



TOWN of BROOKLINE
Massachusetts

BUILDING DEPARTMENT

Charles A. Simmons
Director of Public Buildings

TO: Select Board
School Committee
Building Commission

FROM: Charles A. Simmons, Director of Public Buildings *CS*

SUBJECT: John R. Pierce School Proprietary Items

DATE: September 13, 2022

After careful consultation with the Design Team and Town Staff, the following is a list of items proposed to be proprietary for inclusion in the referenced project. All of the items are recommended so as to be consistent with materials or systems currently in use in the Town of Brookline. Inclusion of these items as proprietary is in the public interest for ease and cost of maintenance, operations and/or replacements.

You are asked to vote the following proprietary items:

Building Department

Door Hardware:

- Mortise Locksets – Schlage/Allegion
- Cylindrical Locksets – Schlage/Allegion
- Closures – LCN
- Lock Interior Cylinder Indicator – Schlage – L283-711
- Exit Devices – Von Duprin
- Cylinder Cores – Modeco small format IC Mark X4 System
- Panic Electrofied Hardware – QEL-

Fire Alarm:

- Fire Alarm Panel – Notifier
- Box NAPCO Starlink

Security:

- Keycard System – AMAG Technologies
- DOOR Entry Intercom System – Aiphone

Building Automated Controls-

- Johnson Control's Metasys Automated Temperature Controls

IT Department

Speakers:

- Valcom IP

DPW

Civil/Site:

- Manhole Frame – East Jordan Iron Works model 2248Z Frame LA248-5
- Manhole Cover – East Jordan Iron Works model 2248C Cover Town of Brookline Standard
- Pre-formed Reflectorized Thermo Plastic Traffic Markings – PreMark with ViziGrip by Ennis Flint
- Stamped Colorized Brick Pattern – TrafficPatternsXD, offset brick pattern, brick red color by Ennis Flint
- Tape Inlay – 3M “Stamark” 380I E (inlay) by 3M

Traffic and Transportation-

- Red Brick For Crosswalks – TrafficPatternsXD, offset brick pattern, brick red color by Ennis Flint
- Delineator Posts – 36” UFlex flush mounted posts White with 2 yellow stripes by Shur-Tite
- Rectangular Rapid Flashing Beacon - TAPCO RRFB-XL2 double sided System with solar power, iNX push button, and SafeWalk Crosswalk Illuminator
- School Zone Flasher – School Zone Signal by Ocean State Signal
- Speed Display Board – TAPCO FAST-12 Radar Speed Sign with all options including Red/Blue Flashing Bars
- Traffic signal Vehicle/Bicycle Detection – Vantage Next by Iteris
- APS Pedestrian Button – iNS3 iNavigator (3-Wire) by Polara
- Pavement Marking Symbols – Pre Mark with Vizi Grip by Ennis Flint (Preformed Thermoplastic)



TOWN of BROOKLINE

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BUILDING DEPARTMENT

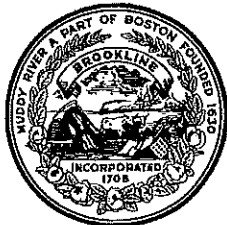
Charles A. Simmons
Director of Public Buildings

- Traffic Signal Controller – M60 series Nema TS2 Controller by Siemens
- Emergency Signal Preemption – 700 Series Opticom Infrared Preemption System by Global Traffic Technologies

Irrigation: Hunter ACC2 with communication module for Centralus

Trash Receptacles: BigBelly HC5/SC5.5 Double Station with foot pedals/side message panel/Telescoping lift bin and 5yr CLEAN software license

Drinking Fountain: Most Dependable Fountains 10140 SMSS Black with ADA/Bottle Filler/Sand strainer/Cut off valve low point drain



TOWN of BROOKLINE

Massachusetts

BUILDING DEPARTMENT

Charles A. Simmons
Director of Public Buildings

TO: Building Commission

FROM: Charles A. Simmons, Director of Public Buildings

SUBJECT: John R. Pierce School Proprietary Items – Building Department ^{CA3}

DATE: September 13, 2022

I would like to offer the following in regards to the following proprietary items and their justification for a proprietary vote.

Door Hardware

The Town has voted for these same proprietary door hardware items for many years on various school or Town Projects.

Mortise Locksets – Schlage/Allegion and Cylinder Cores – Medeco small format IC Mark X4 System

The Town has a Master Key Plan. It is based on Schlage for interior doors. By having a standard lock, all the Town's master keys and submaster keys would be able to work at this school. If this did not happen, staff would need to carry another set of keys. If this was extended to all buildings, there would be a situation where staff would need to carry hundreds of keys. Schlage is a common lock/cylinder. There are multiple sources to purchase this make of cylinder.

Cylinder Lock sets Cores – Schlage/Allegion Medeco, small format, Medeco small format IC Mark X4 System, Lock Interior Cylinder Indicator – Schlage – L283-711

The justification for Medeco equipment is similar to the lockets. The Town has a Master Key Plan. It is based on Medeco for exterior doors. Medeco is a high security keyway system. Blanks need to be signed off individually. By having a standard lock, all the Town's master keys and submaster keys would be able to work at this school. If this did not happen, staff would need to carry another set of keys. If this was extended to all buildings, there would be a situation where staff would need to carry hundreds of keys. Medeco is a common high security lock/cylinder

Closers - LCN

A majority of the door closures used in the Town are LCN. By having one company, there are many benefits. Staff is very familiar with repairs (which we do ourselves) and door closures, especially in the schools, do require high maintenance, the parts would be interchangeable.

There are many LCN dealers that can supply the product. It is a very common product.

Panic Hardware – Electrified - QEL

The justification for Von Duprin equipment is similar to closers. 99% of the door exit devices used in the Town Buildings are Von Duprin. By having one company, there are many benefits. Staff is very familiar with repairs (which we do ourselves) and door closures, especially in the schools, do require high maintenance, the parts would be interchangeable. There are many Von Duprin dealers that can supply the product. It is a very common product.

Exit Devices – Von Duprin

The justification for Von Duprin equipment is similar to closers. 99% of the door exit devices used in the Town Buildings are Von Duprin. By having one company, there are many benefits. Staff is very familiar with repairs (which we do ourselves) and door closures, especially in the schools, do require high maintenance, the parts would be interchangeable. There are many Von Duprin dealers that can supply the product. It is a very common product.

Security

Keycard System – AMAG

The Town uses a standard keycard security. If a different vendor were used, their keycard system would not be compatible with what the Town is using and staff would need to carry two sets of keycards. This is not practical and would be a security concern. AMAG can be sold and installed by multiple dealers.

Door Entry - Aiphone

This system is used primarily by the schools to control access to their building with a simple visual and audio system. Staff have all been trained and are very familiar and comfortable with the equipment.

There parts can be changed out easily if needed and we can replace broken parts with parts from other units that we already have.

Aiphones can be furnished and installed by multiple dealers in the area.

Building Automated Controls – Johnson Metasys Automated Temperature Controls

Johnson Controls is the Town's primary vendor for BAC systems. This is the Energy Management System which controls the Town and Schools HVAC and other related equipment. If a different company's system were installed at the school, it would not be compatible with the rest of the EMS architecture. It would require its own server. It would be separate, stand-alone system. This would create more costs for equipment and more time to separately program and monitor the system.

There are multiple vendors that can install and program the Johnson system. The Town buys replacement and new Johnson equipment from a federal contract. We also install the equipment ourselves.

T O W N



o f B R O O K L I N E
Massachusetts
Department of Public Works

Erin Chute Gallentine
Commissioner

TO: Building Commission, School Committee, and Select Board

FROM: Erin Chute Gallentine, Commissioner of Public Works
Todd Kirrane, Transportation Administrator
Jay Hersey, Director of Water and Sewer
Robert King, Director of Engineering and Transportation
Alexandra Vecchio, Director of Parks and Open Space

SUBJECT: Pierce School Proprietary list – Department of Public Works

DATE: September 21, 2022

Below please find proprietary items utilized and essential for the Department of Public Works and their justification for a proprietary vote. The items listed below are specified on Parks & Open Space, Engineering & Transportation and Water & Sewer Division projects, including as they relate to Brookline Public School Grounds. Standardizing products and systems gives the Town the ability to optimize operations, stock standard supplies for the systems that we manage, and more efficiently maintain the school grounds outside the building envelope.

Traffic & Transportation:

- 36" UFlex Posts by Shur-Tite
- Tapco RRFB-XL2 Solar Powered System
- School Zone Signal System by Ocean State Signal
- Tapco FAST-12 Radar Speed Sign with all options including Red/Blue Flashing
- Vantage Next by Iteris
- iNS iNavigator (3-wire) by Polara
- Pre Mark with Vizi Grip by Ennis Flint
- TrafficPatternsXD
- 3M "Starmark" 380I E(inlay) by 3M
- Chargepoint CT4021 6' Bollard Dual 18' Cord with cell modem
- M60 series Nema TS2 Controller by Siemens
- 700 Series Opticom Infrared Preemption System by Global Traffic Technologies

Civil/Site:

- Manhole Frame & Covers with Town Standard Seal Labeled Sewer or Drain
 - Frame - East Jordan Iron Works model 2248Z Frame LA248-5
 - Cover – East Jordan Iron Works model 2248C Cover Town of Brookline Standard
- Irrigation - Hunter ACC2 with a communication module for Centralus
- Trash Receptacle - BigBelly HC5/SC5.5 Double Station with foot pedals/side message panel/Telescoping lift bin and 5yr CLEAN software license
- Drinking Fountains - Most Dependable Fountains 10140 SMSS Black with ADA/Bottle Filler/Sand strainer/Cut-off valve low point drain

Traffic & Transportation Proprietary Items Justification:

The Town has voted for these same proprietary items for many years on related work in the public way performed as part of School or Town Projects. Below is the justification for the Department's list of proprietary items related to the Town of Brookline Traffic and Transportation assets.

36" UFlex Posts by Shur-Tite – Based on its demonstrated durability and longevity, it has become the adopted Town standard used for delineator posts in separated bike/LIT lanes. The Department of Public Works exclusively stocks replacement parts for this manufacturer for future maintenance and town staff are trained on their installation, maintenance, and removal.

Tapco RRFB-XL2 Solar Powered System – Based on its effectiveness and ability to meet ADA and Town desired operations including solar power, spotlight, and APS button it has become the adopted Town standard used for RRFB installations town wide. The Department of Public Works exclusively stocks replacement parts for this manufacturer for future maintenance and Town staff are trained on their maintenance.

School Zone Signal System by Ocean State Signal - It has become the adopted Town standard used for School Zone Signal installations town wide. The Department of Public Works exclusively stocks replacement parts for this manufacturer for future maintenance and Town staff are trained on their maintenance.

Tapco FAST-12 Radar Speed Sign with all options including Red/Blue Flashing Bars - Based on its demonstrated effectiveness in speed reduction and other Town desired operations, it has become the adopted Town standard used for Radar Speed display boards townwide. The Department of Public Works exclusively stocks replacement parts for this manufacturer for future maintenance and Town staff are trained on their maintenance.

Vantage Next by Iteris - Based on its effectiveness, it has become the adopted Town standard used for traffic signal vehicle and bike detection townwide. The Department of Public Works exclusively stocks replacement parts for this manufacturer for future maintenance and Town staff are trained on their maintenance.

iNS iNavigator (3-wire) by Polara - Based on its effectiveness and ability to meet ADA and Town desired operations, it has become the adopted Town standard used for Accessible

Pedestrian Push Buttons at all traffic signal locations townwide. The Department of Public Works exclusively stocks replacement parts for this manufacturer for future maintenance and Town staff are trained on their maintenance.

Pre Mark with Vizi Grip by Ennis Flint - Based on its demonstrated durability and longevity, it has become the adopted Town standard used for all preformed thermoplastic pavement marking symbols townwide.

TrafficPatternsXD - Based on its demonstrated durability and longevity, it has become the adopted Town standard used for red brick and other designed crosswalks on roadways townwide.

3M "Starmark" 380I E(inlay) by 3M - Based on its demonstrated durability and longevity, it has become the adopted Town standard used for crosswalk markings townwide when installed in conjunction with new roadway surface treatments.

Chargepoint CT4021 6' Bollard Dual 18' Cord with cell modem communications and extended parts & on-site labor warrant - Based on its demonstrated durability and longevity, as well as its integrated online network management system, it has become the adopted Town standard used for all EV Charging Stations installed on public property that is owned, operated, and maintained by the Town.

M60 series Nema TS2 Controller by Siemens – This traffic controller has become the adopted Town standard used for traffic signal controller installations townwide. The Department of Public Works exclusively stocks replacement parts for this manufacturer for future maintenance and Town staff are trained on their maintenance.

700 Series Opticom Infrared Preemption System by Global Traffic Technologies - This traffic signal pre-emption system has become the adopted Town standard used for traffic signal installations townwide and is the system that communicates with the installed equipment in our public safety emergency vehicles. The Department of Public Works exclusively stocks replacement parts for this manufacturer for future maintenance and Town staff are trained on their maintenance.

Site/Civil Proprietary Items Justification:

The Town has voted for these same proprietary items for many years on related work in the public way performed as part of School or Town Projects. Below is the justification for the Department's list of proprietary items related to the Town of Brookline Traffic site and civil engineering assets.

Manhole Frames and Covers with Town stamped seal labeled sewer or drain. The cover shall be – East Jordan Iron Works model 2248C Cover Town of Brookline Standard and Frame shall be – East Jordan Iron Works model 7278Z Type C Frame. These are forged with the Town seal and label. East Jordan Iron Works is the only foundry in the area that makes this product.

Irrigation - Hunter ACC2 with a communication module for Centralus – The Town utilizes a Master Control System by Hunter Industries and this type of controller is what will

communicate with our system. The Department of Public Works can more effectively and efficiently maintain and operate irrigation systems using this type of controller.

Trash Receptacle - BigBelly HC5/SC5.5 Double Station with foot pedals/side message panel/Telescoping lift bin and 5yr CLEAN software license - Big Belly is a sole source provider for the Town of solar compactor trash receptacles and recycling units with smart technology. These are the Town's standard trash/recycling units for the public realm as the technology reports into an existing BigBelly software tool that notifies the Department as to the fill depth of the units. They are solar-powered and support the Town's sustainability goals and they hold 5x the volume of regular open trash receptacles. In addition, they are rodent proof which is a major health and safety concern in the Town of Brookline.

Drinking Fountains - Most Dependable Fountains 10140 SMSS Black with ADA/Bottle Filler/Sand strainer/Cut-off valve low point drain - Based on its effectiveness, it has become the adopted Town standard used for outdoor drinking fountains townwide. The Department of Public Works stocks replacement parts for this manufacturer for future maintenance and Town staff are trained on their maintenance.