



An Econolite Group Company

February 7, 2017

Ms. Michelle Gonzalez
Transportation Planner
Town of Miami Lakes
6601 Main Street, Suite 208
Miami Lakes, FL 33014

Subject: Miami-Dade Contract #BW9872-MT - Centrac's Expansion, Miami Lakes along NW 154th Street

Dear Ms. Gonzalez:

Aegis ITS is pleased to provide the following quote to extend Miami-Dade's 2070LX pilot scale deployment and Centrac's ATMS installation to include six intersections in Miami Lakes along NW 154th Street, from NW 77th Avenue (Palmetto off-ramp) to NW 87th Avenue. Our quote includes adding six intersections with Centrac's Adaptive to the County's Centrac's license, along with graphics and integration of these intersections into the system.

Our quote also includes supply of the following equipment:

- Econolite Model 2070LX Controller with ASC/3 software (Quantity 6)
- Autoscope Encore video detection, four approach (Quantity 6)
- TrafficCast BlueTOAD (3 field devices and the first 1 year of service)

Video detection is quoted as a standard intersection with mast arms. Included in our quote is 6,000 feet of 3-wire cable. If additional cable is needed, Miami Lakes may purchase in 500' increments at \$0.60/foot.

Bluetooth Travel-time Origin and Destination (BlueTOAD) traffic monitoring system measures travel times using non-intrusive roadside technology. BlueTOAD Ethernet equipment is being supplied for a total of three locations. BlueTOAD field equipment will communicate via cellular modems with the TrafficCast server to provide a variety of travel time information via a web interface.

The central TrafficCast BlueTOAD service that supports the web interface is a subscription based service. Our quote includes pricing for three (3) field devices for the first one (1) year of operation. Miami Lakes will be responsible for any service charges in excess of three devices and for service beyond the first year of operation. Network troubleshooting and configuration is not included in our quote.

Prior to ordering any hardware, the County will need to assess the current field equipment (cabinet and mast arms) at all six intersections and confirm existing equipment is operational/suitable for this equipment. The County will also need to supply 4G modems or fiber to each intersection to provide Ethernet/IP communications. If any Miami Lakes intersection needs equipment replaced/upgraded to make the new system functional, the cost will be the responsibility of Miami Lakes. Miami Lakes will be responsible for hiring a contractor to install the hardware in this quote and any additional items discovered as necessary to meet County specifications. All work must be coordinated with the Miami-Dade County Traffic Signals and Signs Division (TSS) and can only be performed by traffic signal contractors that have been approved by TSS. Miami Lakes may require the services of a qualified traffic engineering consultant to update any signal, timing or operating plans needed by the County for implementing the proposed system at these intersections.

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Centracs Expansion Quote continued

Once hardware is installed, a local Aegis/Econolite technician will provide turn-on support. Once operational, the County will maintain the system.

Item	Quantity	Unit Price	Extended Price
Centracs License expansion, integration and graphics for six intersections	L.S.	\$7,500.00	\$7,500.00
Econolite Model 2070LX Controller with ASC/3 software, includes turn-on support and training	6	\$1,750.00	\$10,500.00
Autoscope Encore (four approach intersection), includes turn-on support and training	6	\$17,225.00	\$103,350.00
Centracs Adaptive Intersection License	6	\$1,700.00	\$10,200.00
Centracs Adaptive Intersection Integration	6	\$750.00	\$4,500.00
BlueTOAD POE-based Hardware w/CAT 5 Cable	3	\$4,297.00	\$12,891.00
BlueTOAD Service (1 Year)	3	\$660.00	\$1,980.00
BlueTOAD Cellular Charge (1 Year)	3	\$324.00	\$972.00
Total Price			\$151,893.00

Pricing is valid for sixty days from the date of this quote and includes shipping, but is exclusive of any sales or use taxes.

Econolite provides a one (1) year warranty beginning upon completion of acceptance testing for Econolite developed ATMS software. Our standard product warranty applies to all other Econolite products and the standard manufacturer's warranty is applied to third-party products purchased by Aegis/Econolite.

We look forward to your favorable consideration and the opportunity to work with Miami-Dade County and Miami Lakes. Please feel free to contact Connie Braithwaite or me directly at 678-641-9236 with any questions regarding this quote.

Sincerely,
Aegis ITS, Inc.

Jon Ringler, P.E.
Regional Vice President