

Transportation Engineer

TRANSPORTATION ENGINEER II/III

JOB RECRUITMENT #11-08

SALARY RANGE

Mid \$40,000s to \$60,944 (position level & salary commensurate with education & experience)

LOCATION

Office of Corridor Planning

CLOSING DATE

July 22, 2011

AREAS OF CONSIDERATIONS

All sources

Job Description

This is an advanced transportation planning position focused in transportation engineering, and multi-modal planning for the Office of Corridor Planning. The employee will participate in corridor and area studies in the 9-county greater Philadelphia region. The position involves working with public and private sector agencies, decision-makers, and the general public as well as working with other professionals on project teams. This position requires both excellent technical abilities and an understanding of the planning process. Supervision may be exercised over technical, graphical, and clerical personnel. Work is performed in accordance with broadly-defined objectives and professional standards and is subject to administrative and technical review by a senior professional.

Responsibilities

- Develop, implement and coordinate highway and public transportation projects, including specification of the problem, data collection and analysis, interpretation and reporting of results, and the development of recommendations and cost estimates for project implementation.
- Conduct technical studies which evaluate the effectiveness of a transportation system (on a systems level) and then analyze alternative improvement strategies to determine how well they meet desired measures of effectiveness.
- Use planning and engineering computer software such as geographic information system software, Highway Capacity Software (HCS), travel simulation software, and other techniques to evaluate corridor and area-specific traffic problems and develop solutions.
- Prepare input data for simulation models. Tabulate travel simulation model outputs using GIS tools and tabular forms. Compare model results with current and historical data.
- Prepare reports summarizing findings and recommendations of various studies, including text, tables, maps, charts, photos and other appropriate graphics, and presents results to technical committees and the public.
- Make oral presentations to member governments and technical committees.
- Provide technical assistance to member governments, consultants, and the public.
- Conduct field views of project locations to compile an inventory of existing physical and operating conditions.
- Organize and manage technical committee meetings.
- Perform related work as required.

Qualifications

- Thorough knowledge of the principles, practices and objectives of transportation engineering and transportation planning, and ability to relate this knowledge to the development and analysis of a regional transportation system and its components.
- Experience with VISSIM or other traffic simulation software, such as Synchro considered a plus.
- Considerable knowledge of applicable computer applications, geographic information systems, graphics programs, database design, word processing and spreadsheet software.
- Experience in conducting field surveys, data analysis, and system evaluation.
- Considerable knowledge of the socioeconomic factors involved in transportation planning.
- Ability to organize, plan and direct research projects.
- Ability to present results of research and technical analyses effectively in oral, written, and graphic form.
- Ability to establish and maintain effective working relationships with associates, planning officials, and the general public.

Minimum Experience & Training

THREE TO FIVE YEARS of professional experience in transportation planning or engineering; and such training as may have been gained through graduation from a four year college/university, with major course work in Transportation Planning, Transportation or Civil Engineering, or a related discipline. A Master's degree and/or intern or co-operative education experience can be substituted for one year of experience.

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HOW TO APPLY: DELAWARE VALLEY REGIONAL PLANNING COMMISSION / HUMAN RESOURCES DEPARTMENT

DVRPC, 8TH FLOOR / 190 N. INDEPENDENCE MALL WEST / PHILADELPHIA, PA 19106-1520

PHONE 215.592.1800 / **FAX** 215.592.9125 / **DVRPC WEB SITE** WWW.DVRPC.ORG

HUMAN RESOURCES EMAIL RESUMES@DVRPC.ORG