

## **NATURE OF WORK:**

### **TRAFFIC MANAGEMENT**

Performs technical work in various phases of a computerized traffic control system operations center (TMC). Performs as the **Signal Timing Engineer**, implementing and modifying signal timing plans for signal systems controlled by the City. Performs upgrades and modifications to traffic signal controller databases using Advanced Traffic Management System software (Cubic/Trafficware's ATMS.now) and traffic modeling using Cubic/Trafficware's Synchro and Tru-Traffic software among others. Conducts field investigations of traffic conditions associated with traffic signals and is responsible for adjusting traffic signal timing plans both on a regular schedule and in response to citizen inquiries. Works closely with the Traffic Signal Maintenance section to update traffic signal timing plans when hardware must be changed and works closely with regional traffic signal timing consultants working on annual corridor re-timing projects. Works closely with FDOT's Signal Timing Group for timing-plans and database updates. Work assignments are received from a professional supervisor who defines the scope of the work to be performed, but the employee is expected to plan details of work and make technical decisions. Work is reviewed while in progress and upon completion.

### **MINIMUM REQUIREMENTS**

Civil Engineer I: Bachelor degree in civil engineering; six months experience in transportation engineering, with specific knowledge and experience in traffic signal systems; or an equivalent combination of education, training, and experience. A valid State of Florida Driver's License may be required in some positions.

Civil Engineer II: Bachelor degree in civil engineering; two years experience in transportation engineering, with specific knowledge and experience in traffic signal systems; or an equivalent combination of education, training, and experience. A valid State of Florida Driver's License may be required in some positions.

Civil Engineer III: Bachelor degree in civil engineering; four years experience in transportation engineering, with specific knowledge and experience in traffic signal systems; or an equivalent combination of education, training, and experience. A valid State of Florida Driver's License may be required in some positions.

Civil Engineer IV: Bachelor degree in civil engineering; four years experience in transportation engineering, with specific knowledge and experience in traffic signal systems; or an equivalent combination of education, training, and experience. Registration as P.E. in the State of Florida is required. Professional Traffic Operations Engineer (PTOE) credential preferred. A valid State of Florida Driver's License may be required in some positions.