

Classification description



Title: Transportation Engineer II
Job Code: 0077
Pay range: 22
FLSA Status: Exempt – Professional, Learned

Employee Group: AFSCME 3580
Established: March 2006
Revised: 2007, 7/2019, 6/2020
EEO Category: Professionals

DESCRIPTION

Perform as the senior transportation engineer in a regional planning department with responsibility for advanced level engineering for roads and streets from highways to bike paths; and for funding agency reviews and comments on project engineering plans, designs, project management, and construction. Duties also include representing the funding agency to local governments and community, and engineering input on development models. The job's scope includes multi-project management functions with multiple jurisdictions and involvement from inception through completion. The position has high visibility with responsibility for interface with Metro planners as well as council and commissions.

SUPERVISION RECEIVED

Supervision is received from a Supervisor, Manager or Director.

SUPERVISION EXERCISED

May provide lead direction to other professional and lower level staff and contractors.

DISTINGUISHING FEATURES

The Transportation Engineer II classification is distinguished from the Transportation Engineer I and the Senior Engineer classification by its specialized focus on transportation projects and on its high-level involvement in policy formulation within that area of expertise. An incumbent in this class is recognized as the agency's resident technical expert in matters related to transportation engineering.

DUTIES AND RESPONSIBILITIES

1. Acts 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. Coordinates and leads the work of lower level staff and contractors.
3. Provides technical assistance for departmental projects as requested.
4. Develops proposal and bid documents following Metro and State contracting procedures. Selects and hires contractors, consultants and vendors. Negotiates contract changes.
5. Prepares functional plans and elements of regional plans.
6. Analyzes cost-effectiveness of planning alternatives.

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

Education/Licensing and Experience

- Four years of experience in engineering with emphasis on regional planning and
- A Bachelor's degree in engineering, or
- Any combination of education and experience which would provide the applicant with the desired skills, knowledge and ability required to perform the classification duties and responsibilities.
- Possess, or have the ability to obtain a valid professional engineering license
- Possess a current, valid driver's license
- Professional Engineer (PE) required

Knowledge, Skills and Abilities

- 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
- Apply and utilize data processing methods, applications, and equipment to effectively develop and maintain regional plans and records
- Local geography and resources as they relate to regional planning
- Relevant federal, state, and local regulations
- Public policy development and practice
- Use a computer and relevant software

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- Organize and coordinate major planning projects independently
 - Drive a vehicle for the purpose of attending offsite meetings and to perform offsite visits
 - Accurately analyze situations and design and implement effective course of action
 - Communicate effectively, both orally and in writing, including strong presentation skills
 - Exercise sound, independent judgment within established guidelines
 - Coordinate and direct the work of others
 - Establish and maintain effective working relationships with contractors, consultants, other agencies and Metro staff
 - Work independently and as part of a team

TOOLS AND EQUIPMENT; PROTECTIVE CLOTHING

Standard office equipment is used.

WORKING CONDITIONS

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.

The classification description indicates the general nature and level of work of positions grouped within this classification; it is not intended to be a comprehensive inventory of all duties and responsibilities, job specifications, work environment or other characteristics of a specific position. The classification description is not an employment agreement between the employee and Metro or Metro's visitor venues and is subject to change by Metro. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform the essential functions.