

**City of Dallas
Classification Specification**

Title:	Senior Engineer	Class Code:	00703
Application:	Career Series	Pay Grade:	M
Supplemental/Code:	Professional/2	Established:	10/01/94
FLSA Status:	Exempt	Revised:	10/01/2014

Position Purpose:

Serves as a project manager for the design and construction of City projects including all aspects of planning, design, bid preparation, cost estimation, and monitoring of construction compliance. May manage a function as a licensed engineer or supervise staff responsible for infrastructure design and construction, conducting studies, research, and other activities involving engineering problem-solving or serves as a senior technical expert responsible for conducting these activities.

Essential Functions:

1. Oversees projects, including serving as project manager, in diverse situations ranging from traditional public works projects and capital improvements to traffic flow and signal control, communications, private development, fire suppression and alarm systems, and addressing environmental considerations.
2. Provides technical expertise to assist with the development and design of capital construction projects, maintenance projects, plant operations, federal permit compliance, recommendations for equipment purchase, and other highly technical areas to ensure quality.
3. Develops and reviews engineering plans and specifications, develops project schedules, determines scopes of work, evaluates proposals, makes modifications, and monitors good faith efforts to ensure projects such as reservoir and drainage modifications, water utilities, parks, aviation facilities, and other new or existing infrastructure comply with standard engineering practices, city requirements, and state and federal standards.
4. Oversees and applies research methodology to solve diverse problems such as investigating material quality, resolving complex design problems, checking outside consultant work, improving processes, inspecting field conditions, and conducting environmental assessments to determine solutions.
5. Communicates with other divisions, departments, outside consultants, contractors, regulatory agencies, inspectors, testing labs, and other governmental bodies to ensure integrated and coordinated activities and present the city's concerns regarding regulations that affect the city's engineering activities.

Depending On Assignment

6. Participates in the selection of consultants and the negotiation of consulting fees.
7. Supervises including assigning work, scheduling, hiring, training, evaluating performance, and other personnel actions to ensure productivity and quality standards are maintained.
8. Administers a budget including budget preparation and expenditure monitoring to ensure operating costs are maintained within budget parameters.
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.

Ability to develop and conduct engineering studies, research design problems, and apply higher mathematical concepts to make sound engineering decisions.

Thorough knowledge of the technical, drainage/ water sewage, and environmental compliance procedures.

Thorough knowledge of city ordinances, state and federal regulations, and professional standards that affect engineering activities.

Knowledge of principles of management and ability to supervise a staff.

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:

Usually works in an office.

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.