

Great Ideas Implemented in 2017

- Added a pre-wetting brine tank to the sidewalk tractor to help activate the salt and melt snow & ice more efficiently.
- Shared staff between multiple divisions to help cover MSB clerical workload while filling vacancy.
- Created an Employee Recognition Team to plan and organize various employee recognition events.
- Traffic Division loaned their aerial truck to the Forestry Division to help make the winter small tree pruning process safer and more efficient.
- Two operations supervisors studied to become Certified Tree Care Safety Professionals.
- Added additional safety latches to the new HSP snow plow lift chains to prevent the lift chains from coming unhooked during plowing.
- Added a loop hose to the hydraulic coupler at the front of the tri-axle trucks to reduce hydraulic system lockup, which helps make the re-connection process safer and more efficient.
- Labeled all APD Ford Interceptor wire harnesses during equipment installation to help make future repairs and servicing more efficient.
- Changed battery vendors which significantly reduced battery failures in CEA equipment.
- Installed carbide cutting edge plow blades to increase the life of the blades from a few weeks with the old style blades to 3 years with the carbide blades.
- Worked with Fire Department to develop procedures and conduct training for donning and doffing Blood Borne Pathogens PPE.
- Worked with PAC staff to implement Special Event Parking in the Green Parking Ramp.

- Added a liner and applied a snow release chemical to the semi-trailer to significantly improve the safety and efficiency of dumping snow and materials from the truck.
- Conducted a Trailer Safety and Load Securement Training to ensure we are meeting DOT regulations and operating in a safe manner.
- Created a street sweeping map to make the spring sweeping program more efficient and improve communication between the various shifts and divisions involved.
- Applied a "Mastik One" material around manholes that are sticking up above the pavement to help prevent plow damage and plow operator injury.
- Developed a custom curb box part ("slider") to help perform repairs more efficiently compared to digging and replacing the entire curb box.
- CEA fabricated custom water distribution valve parts that can no longer be purchased through a vendor, resulting in a cost savings to the City.
- Switched to a new vending machine service that offers a wider selection of products, healthier snack options and convenient payment methods.
- Added private lead water service information into the GIS map to make this information easily accessible for staff and available for customers.
- Starting using a custom squeegee for crack filling streets which has made the process more efficient and reduced material usage by over 35%.
- Started using detack spray on the crack filler tar which is cheaper and faster than using other materials (toilet paper) and also allows traffic to drive on the streets almost immediately after application.
- Utilized the concrete mill on Calumet Street to level out the raised concrete road panels. This process was an effective and very cost efficient method compared to hiring a contractor to make the repairs.
- Utilized the traffic line grinder to grind sidewalk trip hazards which is a more ergonomic, safer and efficient tool for this process.
- Attached carbide blocks on the nose of the Tink Claw buckets to reduce wear and extend the life of the unit.

- Installed strobe lights to all forklifts to make them more visible in low light areas.
- Installed strobe lights to the water constructions trailers and wired them to come on automatically when the truck warning lights are turned on.
- Fabricated a steel wedge to use when sawing concrete to prevent pinching and damaging the road saw blade.