

FIELD SERVICES

ITS Construction and Installation

Econolite Systems provides construction services for communications infrastructure, including Fiber Optic (FO), serial copper, copper, and wireless communications, as well as communication upgrades, such as serial copper to FO. We also provide construction for traffic signals, Dynamic Message Signs (DMS), Closed-Circuit Television (CCTV) camera systems, ramp metering, and Dedicated Short Range Communications (DSRC) radios for Connected Vehicle (CV) systems. Our team also has cutover capability for technology and routing.

As demand for communications bandwidth and the need to access real-time data continue to escalate, a FO infrastructure is one of the most important investments for future capabilities and growth. FO-based communications is the infrastructure of choice in the business world, and it is becoming the communications backbone for smart public municipal operations, including utilities, transportation, safety, and health and human services.

Econolite is the leader in One-Stop-Shop traffic management solutions, and we are the preferred provider of network communication services and solutions from wireless, microwave, traditional copper, and FO. Through our experience and capabilities in designing, engineering, maintaining, and implementing communication networks, Econolite has a solution for every aspect of the FO infrastructure equation.

CAPABILITIES INCLUDE

- ***IN-HOUSE FIELD TECHNICIANS WITH IMSA FIBER OPTICS CERTIFICATIONS***
- ***INSTALLATION, TROUBLESHOOTING, AND REPAIR OF FIBER OPTIC CABLES AND EQUIPMENT***
- ***EQUIPPED WITH FUSION SPLICERS, OTDRS, FIBER PULLING CAPSTANS, AND FULLY OUTFITTED FIBER OPTIC AND COMMUNICATION VANS***
- ***EXPERIENCE USING THE FUSION METHOD FOR FIBER OPTIC SPLICING AND PERFORMING HARDWARE INTERCONNECT SPLICING USING WEATHER RESISTANT CONNECTORS***



FIBER OPTIC SOLUTIONS

Econolite's Field Services team specialize in delivering custom-tailored Fiber Optic solutions for virtually any size project. Whether it's installing backbone/backhaul cabling or deploying a large-scale complete FO infrastructure, no project is too complicated.

Econolite provides end-to-end Fiber Optic solutions for public agencies and contractors, including:

- **FO Cable Installation and Placement**
 - Horizontal Directional Drilling (HDD)
 - Conduit Installation
 - Aerial Strand and Cable Placement
- **Splicing and Termination of Fiber/Wire Pairing**
- **Programming and Deployment of Layer 2 and Layer 3 Network Switches**
- **Troubleshooting and Repair**
- **Testing and Documentation**
- **After-Hours Emergency Response**



Safety

The safety of the public and our employees is of vital importance, and it guides all of our operations. We conduct weekly safety meetings and require that safety be part of all our Electricians' National Electric Code (NEC) continuing education curriculum.



Quality

Without quality, many other areas like safety and productivity can be affected. This is why we build quality into everything we do. From project planning to delivery, our goal is to ensure that your traffic signal and ITS systems operate safely and efficiently.



Productivity

We always strive for high-productivity to ensure that every project detail is addressed in a timely and efficient manner. We utilize the philosophy of "plan your work, and then work your plan," to ensure that our efforts are well-coordinated and successful.



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