



# Engineering Technician I

Salary Group: A12

Class Code: 2122

<u>CLASS TITLE</u>	<u>CLASS CODE</u>	<u>SALARY GROUP</u>	<u>SALARY RANGE</u>
ENGINEERING TECHNICIAN I	2122	A12	\$27,840 - \$43,798
ENGINEERING TECHNICIAN II	2123	A14	\$31,144 - \$49,134
ENGINEERING TECHNICIAN III	2124	A16	\$34,918 - \$55,130
ENGINEERING TECHNICIAN IV	2125	A18	\$39,521 - \$64,449

## GENERAL DESCRIPTION

Performs entry-to-routine (journey-level) engineering technician work. Work involves conducting surveys and inspections; collecting and correlating engineering data; and preparing reports, drawings, and calculations. Works under moderate supervision, with limited latitude for the use of initiative and independent judgment.

## EXAMPLES OF WORK PERFORMED

Conducts inspections of maintenance and construction projects for compliance with specifications and requirements.

Conducts laboratory tests to verify whether construction materials conform to department specifications.

Installs, operates, and maintains equipment and instruments related to the gathering of engineering or traffic data.

Maintains construction project records.

Prepares estimates, plans, and specifications; and performs mathematical calculations.

Prepares drawings and cross sections of maintenance and construction projects; and prepares tracings, inks, and letters.

Prepares, processes, and maintains reports.

Assists with core drilling operations and equipment.

May perform surveying work.

Performs related work as assigned.

## **GENERAL QUALIFICATION GUIDELINES**

### **EXPERIENCE AND EDUCATION**

Experience in surveying or engineering work. Graduation from a standard senior high school or equivalent is generally preferred. Experience and education may be substituted for one another.

### **KNOWLEDGE, SKILLS, AND ABILITIES**

Knowledge of surveying and engineering principles, techniques, and procedures; of mathematics; of methods, procedures, equipment, and materials used in construction and maintenance work; of applicable inspection methods, procedures, and techniques; of laboratory testing procedures and methodologies; and of applicable safety requirements.

Skill in the operation and maintenance of applicable equipment, tools, and surveying instruments.

Ability to conduct inspections and laboratory tests, to prepare reports, to perform mathematical calculations, and to communicate effectively.