Engineer V

Salary Group: B26
Class Code: 2156

CLASS TITLE	CLASS CODE	SALARY GROUP	SALARY RANGE
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	B28	$83,991 - $142,052

GENERAL DESCRIPTION

Performs advanced and/or managerial (senior-level) engineering and oversight work. Work involves managing and directing engineering projects and activities; and reviewing and issuing permits or authorizations. May supervise the work of others. Works under minimal supervision, with considerable latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Manages and 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).

Manages and/or prepares, modifies, or reviews engineering or construction designs, plans, specifications, and estimates including those of the highest complexity; and coordinates with research organizations, governmental agencies, departmental staff, industry producers, and suppliers regarding material specifications.

Oversees the review of applications, issuance of permits or authorizations, and approval of reimbursements.

Oversees contractor performance and approves contractor payments.

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.

Conducts or coordinates field visits, surveys, and inspections; and monitors contractor performance.

Reviews costs of materials and estimates of geometrics, hydraulics, grades, quantities, and related areas.

Reviews and analyzes new materials and design or construction methods for acceptability.

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

Designs, installs, maintains, and provides advice on computer systems and equipment; and evaluates, designs, and programs computer hardware and software for engineering design applications.

Plans, develops, and directs engineering projects; and plans, conducts, and monitors research projects in problem areas.

Provides consultant and liaison services to internal and external organizations regarding new design concepts, solutions to problems, and changes in policies and laws.

Defines objectives and priorities relating to planning, locating, designing, constructing, and monitoring a transportation system.

Prepares budgets and contracts.

May assist with developing and implementing new policies, standards, and procedures for engineering and technical work performed.

May supervise the work of 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; applicable laws, regulations, and rules; mathematics; and project engineering development.

Skill in the use of computer-aided design techniques and computerized design, evaluation, and analysis tools; comprehending technical material; implementation planning; identifying problems and causes; and the use of logic to assess options.

Ability to plan, design, evaluate, and coordinate engineering projects; to communicate effectively; and to supervise the work of others.

REGISTRATION, CERTIFICATION, OR LICENSURE

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