

Take a closer look at our
proposed Fleet and Equipment Acquisitions

As well as the rest of Norristown's FIRST
Capital Improvement Plan
by visiting

Norristown.org/CIP2017



FLEET AND EQUIPMENT ACQUISITIONS

“Having the right tools for the job...”

Everyday, municipal staff and crews utilize dozens of pieces of equipment and numerous vehicles to maintain roads, patrol streets, and fight fires. This section of the 2017-2021 Capital Improvement Plan includes proposed acquisitions as well as replacements for our current equipment and fleet of municipal vehicles.

This brochure includes information about:

- Road Repair & Street Sweeping Equipment
- Landscaping Equipment
- Public Works Vehicles & Equipment
- Heavy Equipment
- Municipal Vehicle Replacement Plan

**Cost of all Proposed Fleet & Equipment Acquisitions:
\$ 4,283,180.67***

*Working Estimate: Does not indicate final total cost



Road Repair & Street Sweeping Equipment



Model RA 2000 Spray Patcher



Marathon Model Kera 145 Asphalt Kettle



Elgin Broom Badger Mechanical Street Sweeper

Equipment

Lee Boy/Rosco Model RA 2000 Spray Patcher

The spray patcher would fill and give a semi-permanent repair to a pothole. The current use of a shovel and tamper is one of the most inefficient and ineffective ways to repair potholes.

Equipment

Hydrostatic Asphalt Vibratory Roller 16-90

The asphalt roller would be used to aid in repair of street patching and pothole repair. The roller could also be used to smooth out some of the fields used by our local sports teams.

Equipment

Marathon Model Kera 145 HD Rubberized Asphalt Kettle

The asphalt kettle crack sealing machine would prevent the asphalt from eroding into a hole reducing the amount of potholes in town. The kettle would also be used to seal around manholes and inlets, a process that is current done by hand and not very efficient.

Equipment

Elgin Broom Badger Four Wheel Mechanical Sweeper with 2016 Isuzu NRR Cab

Over the past two years, the out of service rate for the Municipality's two sweepers has steadily increased, with the Municipality spending \$100,000 outside repairs over the past thirty months alone.

Staff recommends the purchase of replacement machines for the two municipal street sweepers. The replacement machines would be a different model, allowing for a lower cost per mile and a more productive and effective sweeping program.

Landscaping Equipment



John Deere 1600 Turbo Wide Area Mower



John Deere 1585 Terrain Cut Multi-Purpose Mower



New Vermeer Model BC 1500 Brush Chipper

Equipment

John Deere 1600 Turbo Series II Commercial Wide Area Mower with 4-Post ROPS Canopy

The size limitations of our current mowing equipment is limited to a maximum of 6' while most are 5'. The wide area mower would cover almost 12' of cutting surface and greatly reduce the time spent cutting.

Equipment

John Deere 1585 Terrain Cut with Comfort Cab Front Mower

Attachments

Mower Deck

60" SnowBlower

60" Front Blade

The TerrainCut is a multiuse piece of equipment that can be used as a front deck mower during the spring and summer months, aid in leaf collection during the fall, can be used as a 60" snowblower/plow.

Equipment

John Deere Z970R Commercial ZTrack Mower

The ZTrack 900 Series mower would increase productivity by allowing us to cover more area in a single pass. The ZTrack mower would cover almost double the capacity (12' of cutting surface) of our current machines (which possess a 6' max coverage area).

Equipment

New Vermeer Model BC1500 15" Capacity Brush Chipper

With the unavailability of replacement parts, the Municipality's 28 year old wood chipper is no longer effective for use.

Public Works Vehicles & Equipment



Vactor 2103 Vacuum Truck - Inlet Cleaning



EcoQuip Spray Paint/Graffiti Blaster



Public Works Pick-up Trucks

Equipment

Vactor 2103 Vacuum Truck

Our storm water inlets quickly fill with trash and other debris on a daily basis. The current vacuum truck does a good job of picking up the debris from the bottom of the inlet sump but has no capability of cleaning out the line that goes from inlet to inlet. A new vacuum truck improve drainage and improve our storm water management system.

Equipment

RoadLazer RoadPak Road Striper

The road striper system would increase our ability to paint streets faster and more efficiently. The system is modular, meaning that it can be moved , and can be used to paint crosswalks and arrows as well.

Equipment

EcoQuip Spray Paint/Graffiti Blaster

Procurement of this machine would enhance our ability to remove unwanted paint and graffiti throughout our community. The Eco-Quip offers a variety of pressures that can be utilized for removal of paint layer by layer, while protecting the sub-surface.

Equipment

Small Pick-Up (2017 Ford F-350)

Class 5 Medium Duty (2017 Ford F-550)

Class 8 Med. Duty (2017 Ford F-750 Diesel)

2017 Ford F550 Chassis XL

4x4 SD Regular Cab 145" WB DRW

The addition of more trucks of varying sizes will greatly increase the Municipality's ability to fight snow and ice. The use of proper equipment would increase the productivity and effectiveness of the fleet by reducing the time spent fighting the storm, lowering overall costs, and would reduce vehicle repair downtime due to an aging and ailing fleet.

Heavy Equipment



544K Wheel Loader



410L Backhoe Loader



John Deere 5085M Utility Tractor

Equipment

544K Wheel Loader

Due to age (1986), the Municipality's current machine has become no longer effective. The addition of a new, modern wheel loader machine would greatly reduce downtime as well as increase productivity.

Equipment

410L Backhoe Loader

The current backhoe owned by the Municipality is sixteen years old and is starting to become ineffective and costly to maintain. A backhoe is a very versatile machine and is used to perform many functions. The addition of a new updated modern backhoe would aid in snow and ice control procedures by reducing failures due to age and use.

Equipment

John Deere 5085M Utility Tractor

Attachments

John Deere H260 Standard Loader

John Deere MX8 Pull Type CD Cutter

Purchasing a tractor with various attachments would greatly aid in many of the jobs and services provided by Public Works. A tractor's capabilities include: mowing large areas as well as hard to reach areas, that would require crews to use push mowers, tree trimming, and so much more. Adding a tractor to the municipal fleet would enhance the fleet overall performance, increase productivity, and enhance the efficiency of operations

Municipal Vehicle Replacement Plan



Norristown PD - Ford Explorer



Norristown Fire - Fire Engine

| Dept. | Year , Make, Model | Year |
|--------|---------------------------|------|
| Police | 2009 Ford Crown Victoria | 2017 |
| Police | 2000 Chevy Van | 2017 |
| Police | 2010, Ford Crown Victoria | 2017 |
| Police | 2010, Ford Crown Victoria | 2018 |
| Police | 2010, Ford Crown Victoria | 2018 |
| Police | 2010, Ford Crown Victoria | 2018 |
| Police | 2000, Ford Crown Victoria | 2018 |
| Police | 2000, Chevy Van | 2018 |
| Police | 2007, Ford Explorer | 2019 |
| Police | 2010, Mercury Marquis | 2019 |
| Police | 2001, Ford Crown Victoria | 2018 |
| Police | 2003, Ford Crown Victoria | 2018 |
| Police | 2010, Ford Focus | 2019 |
| Police | 2010, Ford Focus | 2017 |
| Police | 2010, Ford Focus | 2019 |
| Police | 2010, Ford Focus | 2019 |
| Police | 2010, Ford Focus | 2019 |
| Police | 2010, Ford Focus | 2019 |
| Fire | 2002, Lafrance Quint 27 | 2017 |
| Fire | 2010, Ford Explorer | 2018 |
| Fire | 1994, Fire Engine 27-3 | 2019 |
| Codes | 2004, Chevy Impala | 2017 |
| Rec | 2009, Dodge Caravan | 2018 |