SCHOOL							
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$						
FY 27: \$	FY 28: \$	FY 23 – 28 Total	1: \$0						
Project Category: Publ	ic improvement	Project Type: Re	placement						
Basis For Estimate: In-	house estimate	Life Expectancy: 30							
Operational Cost Impa	ct: Neutral								
Note:									
Urgency: 4 - Has outliv	ved its useful life								
Note: The existing root about 3-5 years.	f is reaching its designed	d useful life and s	hould anticipate a replacement in						
Previous Phases: No									
Can This Be Phased: Y	/es								
Grants:									

Department	Location	Project Title	Fiscal Year	FY20)24	FY2	025	FY20)26	FY2	027	FY20	28
Fire		Ambulance	FY23 FY24	\$	80,000	\$	80,000	\$	80,000	\$	80,000		
		Replacement	FY25 FY26										
			FY27 FY28										
Fire		Cardiac monitor	FY23 FY24	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000
		replacement	FY25 FY26										
			FY27 FY28										
				<u> </u>									
Fire		Replace	FY24	\$	840,000								
		2005/2014											
		Engine											
Fire		Replace Staff	FY25			\$	75,000						
		Vehicle											
Fire		Replace 2005	FY27							\$	974,000		
		Engine											
Fire Su	ummary			\$	930,000	\$	165,000	\$	90,000	\$ 1	L,064,000	\$	10,000

1	BEL	MO	VI	
E		È.	•	HIN I
13			THE	3

Capital Request #fy21sub-57

Department: Title: Fire Ambulance Replacement

Description: This appropriation from EMS Revenue will be \$80,000 per year for 5 years resulting in the purchase of a new vehicle using \$400,000. In purchasing a vehicle in 2021 to replace a 10-yearold ambulance the department has encountered conditions where prices have risen sharply. This appropriation will help ensure adequate funds are available to continue to replace the ambulance in five years. The department will also maintain diligence in monitoring cost trends throughout the five-year span.

Location (if available):

FY 23: \$80000	FY 24: \$80000	FY 25: \$80000	FY 26: \$80000				
FY 27: \$80000	FY 28: \$	FY 23 – 28 Total: \$400000					
Project Category: Vehi	cle	Project Type: Replacement					
Basis For Estimate: Qu	ıote	Life Expectancy: 10					

Operational Cost Impact: Neutral

Note: Newer vehicles have lower maintenance and repair costs.

Urgency: 4 - Has outlived its useful life

Note:

Previous Phases: Yes

Can This Be Phased: Yes

Grants:



Capital Request #fy21sub-58

Department:	Title:
Fire	Cardiac monitor replacement

Description: Annual request of \$7,000 to replace cardiac monitor after five years. Funds from ambulance revenues. A new monitor is scheduled for purchase in FY 23. The cost will be approximately \$37,000 with a trade-in. A modification of the annual allotment allowing \$10,000 per year for five years is being requested in order to ensure the ability purchase a new monitor in 2028. The technology and capability of this equipment is constantly being updated. In order to allow paramedics to perform the latest advanced interventions our equipment must keep pace.

Location (if available):

FY 23: \$7000	FY 24: \$10000	FY 25: \$10000	FY 26: \$10000		
FY 27: \$10000	FY 28: \$10000	FY 23 – 28 Total: \$57000			
Project Category: Equipment		Project Type: Replacen	nent		
Basis For Estimate: In-house estimate		Life Expectancy: 10			
Operational Cost Impa	ct: Neutral	•			
Note:					
Urgency: 2 - System is	likely to fail				
Note:					
Previous Phases: Yes					
Can This Be Phased: Y	7es				
Grants:					

REAL PROVIDENCE OF THE PROVIDE	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 22 CBR-4							
Department:	Title:							
Description: Replace 2005 fire engine (pumper). Re-assign 2014 engine to reserve status. New engine will be front line fire apparatus. Build time is approximately 12 months based on past experience. Expected delivery would be mid-late 2025.								
Location (if available)	-							
FY 23: \$	FY 24: \$840000	FY 25: \$	FY 26: \$					
FY 27: \$	FY 28: \$	FY 23 – 28 Total:	\$840000					
Project Category: Vehi	cle	Project Type: Rep	olacement					
Basis For Estimate: In-	-house estimate	Life Expectancy: 20						
Operational Cost Impa	ct: Neutral							
Note: Newer vehicles I fire department to main and when additional st underwent a \$20,000 f	have less frequent repair ntain fire and EMS prote affing is required. The 2 rame repair in 2019. Ave	needs. Having relections when front 005 reserve engine oiding these costly	iable reserve apparatus allows the line vehicles are being serviced e that is slated for replacement repairs is the goal.					
Urgency: 3 - System h	as needed unanticipated	repairs						
Note: The purchase of other needs and the cur	this engine has been def rrent fleet shows that it s	ferred by one year. should remain adec	The department has prioritized quate for one more year.					
Previous Phases: No								
Can This Be Phased: N	lo							
Grants:								

CRUCING AND	^{Comn} To Capital F	onwealth of Mas Wn of Beli Request #F	ssachusetts nont Y 22 CBR-5	
Department: Fire	Title: Replace Staff Vehicle	Title: Replace Staff Vehicle		
Description: Replace 2015 staff vehicle. This is the Department's pick-up truck. It is used for various purposes including training, picking up and delivering equipment, and can be utilized by the fire investigation unit.				
Location (if available)	EX 24. ¢	EX 25. \$75000	EV 26. ¢	
FY 23: \$	FY 24: \$	FY 25: \$/5000	<u>FY 26: \$</u>	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$750	00	
Project Category: Vehi	cle	Project Type: Replacem	nent	
Basis For Estimate: In-	-house estimate	Life Expectancy: 10	1	
Operational Cost Impa	ct: Neutral			
Note: Newer vehicles have lower repair costs. Hybrid models are being explored and, if feasible, could be utilized for this application. Hybrid vehicles have lower fuel costs.				
Urgency: 4 - Has outli	ved its useful life			
Note: The 2015 vehicle would either be retained as a reserve piece of equipment or traded in. This would be further evaluated in the year leading up to the request. Detailed fleet report will be submitted to the Capital Budget Committee.				
Previous Phases: No				
Can This Be Phased: N	lo			
Grants:				



Grants:

Department	Location	Project Title	Fiscal Year	FY2	024	FY2025	FY2026	FY2027	FY2028
Library		Asbestos Abatement 2nd and 3rd floors	FY24	\$	639,870				
Library		Extend Useful Life of Existing AC Equipment	FY24	\$	70,304	\$ -	\$ -		
Library		Upgrade Fire Alarm System	FY24	\$	787,592				
Library		Paint Exterior of Building	FY24	\$	82,300				
Library		Expand existing security camera system	FY24	\$	100,800				
Library		Upgrade & Replace Unit Ventilators	FY24 FY25	\$	308,900				
Library		Chiller Rooftop	FY24	\$	358,000				
Library		Replace Windows and Exterior Doors	FY24	\$	530,500				

Department	Location	Project Title	Fiscal Year	FY2024	FY2025	FY2026	FY2027	FY2028
Library		Repoint	FY25		\$ 314,500			
		Masonry						
Library		Renovate 8-10	FY25		\$ 1,223,000			
		bathrooms(new						
		toilets and						
		fixtures)						
		,						
Library		Elevator	FY25		\$ 1,687,400			
		Replacement						
Library		Limited Roof	FY25		\$ 388,538			
		Repair						
		(Membrane						
		Replacement)						
Library		Exterior front	FY25		\$ 479,752			
-		upper staircase						
		and landing						
		repairs						
Library		Replace Interior	FY26			\$ 219,000		
-		Doors &						
		Hardware						

Department	Location	Project Title	Fiscal Year	FY2024	FY2025	FY2	026	FY2	027	FY2028
Library		New Furniture	FY26			\$	266,900			
Library		Repave Parking Lot	FY26			\$	628,300			
Library		Paint Interior of Building	FY27			\$	215,300			
Library		Fire Suppression for Claflin Room	FY27					\$	52,800	
Library		Automatic Sprinkler	FY27					\$	506,400	
Library		Upgrade electrical coverage and service	FY27					\$	437,100	
Library		Complete the Replacement of the HVAC System	FY28							\$ 2,317,260
Library		Building Management System	FY28							\$ 389,000
Library	Summary			\$ 2,878,266	\$ 4,093,190	\$ 1	L,329,500	\$	996,300	\$ 2,706,260

THE LMONT	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-20				
Department:	Title:	ad and 2rd floors			
Description: Scope includes all remaining areas that have asbestos tiles(fiction, nonfiction, bathrooms, etc. for an estimated Sq. footage of 24000. Includes a 30K allowance for moving furniture and an additional 65k for new furniture.					
Location (if available):					
FY 23: \$	FY 24: \$639870	FY 25: \$	FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$639	870		
Project Category: Publ	lic improvement	Project Type: Replacement			
Basis For Estimate: Co	onsultant	Life Expectancy: 20			
Operational Cost Impa	et: Neutral				
Note:					
Urgency: 2 - System is	Urgency: 2 - System is likely to fail				
Note: The tiles are wea	Note: The tiles are wearing thin, literally.				
Previous Phases: Yes					
Can This Be Phased: Y	Can This Be Phased: Yes				
Grants:	Grants:				



Capital Request #fy21sub-76

Department: Library	Title: Extend Useful Life of Existing AC Equipment				
Description: Extend useful life of HVAC – Given the age of the system and the background information that it cannot keep up with the energy demands/loads of the building, this is a lump sum number that assumes a rather significant overhaul of the HVAC systems.					
a This includes any make year in fong fong, as aling you's and otherwise would be					

a. This includes any make up air fans, fans, cooling units and otherwise would be considered heating, ventilation, and air conditioning equipment.

b. A component of this scope would include rebalancing of the system, looking at diffusers within the deficient spaces as well as some insulation to further contain air conditioning or heating in more severe weather.

c. The scope of the actual work would be unknown until the system is fully assessed by an MEP engineer or qualified service vendor.

Location (if ava	ilable):			
FY 23: \$0	FY 24: \$70304	FY 25: \$0 FY 26: \$0		
FY 27: \$ FY 28: \$		FY 23 – 28 Total: \$70304		
Project Category: Equipment		Project Type: Reconstruction		
Basis For Estimate: Consultant		Life Expectancy: 5		
Operational Cast Impact: Neutral				

Operational Cost Impact: Neutral

Note: Thousands are spent in Air Conditioning repairs each year as our now obsolete equipment fails. A proactive approach to improvement should see the total spent overall decrease. Useful life 5 years.

Urgency: 3 - System has needed unanticipated repairs

Note:

Previous Phases: No

Can This Be Phased: No

Grants: Have not been identified



Capital Request #fy21sub-77

Department:	Title:
Library	Upgrade Fire Alarm System

Description: Fire alarm upgrades – The existing system is deficient by way of fire alarm smoke detector and/or heat sensors coverage. Upgrading the system would mean bringing it up to code.

a. Cost assumes addressable fire alarm system.

b. Cost includes opening the walls and updating the electrical backbone of the system, the applicable conduits and environmental remediation needed to assess the "hot" areas.

c. Cost assumes not only the actual areas of electrical runs but also means and methods of getting the devices power support to each location.

d. A new annunciator panel is assumed in the costs.

e. A good portion of the costs is associated with the logistics of the installation of the upgraded components and updated wiring of the same.

f. This cost does not include a fire sprinkler suppression system or fire pump for the same.

g. An appropriate and recommended approach would be for a Fire, Life Safety (FLS) engineer design and provide specifications for the fire alarm replacement/upgrade. A vendor maybe able to do the same but a vendor assumes no other scope of services such as the coordination and handling of the electrical upgrades, environmental

remediation, patching of all the walls and painting of the same. These costs are included in this line item

Location (if available):					
FY 23: \$	FY 24: \$787592	FY 25: \$	FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$787592			
Project Category: Equi	ipment	Project Type: Replacem	ient		
Basis For Estimate: Consultant		Life Expectancy: 20	Life Expectancy: 20		
Operational Cost Impact: Neutral					
Note:					
Urgency: 4 - Has outlived its useful life					
Note:					

Previous Phases: No

Can This Be Phased: No

Grants: Have not been identified



Capital Request #fy21sub-85

I	J				
Department: Library	Title: Paint Exterior of Build	Title: Paint Exterior of Building			
Description: Exterior painting – The assumption under CHA costs considers an allocation for repairing and replacement of rotted wood. a. It does not entail replacement of all the wood, but rather repair and replacement as needed which can be assumed at 30% of the existing wood. b. A full assessment of the exterior by an envelope firm would determine the full scope of work but it is reasonable to expect at least 30% would need to be repaired and/or selectively replaced. c. Scope includes removal of old caulking and installation of new caulking.					
L contion (if quailable)					
Location (if available):					
FY 23: \$	FY 24: \$82300 FY 25: \$ FY 26: \$		FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$82300			
Project Category: Pub	lic improvement	Project Type: Replacem	ient		
Basis For Estimate: Co	onsultant	Life Expectancy: 15			
Operational Cost Impa	act: Decrease to expense	'S			
Note: Planned maintenance of coding to prevent wood from further rotting. Useful life 15 years.					
Urgency: 4 - Has outlived its useful life					
Note:					
Previous Phases: No					
Can This Be Phased: N	Can This Be Phased: No				
Grants: Have not been identified					



Capital Request #fy21sub-86

Department:	Title:
Library	Expand existing security camera system

Description: Expand existing security camera system – Assumption is made that expanding the security

system would require more cameras in select locations.

a. As such, those cameras need to be powered and/or have cat 6 wiring hard wired to those locations.

b. Such wiring may require wall and ceiling cutting and create the need for environmental remediation.

c. Also, the duplexer and recording device equipment would/should be replaced to accommodate for the expansion of the system.

d. Main power electrical upgrades are not considered as part of this scope but ancillary electrical work to support the expanded system is included.

Location	(if available):
	(II uvulluoloj).

FY 23: \$	FY 24: \$100800	FY 25: \$	FY 26: \$
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$100800	
Project Category: Equipment		Project Type: New	
Basis For Estimate: Consultant		Life Expectancy: 15	

Operational Cost Impact: Neutral

Note: No change.

Urgency: 6

Note: It's time to add cameras to unsecure sections of the library. East and West Wings, Third Floor Balcony, 1st floor hallway, door to Flett Room, exterior of the building etc.

Previous Phases: Yes

Can This Be Phased: No

Grants: Have not been identified



Capital Request #fy21sub-87

Department: Title[.] Upgrade & Replace Unit Ventilators Library Description: Upgrade/replace unit ventilators - Cost assumes replacement of the ventilators. a. Cost provided based on unit pricing and logistics for removal and installation of new including ancillary costs for electrical and plumbing. b. Specifications for such would come from a mechanical, Electrical, plumbing (MEP) engineer. Location (if available): FY 23: \$ FY 24: \$308900 FY 25: \$ FY 26: \$ FY 27: \$ FY 28: \$ FY 23 – 28 Total: \$308900 Project Category: Equipment Project Type: Replacement Basis For Estimate: Consultant Life Expectancy: 20 Operational Cost Impact: Decrease to expenses Note: More expensive to not replace than replace. Useful Life 20 years. Urgency: 3 - System has needed unanticipated repairs Note: Beyond useful life Previous Phases: No Can This Be Phased: No Grants: Have not been identified



Capital Request #fy21sub-88

Department:	Title:
Library	Chiller Rooftop Replacement

Description: Chiller replacement – Cost assumes chiller replacement in like kind in tonnage.

a. An MEP engineer would provide specifications for such a replacement.

b. We also suggest an energy model be performed as this directly affects the tonnage requirements and may provide some insight of the heat loss/AC deficiencies in the interior thereby dictating further insulation work or more controls for the system.

c. The cost does not provide for a building management system or updated controls – simply the replacement of the existing unit.

d. It accounts for ancillary electrical and plumbing work – however, it does not account for any major plumbing or electrical upgrades that very possibly maybe needed.

e. The cost includes roof repairs associated with the replacement.

f. The cost does not include any structural repairs that maybe required for code reasons or otherwise.

g. A vibration absorbing structure is also not included in the cost.

Location (if available):					
FY 23: \$	FY 24: \$358000	FY 25: \$	FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$358000			
Project Category: Equipment		Project Type: Replacement			
Basis For Estimate: Consultant		Life Expectancy: 20			
Operational Cost Impact: Decrease to expenses					
Note: Less repairs, less expenditures.					
Urgency: 4 - Has outlived its useful life					
Note: Health and Safety. This past summer cooling centers were needed often. The Library was not listed as one, as the HVAC system is unreliable. Useful Life 20 years.					
Previous Phases: No					
Can This Be Phased: No					
Grants: Have not been identified					


Capital Request #fy21sub-89

Department:Title:LibraryReplace Windows and Exterior Doors

Description: Replace windows and exterior doors – Window specifications would be an important component to understand. Windows have energy components, reflectivity attributes and aesthetics.

a. The cost assumption is to replace windows like kind with new double pane windows with no consideration for upgraded UV glass, energy, or reflectivity.

b. Associated woodwork and caulking are included in cost assumption.

c. Environmental is not included in the cost assumption for this line item.

d. Door replacement would include keeping the existing frame and only replacement of the door, weather stripping and threshold.

i. Frames remain as removing the same very possibly can create a structural issue and additional work to prep the opening for a new frame.

Location (if available):								
FY 23: \$	FY 24: \$530500	FY 25: \$ FY 26: \$						
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$530500						
Project Category: Equipment		Project Type: Replacement						
Basis For Estimate: Consultant		Life Expectancy: 20						
Operational Cost Imp	act: Decrease to expense	ès	*					
Note: Far improved energy efficiency								

Urgency: 4 - Has outlived its useful life

Note: Some won't open, many won't stay open. Many are rotted and let water into the walls and building exterior.

Previous Phases: No

Can This Be Phased: No

Grants: Other

Department	Location	Project Title	Fiscal Year	FY20)24	FY2	025	FY2	026	FY2	027	FY2028
Police		Replace Update Server	FY24	\$	12,000							
Police		Replace Police portable radios	FY24	\$	150,000	\$	150,000					
Police		Replace Fiber Multiplexers	FY25			\$	100,000					
Police		Replace CAD and RMS Server	FY25			\$	20,000					
Police		Replace Call/Radio Logging Recoder	FY25			\$	18,000					
Police		Replacement of Police Domain Controllers	FY25			\$	20,000					
Police		Town-wide Base Radio Replacement	FY26 FY27					\$	100,000	\$	100,000	
Police		Replacement of Police Network Switches	FY26					\$	35,000			
Police		Replace Department Sidearms	FY26					\$	30,000			
Police S	Summary			\$	162,000	\$	308,000	\$	165,000	\$	100,000	\$ -

RELIMON AND AND AND AND AND AND AND AND AND AN	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 22 CBR-12						
Department: Police	Title: Replace Undate Server						
Description: This is to replace our windows update server, last replaced in FY18							
Location (if available):							
FY 23: \$	FY 24: \$12000	FY 25: \$	FY 26: \$				
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$12000					
Project Category: Equ	ipment	Project Type: Replacement					
Basis For Estimate: In	-house estimate	Life Expectancy: 5					
Operational Cost Impa	act: Neutral	•					
Note:							
Urgency: 4 - Has outli	ved its useful life						
Note:							
Previous Phases: No							
Can This Be Phased: N	No						
Grants: Have not been identified							



Capital Request #fy21sub-82

Department:	Title:							
Police	Replace Police porta	Replace Police portable radios						
Description: Replacement of Police department portable radios, last replaced in FY16								
Location (if available)	Location (if available):							
FY 23: \$	FY 24: \$150000	FY 25: \$150000 FY 26: \$						
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$300000						
Project Category: Equ	ipment	Project Type: Replacement						
Basis For Estimate: Ve	endor	Life Expectancy: 7						
Operational Cost Impa	act: Neutral							
Note: No Impact								
Urgency: 4 - Has outli	ved its useful life							
Note:								
Previous Phases: No								
Can This Be Phased: Y	Yes							
Grants: Have not been identified								

THE LMONTON	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 22 CBR-13							
Department: Police	Title: Replace Fiber Multiple	Title: Roplage Fiber Multiplevers						
Description: This is a Town Wide benefit request. This is to replace the fiber multiplexers that are used to connect all the Town radio equipment, base radios, receivers, and remotes to the main antenna site. There are also multiplexers that tie together the fire stations and police station. Placeholder amount								
Location (if available)	-							
FY 23: \$	FY 24: \$	FY 25: \$100000 FY 26: \$						
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$100000						
Project Category: Equi	ipment	Project Type: Replacement						
Basis For Estimate: Ot	her	Life Expectancy: 10						
Operational Cost Impa	ct: Neutral							
Note:								
Urgency: 4 - Has outli	ved its useful life							
Note:								
Previous Phases: No								
Can This Be Phased: Y	<i>Y</i> es							
Grants: Have not been identified								

A CONTRACT OF THE STATE	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 22 CBR-14							
Department:	Title: Replace CAD and RMS Server							
Description: To replace the Computer Aided Dispatch and Records Management System server, last replaced in FY20								
Location (if available)	Location (if available):							
FY 23: \$	FY 24: \$	FY 25: \$20000	FY 26: \$					
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$200	00					
Project Category: Equi	ipment	Project Type: Replacement						
Basis For Estimate: In-	-house estimate	Life Expectancy: 5						
Operational Cost Impa	ct: Neutral		•					
Note:								
Urgency: 4 - Has outli	ved its useful life							
Note:								
Previous Phases: No								
Can This Be Phased: N	lo							
Grants: Have not been identified								

A CORDORATED HIST	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 22 CBR-15						
Department: Police	Title: Replace Call/Radio Logging Recoder						
Description: To replace the telephone and radio logging recorder, we last updated the unit in FY19							
Location (if available):							
FY 23: \$	FY 24: \$	FY 25: \$18000	FY 26: \$				
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$180	000				
Project Category: Equ	ipment	Project Type: Replacement					
Basis For Estimate: In	-house estimate	Life Expectancy: 5					
Operational Cost Impa	act: Neutral	•	•				
Note:							
Urgency: 4 - Has outli	ved its useful life						
Note:							
Previous Phases: No							
Can This Be Phased: N	No						
Grants: Have not been identified							



Capital Request #fy21sub-79

Department: Title[.] Replacement of Police Domain Controllers Police Description: Replacement of Police network domain controller computers, last replaced in FY19 they will be at the end of the life cycle for system support and maintenance Location (if available): FY 26: \$ FY 23: \$ FY 24: \$ FY 25: \$20000 FY 27: \$ FY 28: \$ FY 23 – 28 Total: \$20000 Project Category: Equipment Project Type: Replacement Basis For Estimate: In-house estimate Life Expectancy: 5 **Operational Cost Impact: Neutral** Note: No impact Urgency: 4 - Has outlived its useful life Note: Previous Phases: No Can This Be Phased: No

Grants: Have not been identified

1.	JE LMONT
E	
R.	ORPORATED

Capital Request #fy21sub-83

Department: Police

Title: Town-wide Base Radio Replacement

Description: Replace all Town base radio equipment and infrastructure, this is a Town wide request as the Police department maintains all base equipment and connectivity for the antenna site. The equipment was last replaced in FY16 Note budget number is a placeholder

Location (if available):								
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$100000					
FY 27: \$100000	FY 28: \$	FY 23 – 28 Total: \$200000						
Project Category: Equi	pment	Project Type: Replacem	ient					
Basis For Estimate: Ot	her	Life Expectancy: 10						
Operational Cost Impact: Neutral								
Note: No impact								
Urgency: 4 - Has outliv	ved its useful life							
Note:								
Previous Phases: No								
Can This Be Phased: Y	<i>'</i> es							
Grants: Have not been identified								



Capital Request #fy21sub-84

Department:	Title:						
Police	Replacement of Police	e Network Switches					
Description: Replacement of Police department network switches, last replaced in FY18							
Location (if available):							
FY 23: \$ FY 24: \$ FY 25: \$ FY 26: \$35000							
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$350	000				
Project Category: Equi	ipment	Project Type: Replacement					
Basis For Estimate: In	-house estimate	Life Expectancy: 7					
Operational Cost Impa	ict: Neutral	·	·				
Note: No Impact							
Urgency: 4 - Has outli	ved its useful life						
Note:							
Previous Phases: No							
Can This Be Phased: N	lo						
Grants: Have not been identified							

A CONTRACTOR	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 22 CBR-16							
Department: Police	Title: Replace Department Si	Title: Replace Department Sidearms						
Description: Officer's sidearms were last replaced around 2015 and will be at the end of their expected life								
Location (if available)								
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$30000					
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$300	00					
Project Category: Equi	ipment	Project Type: Replacement						
Basis For Estimate: In-	-house estimate	Life Expectancy: 10						
Operational Cost Impa	ict: Neutral							
Note:								
Urgency: 4 - Has outli	ved its useful life							
Note:								
Previous Phases: No								
Can This Be Phased: N	ło							
Grants: Have not been identified								

Department	Location	Project Title	Fiscal Year	FY202	24	FY2	025	FY2	026	FY2	027	FY20)28
Public Works		#73 - 10"	FY24	\$	26,265								
		Material											
		Spreader											
Public Works		#32 -	FY24	\$	49,545								
		Snowfighter											
		Conversion											
Public Works		#1 -	FY25			\$	40,850						
		Administrative											
		Hybrid Vehicle											
Public Works		#67 - 9'	FY26					\$	16,710				
		Material											
		Spreader											
Public Works		#37 - Snow	FY26					\$	49,545				
		Fighter											
		Conversion											
Public Works		#34 - Snow	FY27							\$	49,545		
		Fighter											
		Conversion											
Public Works		#47 - Wacker	FY27							\$	95,235		
		Sidewalk											
		Snowblower											
Public Works		#46 Wacker	FY28									\$	95 <i>,</i> 235
		Sidewalk											
		Tractor											
Public Works		#42 Vent-Trac	FY28									\$	61,500
		Sidewalk											
		Tractor											

Department	Location	Project Title	Fiscal Year	FY20)24	FY2	025	FY2	026	FY2	027	FY2	028
Public Works -		#119 - 19,000	FY24	\$	71,155								
Cemetery		GVW Dump											
		Truck											
Public Works -		#116 - 19,000	FY25			\$	71,155						
Cemetery		GVW Dump											
		Truck											
Public Works -		#102 - 1 Ton	FY24	\$	58,310								
Parks		4WS Pick-up											
		Truck											
Public Works -		Toro - 16' Cut	FY24	\$	92,925								
Parks		Riding Mower											
Public Works -		#104 - 1 Ton	FY25			\$	58,310						
Parks		4WD Pick-up											
		Truck											
Public Works -		#107 John	FY26					\$	44,570				
Parks		Deere Tractor											
DPW S	ummary			\$	298,200	\$	170,315	\$	110,825	\$	144,780	\$	156,735

ALL MONTON	Comr To Capital	nonwealth of M Dwn of Be Request	Iassachusetts elmont #fy21sub-36	
Department: Public Works	Title: #73 - 10" Material Spr	eader		
Description: Replace #	73 - 10' Material Sprea	der		
Location (if available)	•			
FY 23: \$	FY 24: \$26265	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$2	26265	
Project Category: Equi	ipment	Project Type: Repla	cement	
Basis For Estimate: Qu	ıote	Life Expectancy: 12		
Operational Cost Impact: Decrease to expenses Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.				
Urgency: 3 - System h	as needed unanticipated	l repairs		
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

A CONTRACTOR OF THE STATE	Comn To Capital	nonwealth of Ma Dwn of Bel Request #	ssachusetts mont fy21sub-38	
Department: Public Works	Title: #32 - Spowfighter Con	version		
Description: Replace #	$\frac{32}{32}$ - Snow Fighter Con	version		
Location (if available)	:			
FY 23: \$	FY 24: \$49545	FY 25: \$	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$495	545	
Project Category: Equi	ipment	Project Type: Replacer	nent	
Basis For Estimate: Qu	uote	Life Expectancy: 10		
Operational Cost Impa	act: Decrease to expense	S		
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.				
Urgency: 3 - System h	as needed unanticipated	repairs		
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

ALL MOATEN HIST	Comn To Capital	nonwealth of Mas Own of Bel Request #	ssachusetts mont fy21sub-43	
Department:	Title:	1 . 1 . 7 . 1		
Description: Replace #	#1 - Administrative Hy 41 - Administrative Vehi	cle		
Location (if available)	•			
FY 23: \$	FY 24: \$	FY 25: \$40850	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$408	50	
Project Category: Equ	ipment	Project Type: Replacement		
Basis For Estimate: Q	uote	Life Expectancy: 8		
Operational Cost Impact: Decrease to expenses				
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.				
Urgency: 3 - System h	as needed unanticipated	repairs		
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

ALE LMONTON	Comm To Capital	nonwealth of Ma Dwn of Bel Request #	ssachusetts mont fy21sub-46		
Department:	Title:	don			
Description: Replace #	Public Works #67 - 9' Material Spreader Description: Replace #67 - 9' Material Spreader				
Location (if available)					
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$16710		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$16	0710		
Project Category: Equ	ipment	Project Type: Replacement			
Basis For Estimate: Qu	ıote	Life Expectancy: 18			
Operational Cost Impa	ct: Decrease to expense	es			
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.					
Urgency: 3 - System has needed unanticipated repairs					
Note:					
Previous Phases: No					
Can This Be Phased: No					
Grants:					

ALL MOATEN INST	Comn To Capital	nonwealth of Mas Own of Bel Request #	ssachusetts mont fy21sub-48	
Department:	Title:			
Public Works	#3/ - Snow Fighter Con	nversion .		
Description: Replace #	⁴ 37 - Snow Fighter Conv	version		
Location (if available)				
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$49545	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$495	545	
Project Category: Equi	ipment	Project Type: Replacen	nent	
Basis For Estimate: Qu	uote	Life Expectancy: 10		
		<u> </u>		
Operational Cost Impa	ect: Decrease to expense	S		
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.				
Urgency: 3 - System h	as needed unanticipated	repairs		
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

A CONTRACTOR OF A CONTRACTOR O	Comn To Capital	nonwealth of Mas Own of Beli Request #1	ssachusetts mont fy21sub-49			
Department:	Title: #34 Snow Fighter Co	nversion				
Description: Replace #	#34 - Snow Fighter Conv	version				
Location (if available)	:					
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$			
FY 27: \$49545	FY 28: \$	FY 23 – 28 Total: \$495	45			
Project Category: Equi	ipment	Project Type: Replacement				
Basis For Estimate: Qu	uote	Life Expectancy: 10				
		<u></u>				
Operational Cost Impa	act: Decrease to expense	S				
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.						
Urgency: 3 - System h	Urgency: 3 - System has needed unanticipated repairs					
Note:	Note:					
Previous Phases: No						
Can This Be Phased: No						
Grants:						

ALL MOAT	Comn To Capital	nonwealth of Mas Own of Beli Request #f	sachusetts nont fy21sub-50	
Department: Public Works	Title: #47 - Wacker Sidewalk	Snowblower		
Description: Replace #	47 - Wacker Sidewalk S	Snowblower		
Location (if available)				
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$	
FY 27: \$95235	FY 28: \$	FY 23 – 28 Total: \$952	35	
Project Category: Equi	ipment	Project Type: Replacem	nent	
Basis For Estimate: Qu	uote	Life Expectancy: 12		
		<u> </u>		
Operational Cost Impa	ect: Decrease to expense	S		
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.				
Urgency: 3 - System h	as needed unanticipated	repairs		
Note:				
Previous Phases: No				
Can This Be Phased: No				
Grants:				

UL LMONT	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-7				
Department: Public Works	Title: #46 Wacker Sidewalk	Tractor			
Description: Sidewalk	tractor for snow remov	al			
Location (if available)	:				
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$		
FY 27: \$	FY 28: \$95235	FY 23 – 28 Total: \$952	235		
Project Category: Equ	ipment	Project Type: New			
Basis For Estimate: Qu	uote	Life Expectancy: 20			
Operational Cost Impa	act: Neutral	·			
Note:					
Urgency: 4 - Has outlived its useful life					
Note:					
Previous Phases: No					
Can This Be Phased: No					
Grants:	Grants:				

ULL INOVATION	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-8					
Department: Public Works	Title: #42 Vent-Trac Sidewal	k Tractor				
Description: Sidewalk	tractor for snow remov	al				
Location (if available)	:					
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$			
FY 27: \$	FY 28: \$61500	FY 23 – 28 Total: \$61	500			
Project Category: Equ	ipment	Project Type: New				
Basis For Estimate: Q	uote	Life Expectancy: 20				
Operational Cost Impa	act: Neutral	·				
Note:						
Urgency: 4 - Has outli	Urgency: 4 - Has outlived its useful life					
Note:						
Previous Phases: No						
Can This Be Phased: Yes						
Grants:	Grants:					

A REAL PROPERTY OF THE PROPERT	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-41				
Department:	Title:				
Cemetery	#119 - 19,000 GV W J	Dump Truck			
Description: Replace #	‡119 - 19,000 GVW D	ump Truck			
Location (if available):					
FY 23: \$	FY 24: \$71155	FY 25: \$	FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total	: \$71155		
Project Category: Equ	ipment	Project Type: Rep	placement		
Basis For Estimate: Q	uote	Life Expectancy: 8			
Operational Cost Impa	act: Decrease to expense	ses			
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.					
Urgency: 3 - System has needed unanticipated repairs					
Note:					
Previous Phases: No					
Can This Be Phased: No					
Grants:					

A REAL PROPERTY OF THE PROPERT	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-45				
Department:	Title:				
Public Works - Cemetery	#116 - 19,000 GVW D	Jump Truck			
Description: Replace #	‡116 - 19,000 GVW Du	mp Truck			
Location (if available)	Location (if available):				
FY 23: \$	FY 24: \$	FY 25: \$71155	FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$71	155		
Project Category: Equ	ipment	Project Type: Replace	nent		
Basis For Estimate: Q	uote	Life Expectancy: 8			
Operational Cost Impa	act: Decrease to expense	es			
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.					
Urgency: 3 - System has needed unanticipated repairs					
Note:					
Previous Phases: No					
Can This Be Phased: No					
Grants:	Grants:				

A CONTRACT OF THE STATE	Com T Capita	monwealth of I Sown of I I Reques	of Massachusetts Belmont st #fy21sub-39		
Department: Public Works - Parks	Title: #102 - 1 Ton 4WS Pi	ck-un Truck			
Description: Replace #	4102 - 1 Ton 4WD Pic	k-up Truck			
Location (if available)	•				
FY 23: \$	FY 24: \$58310	FY 25: \$	FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Tot	al: \$58310		
Project Category: Equi	ipment	Project Type: R	eplacement		
Basis For Estimate: Qu	ıote	Life Expectanc	y: 8		
Operational Cost Impa	ect: Decrease to expense	ses			
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.					
Urgency: 3 - System h	as needed unanticipate	ed repairs			
Note:					
Previous Phases: No	Previous Phases: No				
Can This Be Phased: No					
Grants:					

A CONTRACT OF THE PARTY OF THE	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-40				
Department: Public Works - Parks	Title: Toro - 16' Cut Riding N	Jower			
Description: Replace	Foro 16' Cut Riding Mov	wer			
Location (if available):					
FY 23: \$	FY 24: \$92925	FY 25: \$	FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$9)2925		
Project Category: Equ	ipment	Project Type: Replacement			
Basis For Estimate: Q	uote	Life Expectancy: 8			
Operational Cost Impa	act: Decrease to expense	es			
Note: By replacing thi maintenance costs.	Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.				
Urgency: 3 - System h	as needed unanticipated	l repairs			
Note:					
Previous Phases: No	Previous Phases: No				
Can This Be Phased: No					
Grants:					

A REAL PROPERTY OF THE PROPERT	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-44					
Department: Public Works Parks	Title: #104 1 Top 4WD Pig	k up Truck				
Description: Replace #	#104 - 1 Ton 4WD Pick	-up Truck				
Location (if available)	:					
FY 23: \$	FY 24: \$	FY 25: \$58310	FY 26: \$			
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$583	310			
Project Category: Equi	ipment	Project Type: Replacer	cement			
Basis For Estimate: Qu	uote	Life Expectancy: 8				
Operational Cost Impa	act: Decrease to expense	es				
Note: By replacing this maintenance costs.	Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.					
Urgency: 3 - System h	as needed unanticipated	1 repairs				
Note:						
Previous Phases: No	Previous Phases: No					
Can This Be Phased: No						
Grants:						

ALL MONTON	Comr To Capital	nonwealth of N DWN Of Bo Request	Aassachusetts elmont #fy21sub-47			
Department: Public Works - Parks	Title: #107 John Deere Tract	or				
Description: Replace #107 - John Deere Tractor						
Location (if available)	•					
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$44570			
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$	644570			
Project Category: Equi	ipment	Project Type: Repla	acement			
Basis For Estimate: Qu	uote	Life Expectancy: 1	0			
Operational Cost Impa	act: Decrease to expense	es				
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.						
Urgency: 3 - System h	as needed unanticipated	l repairs				
Note:	Note:					
Previous Phases: No						
Can This Be Phased: No						
Grants:						

Department	Location	Project Title	Fiscal Year	FY20	24	FY2	025	FY2	026	FY2	027	FY2	028
Public Works -		#5 - 1 Ton 4WD	FY25			\$	58 <i>,</i> 310						
Sewer		Pick-up Truck											
Public Works -		#52 -	FY25			\$	40,225						
Sewer		Emergency											
		Service Hybrid											
		Van											
Public Works -		#17 - 40,000	FY24	\$	153,320								
Sewer		GVW Dump											
		Truck											
Public Works -		#50 - Vactor	FY24	\$	257,500								
Sewer		Machine											
Public Works -		#8 - 1 Ton 4WD	FY25			\$	58,310						
Sewer		Pick-up Truck											
Public Works -		#12 - 40,000	FY26					\$	153,320				
Sewer		GVW Dump											
		Truck											
Public Works -		Replace #25	FY26					\$	220,625				
Sewer		Front End											
		Loader	-							-			
Public Works -		#25 Front End	FY27							Ş	220,625		
Sewer		Loader											
Public Works -		#11-	FY28									Ş	153,320
Sewer		40,000GVW											
		Dump Truck											
Sewer S	ummary			\$	410,820	\$	156,845	\$	373,945	\$	220,625	\$	153,320

A CONTRACT OF THE PARTY OF THE	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-14				
Department: Public Works - Sewer	Title: #5 - 1 Ton 4WD Pick-u	ıp Truck			
Description: Replace #	5 - 1 Ton Pick-up Truck	K			
Location (if available)	Location (if available):				
FY 23: \$	FY 24: \$	FY 25: \$58310	FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$583	10		
Project Category: Equ	ipment	Project Type: Replacem	lent		
Basis For Estimate: Qu	ıote	Life Expectancy: 8			
Operational Cost Impa	ct: Decrease to expense	S	4		
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.					
Urgency: 3 - System h	as needed unanticipated	repairs			
Note:	Note:				
Previous Phases: No					
Can This Be Phased: No					
Grants:					



Capital Request #fy21sub-15

Department: Title:

Public Works - Sewer #52 - Emergency Service Hybrid Van

Description: Replace #52 - Emergency Service Van

Location (if available):

EV 23. \$	EV 24. \$	EV 25: \$40225 EV 26: \$
<u>F 1 23. \$</u>	<u> </u>	<u> </u>
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$40225
Project Category: Equipment		Project Type: Replacement

Basis For Estimate: Quote Life Expectancy: 8

Operational Cost Impact: Decrease to expenses

Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.

Urgency: 3 - System has needed unanticipated repairs

Note:

Previous Phases: No

Can This Be Phased: No

Grants:

LINO AVERAGE	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-17				
Department: Public Works - Sewer	Title: #17 - 40,000 GVW Dump Truck				
Description: Replace #	17 - 40,000 GVW Dum	p Truck			
Location (if available):					
FY 23: \$	FY 24: \$153320	FY 25: \$	FY 26: \$		
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$1533	320		
Project Category: Equi	pment	Project Type: Replacem	ent		
Basis For Estimate: Qu	iote	Life Expectancy: 15			
Operational Cost Impa	ct: Decrease to expenses	5			
Note: By replacing this maintenance costs.	s piece of equipment it w	vill run more efficient wi	th lower repair &		
Urgency: 3 - System ha	as needed unanticipated	repairs			
Note:					
Previous Phases: No					
Can This Be Phased: N	lo				
Grants:					



Capital Request #fy21sub-19

Department: Title:

Public Works - Sewer #50 - Vactor Machine

Description: Replace #50 - Vactor Machine (split cost with Water Enterprise)

Location (if available):

FY 23: \$	FY 24: \$257500	FY 25: \$	FY 26: \$
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$2575	500

Life Expectancy: 15

Project Category: Equipment Project Type: Replacement

Basis For Estimate: Quote

Operational Cost Impact: Decrease to expenses

Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.

Urgency: 3 - System has needed unanticipated repairs

Note:

Previous Phases: No

Can This Be Phased: No

Grants:

CONTRACT OF THE SECOND	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-18					
Department: Public Works - Sewer	Title: #8 - 1 Ton 4WD Pick-u	in Truck				
Description: Replace #8 - 1 Ton 4WD Pick-up Truck						
Location (if available)	Location (if available):					
FY 23: \$	FY 24: \$	FY 25: \$58310	FY 26: \$			
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$583	10			
Project Category: Equ	ipment	Project Type: Replacen	nent			
Basis For Estimate: Qu	uote	Life Expectancy: 8				
Operational Cost Impa	act: Decrease to expense	'S				
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.						
Urgency: 3 - System h	as needed unanticipated	repairs				
Note:	Note:					
Previous Phases: No						
Can This Be Phased: No						
Grants:						



Capital Request #fy21sub-21

Department: Title:

Public Works - Sewer #12 - 40,000 GVW Dump Truck

Description: Replace #12 - 40,000 GVW Dump Truck

Location (if available):

FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$153320	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$153320		
Project Category: Equipment		Project Type: Replacement		

Basis For Estimate: Quote Life Expectancy: 15

Operational Cost Impact: Decrease to expenses

Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.

Urgency: 3 - System has needed unanticipated repairs

Note:

Previous Phases: No

Can This Be Phased: No

Grants:

A DECORPORATED INST	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 22 CBR-18					
Department: Public Works - Sewer	Title: Replace #25 Front End	Loader				
Description: Replace #	eplace #25 Front End Loader					
Location (if available):						
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$220625			
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$2200	525			
Project Category: Equi	ipment	Project Type: Replacement				
Basis For Estimate: Qu	ıote	Life Expectancy: 15				
Operational Cost Impa	ct: Increase to expenses					
Note: By replacing this maintenance costs	Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs					
Urgency: 4 - Has outli	ved its useful life					
Note:	Note:					
Previous Phases: No						
Can This Be Phased: No						
Grants:						
ULL MOVIES	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-11					
-------------------------------------	---	---------------------------	-----------	--	--	--
Department: Public Works - Sewer	Title: #25 Front End Loade	r				
Description: Front end	loader					
Location (if available)	:					
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$			
FY 27: \$220625	FY 28: \$	FY 23 – 28 Total: \$220)625			
Project Category: Equ	ipment	Project Type: Replacement				
Basis For Estimate: Qu	ıote	Life Expectancy: 15				
Operational Cost Impa	ct: Neutral	•	•			
Note:						
Urgency: 4 - Has outli	ved its useful life					
Note:						
Previous Phases: No	Previous Phases: No					
Can This Be Phased: N	lo					
Grants:						

L.MOATOURS	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-20						
Department: Public Works - Sewer	Title: #11-40,000GVW Dum	Fitle: #11-40.000GVW Dump Truck					
Description: Replace #	±11 - 40,000 GVW Dum	np Truck					
Location (if available)	:						
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$				
FY 27: \$	FY 28: \$153320	FY 23 – 28 Total: \$153320					
Project Category: Equ	ipment	Project Type: Replacement					
Basis For Estimate: Q	uote	Life Expectancy: 15					
Operational Cost Impa	act: Decrease to expense	2S					
Note: By replacing thi maintenance costs.	s piece of equipment it	will run more efficient w	ith lower repair &				
Urgency: 3 - System h	as needed unanticipated	l repairs					
Note:							
Previous Phases: No							
Can This Be Phased: N	ło						
Grants:	Grants:						

Department	Location	Project Title	Fiscal Year	FY20	24	FY2	025	FY20	026	FY20	27	FY2028	
Public Works -		#88 - Closed	FY24	\$	79,800								
Water		Utility 4WD											
		Truck											
Public Works -		#50 - Vactor	FY24	\$	257,500								
Water		Machine											
Public Works -		#83 - Closed	FY25			\$	79,800						
Water		Utility 4WD											
		Truck											
Public Works -		#85 - 40,000	FY25			\$	153,320						
Water		GVW Dump											
		Truck											
Public Works -		#77 -	FY26					\$	31,575				
Water		Administrative											
		Hybrid Vehicle											
Public Works -		#80 -	FY26					\$	38,310				
Water		Emergency											
		Service Hybrid											
		Van											
Public Works -		#76 -	FY27							\$	31,575		
Water		Administrative											
		Hybrid Vehicle											
Public Works -		#89 -	FY27							\$	25,450		
Water		Emergency											
		Lighting Plant											
Water S	Summary			\$	337,300	\$	233,120	\$	69,885	\$	57,025	\$	-

ULL LNOA DE LA COMPORTINA	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-25					
Department: Public Works - Water	Title: #88 - Closed Utility 4W	D Truck				
Description: Replace #88 - Closed Utility 4WD Truck						
Location (if available):						
FY 23: \$	FY 24: \$79800	FY 25: \$	FY 26: \$			
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$7980	00			
Project Category: Equi	ipment	Project Type: Replacement				
Basis For Estimate: Qu	ıote	Life Expectancy: 10				
Operational Cost Impa	ct: Decrease to expenses	5	4			
Note: By replacing this maintenance costs.	s piece of equipment it w	vill run more efficient wi	th lower repair &			
Urgency: 3 - System h	as needed unanticipated	repairs				
Note:						
Previous Phases: No						
Can This Be Phased: N	lo					
Grants:						

THE LMONT	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-28					
Department: Public Works - Water	Title: #50 - Vactor Machine					
Description: Replace #	50 - Vactor Machine (sp	olit cost with Sewer Ente	rprise)			
Location (if available)	:					
FY 23: \$	FY 24: \$257500	FY 25: \$	FY 26: \$			
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$257500				
Project Category: Equipment		Project Type: Replacement				
Basis For Estimate: Qu	ıote	Life Expectancy: 15				
Operational Cost Impa	act: Decrease to expense	s				
Note: By replacing this maintenance costs.	s piece of equipment it v	will run more efficient w	ith lower repair &			
Urgency: 3 - System h	as needed unanticipated	repairs				
Note:						
Previous Phases: No						
Can This Be Phased: N	ło					
Grants:						

A DECEMBER OF THE PARTY OF THE	Comn To Capital	nonwealth of Mas Dwn of Bell Request #1	ssachusetts mont fy21sub-26	
Department: Public Works - Water	Title: #83 - Closed Utility 4V	VD Truck		
Description: Replace #	#83 - Closed Utility 4W	D Truck		
Location (if available)	:			
FY 23: \$	FY 24: \$	FY 25: \$79800	FY 26: \$	
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$798	00	
Project Category: Equ	ipment	Project Type: Replacement		
Basis For Estimate: Q	uote	Life Expectancy: 8		
Operational Cost Impact: Decrease to expenses				
Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.				

Urgency: 3 - System has needed unanticipated repairs

Note:

Previous Phases: No

Can This Be Phased: No

A DECEMBER OF THE PARTY OF THE	Comn To Capital	nonwealth of Mas Own of Beli Request #f	sachusetts nont fy21sub-22				
Department: Public Works - Water	Title: #85 - 40.000 GVW Du	mp Truck					
Description: Replace #	Description: Replace #85 - 40,000 GVW Dump Truck						
Location (if available)	Location (if available):						
FY 23: \$	FY 24: \$	FY 25: \$153320	FY 26: \$				
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$153	320				
Project Category: Equ	ipment	Project Type: Replacement					
Basis For Estimate: Q	uote	Life Expectancy: 15					
Operational Cost Impa	act: Decrease to expense	S	1				
Note: By replacing thi maintenance costs.	Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.						
Urgency: 3 - System h	as needed unanticipated	repairs					
Note:							
Previous Phases: No							
Can This Be Phased: N	No						
Grants:							

THE LMONTON	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-24						
Department: Public Works - Water	Title: #77 - Administrative Hy	Title: #77 - Administrative Hybrid Vehicle					
Description: Replace #77 - Administrative Vehicle							
Location (if available)	Location (if available):						
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$31575				
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$3157	75				
Project Category: Equi	ipment	Project Type: Replacem	lent				
Basis For Estimate: Qu	uote	Life Expectancy: 8					
Operational Cost Impa	act: Decrease to expenses	5					
Note: By replacing this maintenance costs.	s piece of equipment it v	vill run more efficient wi	th lower repair &				
Urgency: 3 - System h	as needed unanticipated	repairs					
Note:							
Previous Phases: No							
Can This Be Phased: No							
Grants:							



Commonwealth of Massachusetts Town of Belmont

Capital Request #fy21sub-29

Department:

Public Works - Water #80 - Emergency Service Hybrid Van

Description: Replace #80 - Emergency Service Van

Location (if available):

FY 23: \$	FY 24: \$	FY 25: \$ FY 26: \$38310)
FY 27: \$	FY 28: \$	FY 23 – 28 Total: \$38310	
Project Category:	Equipment	Project Type: Replacement	

Life Expectancy: 10 Basis For Estimate: Quote

Operational Cost Impact: Decrease to expenses

Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.

Urgency: 3 - System has needed unanticipated repairs

Note:

Previous Phases: No

Can This Be Phased: No

ULL LNOA DE LA COMPOSITION	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-27					
Department: Public Works - Water	Title: #76 - Administrative Hybrid Vehicle					
Description: Replace #76 - Administrative Vehicle						
Location (if available)						
FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$			
FY 27: \$31575	FY 28: \$	FY 23 – 28 Total: \$3157	75			
Project Category: Equi	pment	Project Type: Replacement				
Basis For Estimate: Qu	iote	Life Expectancy: 8				
Operational Cost Impa	ct: Decrease to expenses	S	1			
Note: By replacing this maintenance costs.	s piece of equipment it v	vill run more efficient wi	th lower repair &			
Urgency: 3 - System h	as needed unanticipated	repairs				
Note:						

Previous Phases: No

Can This Be Phased: No



Commonwealth of Massachusetts Town of Belmont

Capital Request #fy21sub-30

Department: Title:

Public Works - Water #89 - Emergency Lighting Plant

Description: Replace #89 - Emergency Lighting Plant

Location (if available):

FY 23: \$	FY 24: \$	FY 25: \$	FY 26: \$
FY 27: \$25450	FY 28: \$	FY 23 – 28 Total: \$2545	50
Project Category: Equi	pment	Project Type: Replacem	ent

Basis For Estimate: Quote Life Expectancy: 20

Operational Cost Impact: Decrease to expenses

Note: By replacing this piece of equipment it will run more efficient with lower repair & maintenance costs.

Urgency: 3 - System has needed unanticipated repairs

Note:

Previous Phases: No

Can This Be Phased: No

Department	Location	Project Title	Fiscal Year	FY	2024	FY2025	FY2026	FY2027	FY2028
Community		Pavement	FY23 FY24	\$	1,904,216	\$ 1,951,821	\$ 2,000,617	\$ 2,050,632	\$ 2,101,898
Development		Management	FY25 FY26						
			FY27 FY28						
Public Works		Sidewalk	FY23 FY24	\$	243,680	\$ 249,770	\$ 256,010	\$ 262,410	\$ 268,970
		Maintenance	FY25 FY26						
			FY27 FY28						
Pavement	Summary			\$	2,147,896	\$ 2,201,591	\$ 2,256,627	\$ 2,313,042	\$ 2,370,868
GRAND	TOTAL			\$	9,779,482	\$ 7,928,061	\$ 4,995,782	\$ 5,495,772	\$ 5,997,183

THE LMONTON	Commonwealth of Massachusetts Town of Belmont Capital Request #FY 23 CBR-27				
Department:	Title:				
Development	Pavement Management				
Description: Reconstruction of Town roadways utilizing two override sources of funding (2001 and 2015) and Ch 90 state aid (not reflected in the CBC request)					
Location (if available):					
FY 23: \$1857772	FY 24: \$1904216	FY 25: \$1951821	FY 26: \$2000617		
FY 27: \$2050632	FY 28: \$2101898	FY 23 – 28 Total: \$11866956			
Project Category: Public improvement		Project Type: Reconstruction			
Basis For Estimate: In-house estimate		Life Expectancy: 25			
Operational Cost Impact: Decrease to expenses					
Note: Decrease in expenses due to less need for routine maintenance on roads to be reconstructed.					
Urgency: 1 - System has failed					
Note: Roads to be reconstructed have failed an are in need of repair.					
Previous Phases: Yes					
Can This Be Phased: Yes					
Grants: Other					

A REAL PROPERTY OF THE PROPERT	Commonwealth of Massachusetts Town of Belmont Capital Request #fy21sub-2				
Department: Public Works	Title: Sidewalk Maintenance				
Description: Repair or Replace Cement Concrete Sidewalks and Granite Curbing as needed throughout the town.					
Location (if available):					
FY 23: \$237730	FY 24: \$243680	FY 25: \$249770	FY 26: \$256010		
FY 27: \$262410	FY 28: \$268970	FY 23 – 28 Total: \$151	8570		
Project Category: Public improvement		Project Type: Reconstruction			
Basis For Estimate: Other		Life Expectancy: 25			
Operational Cost Impact: Neutral					
Note:					
Urgency: 1 - System has failed					
Note:					
Previous Phases: Yes					
Can This Be Phased: Yes					
Grants:					