

Sole Source Letter

Parsons Transportation Group, Inc. (PTG) has served as the network architect, infrastructure designer, network configuration consultant, network maintainer and central software systems provider continuously since 2016.

PTG developed the overall network plan for every intersection in the County – for both currently implemented and future implementation intersections. This defines the probable and known layer 3 and layer 2 switch locations, and methods (fiber optic and wireless) to be used for communication between them. Every fiber optic splice and termination has been defined and recorded by PTG. This provides DuDOT with a seamless and comprehensive fiber plant documentation – with the additional benefit of all local contractors having consistent, easy to understand documentation.

PTG has configured every network switch, cellular router, wireless transmission system, and firewall on the DuDOT network. This consistency has proven to be very efficient for the county as every network device plugs in and operates properly when initially installed. It also adds to the security of the network as access to sensitive data is controlled.

PTG has maintained the DuDOT network since 2016. Nagios network monitoring system is used to provide DuDOT and PTG alerts if any network device stops communicating. PTG quickly responds to any problems and resolves or creates an action plan and works with the County electrical maintenance contractor(s) and others to resolve expeditiously. There has never been a major network problem while PTG has maintained the network.

PTG has also provided central software services to decode and control PTZ camera feeds. This custom software is occasionally enhanced to add features at the direction of DuDOT. The PTG familiarity with the code allows very efficient enhancements – keeping costs down for the County.

PTG is the only source for the services DuDOT requires that can provide elite system performance while simultaneously minimizing costs for the County as evident by the performance history of the DuDOT PTG contracts over the last 10 years.