

## EXHIBIT 2

### TRAFFIC SIGNAL MAINTENANCE AND OPERATION PROVISIONS

The maintaining and operating city agrees to:

1. Unless specifically noted elsewhere in this agreement, the signal timing and operational phasing shall be the responsibility of the city.
2. Inspect the highway traffic signal system a minimum of once every 12 months and replace burned out lamps or damaged sockets as may be required. Police, citizen, or other reports of burned out lamps or other damage, which could jeopardize safety, shall be repaired or replaced as soon as possible after the report, depending on the nature of the report. Otherwise, appropriate steps shall be taken to protect the public. The reflector and lens should be cleaned each time a lamp is replaced. All replacement lamps shall equal the wattage and type of the existing lamp.
3. Keep signal poles, controller pedestals, and foundations in alignment.
4. Keep signal poles and controller cabinets tight on their foundation(s) or pedestal(s).
5. Keep traffic and pedestrian signal heads aligned and properly adjusted. Repair back plates where needed.
6. Check the controllers, conflict monitors, detector units, relays, pedestrian push buttons, and detectors a minimum of once every 12 months to ascertain that they are functioning properly and make all necessary repairs and replacements.
7. Keep interior of controller cabinets in a neat and clean condition at all times.
8. Clean reflectors, lenses, and lamps a minimum of once every twelve months.
9. Repaint all corrosive susceptible highway traffic signal components exposed to weather with a non-lead based paint as needed in order to maintain a well kept appearance in the opinion of the Texas Department of Transportation's representative. Plastic signal heads and galvanized and aluminum components are excluded.
10. Group relamp and incandescent lamps of all highway traffic signal heads at the expiration of the average rated lamp life or replace the lamps on a burn out basis.
11. Repair or replace any and all equipment that malfunctions or is damaged.
12. Provide alternate traffic control during a period of failure or when the controller must be repaired. This may be accomplished through installation of a spare controller, placing the intersection on flash, manually operating the controller, or manually directing traffic through the use of proper authorities. In addition, barricades and warning signs shall be provided in accordance with the requirements of the latest edition of the *Texas Manual on Uniform Traffic Control Devices*.
13. Provide maintenance personnel trained in the maintenance of traffic signal equipment who will be available to respond to emergency calls from authorized parties 24 hours a day,

including Saturdays, Sundays, and holidays.

14. Provide the State and local law enforcement agencies the location and respective names and telephone numbers of individuals responsible for emergency maintenance.

15. Document routine observations during the year by trained City personnel of the traffic signal operation at each traffic signal during various times of the day to assure fair distribution of time and for all traffic movements (phases) during varying traffic conditions.

16. Check cabinet filter a minimum of once every twelve months and clean if necessary. Cabinet filter shall be replaced every two years.

17. Document all checks and corrective actions in a separate log book for each intersection.

18. In metropolitan cities where Intelligent Transportation Systems and/or incident management systems are being implemented the signal timing will be the responsibility of the City in cooperation with the Texas Department of Transportation.

Traffic accidents, inclement weather, special events, maintenance, and construction activities are a few of the causes of nonrecurrent congestion. Nonrecurrent congestion often changes the normal traffic demand patterns. Effective and efficient movement of traffic through the transportation network during periods of nonrecurrent congestion must be considered in the design and operation of all traffic management systems, including traffic signal systems. Priority should be given to freeway or expressway frontage roads when nonrecurrent congestion occurs on freeway or expressway mainlanes.

Power costs shall be billed directly to the State.

TxDOT will be responsible for all ITS equipment in the City, including fiber communication PTZ cameras and network equipment in the cabinets relating to the ITS system.