

TITLE: **SURVEY TECHNICIAN**

DEFINITION: Under immediate supervision, performs routine surveying work on survey crew.

EXAMPLES OF DUTIES:

- Provides surveying support using various types of survey equipment;
- Expedites survey progress by selecting suitable positions for intermediate instrument points;
- Sets out and removes traffic warning flags and barrier cones;
- Clears obstacles from line of survey as directed;
- Operates survey instruments;
- Set/marks grade stakes, hubs, turning points, and recovers survey monuments;
- Performs construction staking, design surveys, monitoring surveys, monument perpetuation and other types of surveys;
- Makes survey calculations, sketches and field notes;
- Downloads, processes, and uploads survey data;
- Uses other survey equipment or CAD/computer programs;
- Cleans and cares for instruments, tools, vehicles and office spaces;
- Operates City Vehicles incidental to primary assignment;
- Performs other related duties as required.

KNOWLEDGE, SKILLS AND ABILITIES:

- Knowledge of basic survey methods and terms, engineering terms and aptitude, computer programs and mathematical computations, such as geometry and trigonometry;
- Ability and willingness to work in and around heavy traffic and construction sites.
- Ability to pass a TSA background check sufficient to obtain a Transportation Worker Identification Card (TWIC) and/or a Secure Identification Display Area (SIDA) badge within the probationary period.
- Ability to perform the physical labor involved in surveying. This includes repetitive or continuous stooping, twisting, kneeling, walking, standing, lifting/carrying 25 lbs, outside in mild to harsh weather conditions.
- Willingness to work nights, weekends, holidays and overtime as required.
- A valid motor operator's license is required for the position.

MINIMUM REQUIREMENTS:

Six months of paid, full-time equivalent work experience on a survey party engaged in land surveying and/ or civil engineering and six or more units of coursework in land surveying or other related coursework such as civil engineering, geology/earth science, construction management, or Geographic Information System (GIS)

OR

Any combination of the aforementioned experience or education totaling one year.

HISTORY:

Approval/Adoption Dates: 10/09/73

Revised and Approved Civil Service Commission: 12/16/2020