

METRO

Classification Description

Title: Senior Engineer

Job Code: 0308

Pay Range: 21

FLSA Status: Exempt- Professional, Learned

Bargaining Unit: AFSCME 3580

Established:

Revised: 2007

Classification Summary:

Perform a variety of the most complex engineering and planning assignments, including the preparation of functional plans, assessing policy impacts of technical issues and regulatory changes, and coordination of all materials, information and human resources as necessary to complete assignments. Act as Project Manager on non-critical Metro projects and as Project Engineer on critical projects when necessary.

Supervision Received:

Supervision is received from a Supervisor, Manager or Director.

Supervision Exercised:

May provide lead direction to other Engineers and lower level staff as assigned.

Distinguishing Features:

The Senior Engineer classification is a single classification and is not part of a classification series.

Essential Functions:

An employee in this classification may perform any of the following duties. However, these examples do not include all the specific tasks, which an employee in this classification may be expected to perform.

1. May act as Project Engineer on projects critical to Metro or as Project Manager on projects deemed non-critical to Metro. Coordinates all materials, information and human resources as is necessary to complete assignments.
2. Provides technical assistance for departmental projects as requested.
3. Develops proposal and bid documents following Metro and State contracting procedures. Selects and hires contractors, consultants and vendors. Negotiates contract changes.
4. Prepares functional plans and elements of regional plans.
5. Analyzes cost-effectiveness of planning alternatives.
6. Performs research and compiles, arranges, analyzes and interprets data.

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7. Prepares special studies, comprehensive reports, related materials and information and presents information to public committees, other agencies and/or department staff as required.
8. Develops financial assessments. Reviews and critiques technical products from contractors.
9. Analyzes, designs and implements an effective course of action in response to mechanical, electrical, environmental and operational difficulties at facilities.
10. Performs administrative tasks in management of grants.
11. Represents Metro at meetings with other local officials for planning and permitting.

Secondary Functions:

1. Provides staff support to technical and advisory committees
2. Prepares preliminary and detailed engineering specifications
3. Performs other related duties as assigned

Job Specifications:

Bachelor's degree in engineering and four years of experience in engineering with emphasis on regional planning, or any combination of education and experience which would provide the applicant with the desired knowledge, skills, and ability required to perform the job. Possess, or have the ability to obtain, a valid professional engineering license within one year of appointment.

- In-depth knowledge of engineering design, and construction principles, practices and methodologies as related to regional planning
- In-depth knowledge of research and data analysis methods and modeling techniques
- Knowledge of local geography and resources as they relate to regional planning
- Ability to apply and utilize data processing methods, applications, and equipment to effectively develop and maintain regional plans and records
- Ability to organize and coordinate major planning projects independently
- Ability to accurately analyze situations and design and implement effective course of action
- Ability to communicate effectively, both orally and in writing, including strong presentation skills
- Ability to direct the work of others
- Ability to establish and maintain effective working relationships with contractors, consultants, other agencies, and Metro staff.
- Ability to obtain and keep a valid driver's license

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Working Conditions:

This position requires the ability to perform those activities necessary to complete the essential functions of the job, either with or without reasonable accommodation. Duties are primarily performed in an office environment while sitting at a desk or computer terminal. Additionally, employees will be required to visit project site and inspect progress through visual and walking tours. Position may require frequent or continuous sitting, talking, repetitive motions of the hands/wrists and good general hearing. May also require occasional standing, walking, reaching, bending and ability to lift and/or carry up to 50 pounds.