

OPTICOM DETECTORS

The CONTRACTOR shall furnish and install an opticom detector system manufactured by Global Traffic Technologies for the intersection of Vitruvian Way and Ponte Avenue. The CONTRACTOR shall furnish 4-Type 721 uni-directional opticom detectors, 1-Type 754 4 Channel phase selector, and opticom detector cable.

WIRING

Extra cable length shall be included in each run to provide adequate slack, as determined by the Town, at each ground box or foundation.

No splicing shall be allowed in the opticom detector or VIVDS cables.

No splicing shall be allowed in the traffic signal cable except at the pole base.

SIGNING

All new signs shall be furnished and installed by the CONTRACTOR. All new sign sheeting shall be High Intensity Prismatic (HIP).

The CONTRACTOR shall verify the specifications and all information to be placed on the Illuminated Street Name Signs (ILSNs) with the Town of Addison prior to fabrication. The CONTRACTOR shall contact Ms. Nancy Cline at (972) 450-2871 to obtain this information.

VIDEO IMAGING VEHICLE DETECTION SYSTEM (VIVDS)

All equipment required for installation of a complete Econolite Solo Terra Pro VIVDS detection system, including VIVDS cable, will be furnished and installed by the CONTRACTOR according to TxDOT Special Specification 6266.

VIVDS Processor System: The CONTRACTOR shall furnish and install adequate numbers of VIVDS modular units (a 4 Channel card with expansion module) required to handle four camera inputs.

VIVDS Set-Up System: The CONTRACTOR will not be required to supply a computer for VIVDS set-up on this project. If a computer is required to set-up the VIVDS, the CONTRACTOR shall supply and use his/her own computer.

TRAFFIC SIGNAL CONTROLLER & CABINET ASSEMBLY

The CONTRACTOR shall furnish and install an Econolite ASC/3-1000 TS2 traffic signal controller and cabinet assembly at the intersection of Vitruvian Way at Ponte Avenue. This equipment shall be in accordance with Town of Addison Special Specification A9004. CONTRACTOR shall be paid according to "Installation of Highway Traffic Signals."

A serial port server shall be furnished and installed by the CONTRACTOR according to Town of Addison Special Specification A9006.

The traffic signal controller cabinet shall be aluminum with and aluminum base.

WIRELESS COMMUNICATION

The CONTRACTOR shall furnish and install a Wireless Ethernet Radio Subscriber Unit and CAT 5E Ethernet Cable at the intersection of Vitruvian Way and Ponte Avenue. This equipment shall be furnished in accordance with the Town of Addison Special Specification A9007.

The CONTRACTOR shall furnish and install a Hardened Ethernet Switch inside the controller cabinet at the intersection. The Ethernet Switch shall be supplied in accordance with the Town of Addison Special Specification A9001.

The CONTRACTOR shall also furnish and install a Video Server inside the controller cabinet at the intersection. The Video Server shall be supplied in accordance with the Town of Addison Specification A9002.

TEMPORARY TRAFFIC SIGNALS

A signal technician from the City of Farmers Branch shall be present when the new temporary signal equipment is placed into operation at the intersection of Marsh Lane and Brookhaven Club Drive. The CONTRACTOR shall notify Mr. Dave Davis at (972) 247-3131 approximately 48 hours in advance of beginning work on the existing signal and turning on the additional signal equipment.

The CONTRACTOR shall be responsible for furnishing, installing, and maintaining the existing signal equipment and any temporary traffic signal equipment required at the intersection of Marsh Lane and Brookhaven Club Drive throughout construction. Adjustment and/or modification of said equipment shall also be the responsibility of the CONTRACTOR.

CONTRACTOR shall take possession of and store any traffic signs at the intersection of Marsh Lane and Brookhaven Club Drive that are to be removed during construction and reinstalled upon completion of construction.

CONTRACTOR shall relocate pedestal pole P-2 and all equipment located on the pole at the intersection of Marsh Lane and Brookhaven Club Drive upon completion of construction. Relocation of said equipment, new foundation, anchor bolts, conduit, etc needed to service the pedestal pole at the new location shall be paid for subsidiary to the "Temporary Traffic Signals" bid item.

J. T. Short 4/28/09
DATE

JOSEPH T. SHORT, P.E.
LEE ENGINEERING, L.L.C., REGISTRATION NO. F-450



NO.	REVISION	BY	DATE
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
PAVING, DRAINAGE & UTILITY IMPROVEMENTS VITRUVIAN WAY AND PONTE AVENUE			
GENERAL NOTES SHEET 2 OF 2			
PROJECT	DESIGN	DRAWN	DATE
5029-01	CJP	CJP	APR 28, 2009
FILE	SHEET		
PW# 2009-01	TS3		

PAVING, DRAINAGE & UTILITY IMPROVEMENTS - VITRUVIAN WAY & PONTE AVENUE