Engineering Aide		**Salary Group: A11** **Class Code: 2119**

CLASS TITLE	CLASS CODE	SALARY GROUP	SALARY RANGE
ENGINEERING AIDE	2119	A11	$26,332 - $41,355

GENERAL DESCRIPTION

Performs entry-level engineering assistance work. Work involves assisting with surveys, inspections, and tests dealing with maintenance or construction projects; collecting and checking engineering data; and preparing reports, mechanical drawings, and calculations. Works under close supervision, with minimal latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Collects samples of construction and maintenance materials.

Conducts maintenance and construction surveys.

Conducts field laboratory tests and analyses and maintains records.

Inspects materials for quality and quantity, and records the data.

Inspects ongoing construction and maintenance project work for compliance with specification requirements.

Operates and maintains equipment.

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

Secures samples of subsurface soil, mud shell, and concrete; and drills water wells using core drilling equipment.

May receive and compile data on engineering projects to compute cost breakdowns, project estimates, and program allotments.

May record field notes and make calculations.

Performs related work as assigned.

GENERAL QUALIFICATION GUIDELINES

EXPERIENCE AND EDUCATION

Experience in 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 construction and maintenance surveying techniques, of mathematics, and of safety requirements.

Skill in the use of applicable tools and surveying instruments; and in preparing drawings, tracings, inks, and letters.

Ability to conduct laboratory tests and analyses, to conduct inspections, and to communicate effectively.