

City of Dallas
Classification Specification

Title:	Engineer	Class Code:	00702
Application:	Career Series	Pay Grade:	K
Supplemental/Code:	Engineer/2	Established:	10/01/94
FLSA Status:	Exempt	Revised:	10/01/14

Position Purpose:

Functions in a staff position as a licensed engineer conducting planning, design, research, and other activities involving quantitative analysis and conventional engineering problem-solving.

Essential Functions:

1. Performs conventional engineering practice in diverse situations ranging from traditional public works projects and capital improvements to water/wastewater projects, traffic flow and signal control, communications, private development, industrial engineering projects, and addressing environmental considerations such as air quality assessments and soil contamination.
2. Provides technical expertise to assist with the development and design of capital construction projects, maintenance projects, plant operations, recommendations for equipment purchase, and other highly technical areas to ensure quality.
3. Develops and reviews plans and specifications, determines scope of work, evaluates proposals, and makes recommendations to ensure projects such as reservoir and drainage modifications, water utilities, parks, aviation facilities, and other new or existing infrastructure comply with city, state, and federal standards.
4. Applies research methodology by gathering and analyzing data to solve diverse problems such as investigating material quality, checking outside consultant work, improving processes, inspecting field conditions, and conducting environmental assessments to determine solutions.
5. Performs quantitative analysis to identify and prioritize expenditures of funds for future projects, calculates cost estimates, conducts feasibility studies, and forecasts problems such as drainage and flooding potentials.
6. Communicates with other divisions, departments, outside consultants, contractors, inspectors, testing laboratories, regulatory agencies, other governmental bodies, and citizens to ensure integrated and coordinated activities and present city's concerns regarding current and pending regulations that affect the city's engineering activities.

Depending on Assignment:

7. Functions as a project manager, supervisor or lead worker to ensure productivity, quality standards, good faith efforts, and timetables are achieved.
8. Develops and administers group's operating budget.
9. Regular, reliable and punctual attendance is an essential function of the job.

Knowledge, Skills and Abilities Required to Perform Work:

Must be a registered Professional Engineer in the State of Texas.

Knowledge of city ordinances, state and federal regulations and professional standards which affect construction and maintenance projects, and other engineering functions.

Knowledge of construction practices.

Ability to conduct studies, research design problems, and apply higher mathematical concepts and methods to make recommendations.

Ability to establish and maintain an effective rapport with all levels of management, city officials, vendors, other government agencies, other employees and the general public.

Ability to communicate effectively both orally and in writing.

Working Conditions and Hazards

Majority of work is performed indoors.

Conducts occasional field visits which require climbing, kneeling, walking, bending, squatting, and driving.

The above statements are intended to describe the general nature and level of work performed by personnel assigned to this classification and is not necessarily an exhaustive list of all responsibilities, duties and skills required.