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## Request to Use Brevard County Contract to Purchase Traffic Signal Equipment

1 message

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**Benton Bonney** <benton.bonney@cityoforlando.net> Tue, Dec 22, 2015 at 8:02 AM  
To: Brian Ferrier <brian.ferrier@cityoforlando.net>, "Cade Braud, PE, PTOE" <cade.braud@cityoforlando.net>, "Charles A Ramdatt PE, PTOE" <charles.ramdatt@cityoforlando.net>, Frank Consoli <Frank.Consoli@cityoforlando.net>

The City of Orlando maintains 478 signalized intersections. Transportation Engineering (TRE) has been upgrading the communications to those intersections over the past year from serial copper wire (twisted pair) and multimode fiber optic cable to Ethernet over single mode fiber optic cable. This work is already paying dividends in increased reliability (less down time due to old copper and fiber) and less damage to equipment due to lightning-induced electrical surges.

Part of this process includes upgrading the traffic signal controllers from serial to Ethernet communications interfaces. The most economical way to do this is to purchase faceplate kits that the City's Traffic Signal Maintenance staff use to convert the controllers. This process allows the City to build an almost new controller (replacing much of the electronics) at approximately one-half the cost of purchasing a new controller.

This project also includes purchasing two additional devices: replacing the malfunction management unit (MMU) that monitors the traffic signal and detects errors in the controller or wiring, and installing several additional closed circuit TV (CCTV) cameras to monitor traffic at critical intersections.

TRE staff located an existing competitively-bid Brevard County that has all these items. TRE estimates a \$367,000 cost for the controller faceplate kits, MMUs, and CCTVs. FDOT will reimburse the City for this cost via a joint participation agreement (JPA). TRE will also use this contract to purchase traffic signal equipment as needed to replace failed devices.

Please contact me if you have any questions

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Transportation Systems Manager

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You can help us by promptly calling the City of Orlando **T**raffic **M**anagement **C**enter at [407-246-2020](tel:407-246-2020) or emailing [orlando-traffic-concerns@cityoforlando.net](mailto:orlando-traffic-concerns@cityoforlando.net) to report traffic signal problems, traffic signs down, potholes, traffic emergencies, etc. This number is staffed 24 hours a day, 365 days a year.

**Who manages this intersection?** Look for the blue Lake Eola fountain logo in the street name sign. You can call the Orlando TMC when in doubt, and we'll forward your information to the appropriate agency.

