

December 17, 2019

John Ankeny, Traffic Signal Coordinator
Indian River County
Traffic Engineering Division
1801 27th Street - Building A
Vero Beach, FL 32960-3365

Subject: Traffic Management Center Proposal

Dear Mr. Ankeny:

Econolite is pleased to submit this estimate to supply the following elements for your traffic management center. All work is proposed as a complete turn-key delivery.

We look forward to your favorable consideration and working with you. Please feel free to contact Matt Joseph or me directly at 678.641.9236 or by e-mail at jringler@econolite.com with any questions regarding our quote.

Sincerely,
Econolite



Jon Ringler
Vice President

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1. Proposed Solution

Econolite is pleased to provide the following estimate to Indian River County. The following sections summarize the content of our proposed solution:

1.1 Video Management System

Econolite Systems will furnish, install and integrate the Centracas Advanced CCTV module. This module includes the gold standard of world class Video Management System software provided by Genetech. The module will be licensed as follows:

- Advanced CCTV module
- Security Center version 5.5
- 125 field cameras
- 5 concurrent Centracas licenses (SDKs)
- 5 concurrent web licenses for EOC and mobile CCTV system
- Two servers to host Security Center and for archiving purposes (assumes up to 30-day retention period)
- Software Maintenance on Security Center for two years from date of purchase

1.2 Video Wall

Econolite Systems proposes to install a video wall in the existing Transportation Management Center as a turn-key delivery along a single wall. Econolite Systems proposes to use 55” Planar monitors for the video wall. The bezel between each monitor will be 3.7mm. Work will include provision of the monitors, video wall server, mounting brackets and cables, installation, and programming and integration. The figure below represents the number of monitors and layout.

55” Monitors: 4 (columns) x 2 (rows)



Additionally, Econolite Systems will provide one large format (minimum 80”) monitor for the second wall. This monitor will deliver 4k resolution and be used to show camera views, cable TV or powerpoint presentations.

1.3 Large Screen Monitor

Econolite Systems will provide a large screen LED monitor (minimum 80”) with 4K resolution.

1.4 Synchro Module

The Centrac interface module to Trafficware's Synchro® traffic signal optimization and simulation software is proposed furnished, installed and integrated. This module provides the ability to transfer Econolite supported controller phase and coordination data to/from Synchro.

The Centrac Synchro interface provides the ability to import controller phasing and timing data from a Synchro generated Universal Traffic Data Format (UTDF) file into a controller database editor. After importing the UTDF data, the timing information can be saved to the Centrac database. From there, it can be edited and then downloaded to the controller. Any subsequent changes made to the timing plans in Centrac or uploaded from a controller can also be exported back into the UTDF file for import to Synchro.

The Centrac Synchro interface module supports Synchro 6 and Synchro 7 for all Synchro 6 compatible data formats. The Centrac Synchro Interface Module license only pertains to Centrac and the option to export and import data to/from the external Synchro software, it does not include the Trafficware Synchro software itself.

1.5 Workstation Updates

Unit pricing to furnish, install and integrate three workstations with two 27" monitors each is provided. Additionally, pricing to furnish and install a mounting bracket capable of supporting the monitors simultaneously is also provided. One bracket is provided for every two monitors purchased. The Workstations provided will be Dell XPS 8930 or equivalent with an Intel i9-9900K 8-core processor, 32GB RAM, and a 512GB SSD hard drive.

1.6 Centrac Backup Server

Econolite will furnish, configure and install a Centrac backup server for Indian River County. The server will include Microsoft OS and SQL server licensing, and it will be configured to mirror the County's Centrac implementation. Maintaining a backup server will assure the County that its Centrac configuration can be restored in case the primary server were to encounter a failure, and it will enable the County to quickly switch over to operation on the backup server if necessary.

1.7 Standard Operating Procedures (As-Built) Document

Documentation will be provided to fully detail the as-built condition. The document will include the Centrac user manual, system service agreement, system maintenance agreement, file structure, list of critical services, login credentials, server information, rack layout, a quick start guide to gain remote access to the system and servers, wiring diagram, network documentation including design and IP schematic among potentially other system related elements. This item includes up to 1 week for Econolite technical staff to be on-site to gather technical details of the County's existing implementation.

1.8 Training

Econolite will provide up to two (2) days of training to the County after the system integration team demonstrates the system is functionally operational. The training will include instruction on system functionality, use, configuration, and administration. Training should be conducted at the TMC for optimal understanding of the system and should include no more than five (5) people. Pricing includes preparation, travel, materials, and delivery.

2. Pricing

No.	Description	Quantity	Unit	Unit Price	Extended
1.1	Video Management System	1	LS	94,585	94,585
1.2	Video Wall 4x2, one wall, 8 monitors (3.7 mm bezel)	8	EA	10,683	85,464
	High Definition LED 55" Monitors	8	EA	4,195	33,560
	Video Wall Server and Software	1	EA	27,995	27,995
	Mounting Brackets and Cables	1	LS	4,295	4,295
	Installation for built in	1	LS	8,000	8,000
	Programming and Integration	1	LS	11,614	11,614
1.3	Large Screen Monitor	1	EA	4,384	4,384
1.4	Synchro Module	1	LS	2,500	2,500
1.5	Workstations	3	EA	4,166	12,498
1.6	Backup Server	1	LS	26,345	26,345
1.7	As-Built Documentation	1	LS	20,500	20,500
1.8	Training	1	LS	10,026	10,026
				TOTAL	256,302

Terms and Conditions

Payment terms are as follows:

- All prices quoted inclusive of freight.
- Tariffs, if applicable are not included in pricing.
- Prices quoted do not include tax.
- Payment terms are 30 days net after delivery and presentation of a valid invoice.
- Price quotation is valid for 90 days.
- ESI is not responsible for any encroachment permits, fees or special licensing requirements if required for quoted line items.
- Bid bond is not included in pricing.
- Payment and performance bonds are not included in pricing.