

## **EXHIBIT "T"**

### **TRAFFIC SIGNAL MAINTENANCE AGREEMENT (TSMA)**

**Paragraph 13.14** is expanded by the following:

The parties mutually agree and covenant as follows:

1. When the District Traffic Operations Engineer of the Department has served a request order on the Agency, and the designated officer of the Agency has favorably acknowledged the request order, the Agency shall undertake the responsibilities to maintain and operate existing or new traffic signals and signal systems mentioned in the request order.

2. The proposed functional design and operation of new traffic signals and signal systems shall be reviewed by the Agency in conjunction with the Department prior to installation. Such design and operation will be as energy efficient as possible.

3. The installation of signals or signal systems shall not endanger highway travel and shall be conducted in accordance with Part VI of the Manual on Uniform Traffic Control Devices (MUTCD), as amended, and with all applicable Department standards, specifications and plans governing traffic control for street and highway construction and maintenance.

4. The Agency shall be responsible for the maintenance and continuous operation of the traffic signals and signal systems (central computer, cameras, message signs, and communications interconnect), school zone traffic control devices, intersection flashing beacons, illuminated street sign names, and the payment of electricity and electrical charges incurred in connection with the operation of such traffic signals and signal systems upon completion of their installation. In the case of construction contracts, the Agency shall be responsible for the payment of electricity and electrical charges incurred in connection with the operation of the traffic signals and signal systems, and shall undertake the maintenance and continuous operation of said traffic signals and signal systems upon final acceptance of the installation by the Department. Repair or replacement and other responsibilities of the installation contractor and the Department, during the burn-in period between conditional and final acceptance, are contained in the most recent Department's Standard Specifications for Road and Bridge Construction.

5. The Agency shall maintain and operate the traffic signals and signal systems in a manner that will ensure safe and efficient movement of highway traffic and that agree with maintenance practices prescribed by the International Municipal Signal Association (IMSA) and operational requirements of the MUTCD, as amended. The Agency's maintenance responsibilities shall include, but not be limited to, preventive maintenance (periodic inspection, service, and routine repairs), and emergency maintenance (troubleshooting in the event of equipment malfunction, failure or damage). The Agency shall record its maintenance activities in a traffic signal maintenance log which shall contain, as a minimum, traffic signal log details recommended by the IMSA.

6. The Agency may remove any component of the installed equipment for repair; however, it shall not make any permanent modifications and/or equipment replacements unless the equipment provided is the same age or newer and is capable of performing the same functions. The Department shall not make any modifications and/or equipment replacements without prior written notice to the Agency.

7. The Agency shall set and maintain the timing and phasing of the traffic signals in accordance with the Department's timing and phasing plans, specifications or special provisions. The Agency may make modifications in phasing of traffic signals and signal systems to accommodate changing needs of traffic provided prior written approval is obtained from the Department. Department approval shall be contingent upon an engineering report prepared by or for the Agency in accordance with Section 1A.09, "Engineering Study and Engineering Judgment", of the MUTCD recommending such changes and signed and sealed by a qualified Professional Engineer licensed in the State of Florida. The Agency may make changes in the signal timing provided these changes are made under the direction of a qualified Professional Engineer. The Agency shall send a signed and sealed copy of the timings to the Department immediately after installation. The Department reserves the right to examine equipment, timing, and phasing at any time and, after consultation with the Agency, may specify modifications. If the Department specifies modification in timing and/or phasing, implementation of such modifications shall be coordinated with, or made by the Agency.

**EXHIBIT "T" (continued)**

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8. The Agency shall note in the maintenance log any timing and/or phasing changes and keep a copy of the timings and any approval documentation in a file.

9. The Agency may enter into agreements with other parties pertaining to traffic signals and signal systems including, but not limited to, agreements relating to costs and expenses incurred in connection with the operation of traffic signals and signal systems on the State Highway System provided that such agreements are consistent with the mutual covenants contained in this TSMA. The Agency shall furnish a copy of such agreements to the Department.

10. This TSMA shall remain in force during the life of the originally installed equipment and/or the life of any replacement equipment installed with the mutual consent of the parties hereto until superseded by a Traffic Signal Maintenance and Compensation Agreement between the Department and the Agency.