

# Traffic Signal Maintenance Guide

- 1.) Conflict Monitor Testing – It is a good idea to have your conflict monitor tested with an automatic conflict monitor tester once a year. This is a service that a traffic signal maintenance contractor can provide. It is also recommended that the monitor be returned to the manufacturer every two (2) years for re-certification. The manufacturer will thoroughly test and certify the monitor for proper operation, repair as needed, upgrade firmware and provide new factory warranty for up to 2 years. Please contact your local Path Master Sales rep to help facilitate this process.
- 2.) Video Detection Camera- It is a good idea to wipe the lenses of each camera every year following the winter season to keep the grime from building up. Use only water and a rag, DO NOT USE SOLVENTS, as there is a special coating on the lenses. It is not necessary, but it helps to have a video monitor available to watch the video and see how much it helps to wipe off the dirty lens. Any CCTV monitor can be used that accepts an analog BNC video input.
- 3.) Battery Back Up System – It is a good idea to have the battery backup system tested and batteries tested once a year. The battery voltage should be 12-13 VDC for each battery and battery testers are available for purchase. The life expectancy of a battery is 3-5 years, so prepare a schedule to replace the batteries for optimal performance. There is a maintenance guide for the Battery Back Up System in either the cabinet that encloses the Battery Back Up or the white box inside the traffic cabinet. It is recommended to follow the manufacturers guide for Battery Back Up Maintenance in order to prolong the life of the system.
- 4.) Traffic Cabinet – There is a cabinet filter, much like a furnace filter, that keeps the cabinet clean and allows for air circulation. This filter should be changed every year, or when the filter is deemed dirty. It is also recommended to make sure that all of the field connections are nice and tight. Best to tighten all of the screws to ensure that the terminals will not come off.
- 5.) Preemption System – The best way to test the preemption system is to have a police/EMS/fire truck run through the system with emitters or sirens to make sure that the confirmation lights come on properly.

There are signal maintenance contractors in the area that can and will perform all of the signal cabinet maintenance outlined above.