

# METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

## IMMEDIATE JOB OPENING

### DEPARTMENT OF TRANSPORTATION PLANNING TRANSPORTATION ENGINEER II

STARTING SALARY \$59,960 - \$87,122, DOQ

#### AGENCY AND CONTEXT

Transportation planning at the regional level in the Washington, D.C. metropolitan area is coordinated by the National Capital Region Transportation Planning Board (TPB). The TPB is the federally designated Metropolitan Planning Organization (MPO) for the metropolitan area and also plays an important role as the regional forum for transportation planning. The TPB coordinates regional transportation planning activities and develops the long-range transportation plan in order for federal-aid transportation funds to flow to the Washington region. The TPB includes representatives of local governments; state transportation agencies; the Maryland and Virginia general assemblies; transit agencies; and non-voting members from the airports authority and federal agencies. The TPB is staffed by the Metropolitan Washington Council of Governments' Department of Transportation Planning (DTP).

#### THE POSITION

The Department of Transportation Planning is seeking a Transportation Engineer II to assist in the Systems Performance, Operations, and Technology (SPOT) planning program. The U.S. Department of Transportation requires that metropolitan transportation planning address Transportation Systems Management and Operations (RTSMO), the Congestion Management Process (CMP), Intelligent Transportation Systems (ITS) Architecture, and related endeavors. This position would provide engineering support and expertise in a planning context to ensure that regional transportation planning and programming effectively address these topics, plus advancing their status in the transportation systems of the Washington region. The position will also help consider how regional planning should prepare for the transformation of the transportation industry energized by disruptive technologies such as automated vehicle technology and shared mobility.

#### EXAMPLES OF WORK

The successful candidate will perform professional level transportation engineering activities including research, assessment, data collection and analysis, and report preparation and presentation. The position requires strong data management and analysis skills, and the candidate should be familiar with transportation planning, operations, and performance measurement.

Activities are likely to include:

- Coordinating with the region's transportation agencies on their operations planning and traffic signals activities; leading or supporting MPO subcommittees that address these topics.
- Analyzing data sets for trends to understand performance.
- Preparing charts, graphs, and maps; writing technical memoranda and reports; making presentations to technical committees.
- Compiling information from member agencies to maintain the Regional ITS Architecture.
- Working with TPB member agencies staffs on collaborative activities.
- Developing related research papers, brochures, or stakeholder events.
- Maintaining web pages for these program areas.

- Interacting with planning or engineering consultants.
- Developing agendas, minutes, and other meeting-related materials.
- Briefing officials, technical staffs, or the general public as necessary.
- Contributing to other departmental tasks as necessary.

### **MINIMUM QUALIFICATIONS**

- **Transportation Engineer II:** 1) Either a Master's degree in transportation engineering, transportation planning, or an appropriate related field, or 2) a Bachelor's degree and two-to-three years of applicable experience. Any equivalent combination of experience and training which provides the required knowledge, analytical and writing skills, and abilities will be considered.
- Ability to work cooperatively in a team environment.
- Quantitative skills desired demonstrated by courses in mathematics, operations research, quantitative methods analysis, statistics, or transportation engineering computer modeling, and/or relevant work experience.
- Solid verbal and written communications skills; web and social media outreach skills are a plus.

### **IDEAL CANDIDATE**

- Expertise and interest in transportation/traffic operations planning and issues, including traffic signal timing and operations, and a good understanding of the roles these issues play in regional transportation planning.
- Knowledge of Intelligent Transportation Systems planning and architecture, including the National ITS Architecture.
- Knowledge of the emerging fields of connected/autonomous vehicles, shared mobility (e.g., Uber), and crowdsourced transportation information (e.g., Waze), and an interest in how they will affect both short-range and long-range transportation planning.
- Proficient spreadsheet, database and statistical analysis software (e.g., SAS) skills. Knowledge of presentation graphics and publication design software. Experience with GIS software, such as ArcGIS.
- Flexibility and adaptability to evolving job assignments.

### **EEO EMPLOYER**

To apply for this position, please submit your cover letter, salary history, and resume to:

The Metropolitan Washington Council of Governments/ Human Resources

777 North Capitol Street, NE Suite 300

Washington, DC 20002-4290

Visit our website at: [www.mwcog.org](http://www.mwcog.org) or Fax: 202-962-3715

