



Engineer II

Salary Group: B23

Class Code: 2153

<u>CLASS TITLE</u>	<u>CLASS CODE</u>	<u>SALARY GROUP</u>	<u>SALARY RANGE</u>
ENGINEER I	2152	B22	\$51,614 - \$84,479
ENGINEER II	2153	B23	\$55,184 - \$90,393
ENGINEER III	2154	B24	\$59,004 - \$96,720
ENGINEER IV	2155	B25	\$63,104 - \$103,491
ENGINEER V	2156	B26	\$69,415 - \$117,397
ENGINEER VI	2157	B27	\$76,356 - \$129,137

GENERAL DESCRIPTION

Performs complex (journey-level) engineering work. Work involves performing or reviewing engineering design, planning, construction, inspection, and maintenance work; and reviewing and issuing permits or authorizations. May provide guidance to others. Works under general supervision, with moderate latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Performs engineering work related to civil or mechanical engineering (in areas such as materials management and construction, traffic, bridge, roadway, or mechanical systems design and maintenance) or engineering work related to environmental, agricultural, or energy engineering (in areas such as water or air pollution, solid waste management, water supply sanitation, insect vector control, energy efficiency and management, and health and radiation control).

Performs and/or reviews hydrologic calculations and studies; and performs and/or reviews hydraulic designs relating to the drainage and distribution of water on inter-state, state, and local highway systems.

Prepares, reviews, and interprets blueprints, schematic drawings, layouts, and other visual aids.

Prepares, modifies, reviews, and/or submits engineering and construction designs, plans, specifications, and estimates.

Calculates and/or reviews costs of materials and estimates of geometrics, hydraulics, grades, quantities, and related areas.

Conducts and/or reviews environmental studies, such as assessing air, water, solid waste and hazardous materials, and pollution control methods; and approves related reports, plans, and specifications.

Conducts technical reviews on engineering proposals and reports.

Reviews applications, approves and issues permits or authorizations, and approves reimbursements.

Meets with the general public, engineers, developers, landowners, and interest groups concerning zoning; subdivision and building projects; and engineering regulations, standards, or policies.

May review and approve payments to contractors.

May design, install, maintain, and provide advice on computer systems and equipment; and evaluate, design, and program computer hardware and software for engineering design applications.

May provide guidance to others.

Performs related work as assigned.

GENERAL QUALIFICATION GUIDELINES

EXPERIENCE AND EDUCATION

Experience in engineering work. Graduation from an accredited four-year college or university with major coursework in engineering or a related field is generally preferred. Experience and education may be substituted for one another.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of engineering principles, practices, techniques, and procedures; of applicable laws, regulations, and rules; and of mathematics.

Skill in the use of computer-aided design techniques.

Ability to design and evaluate engineering projects, to communicate effectively, and to provide guidance to others.

REGISTRATION, CERTIFICATION, OR LICENSURE

Must be licensed as a Professional Engineer by the State of Texas.