

Travel Modeler

The Mid-America Regional Council (MARC), metropolitan planning organization for the bi-state Kansas City region, is seeking an entry level Travel Modeler to support MARC's travel forecasting and regional planning capabilities.

Position Description

This is a professional position that will support application and maintenance of regional transportation models. The Travel Modeler will be part of a team that helps estimate, calibrate, validate and apply multimodal travel demand models in support of MARC's technical capacities related to integrated multi-modal transportation and land use planning, air quality analysis, and scenario planning. The position involves data analysis and management, creative problem solving, collaboration with a team of MARC technical and planning staff, interaction with planning partners in a dynamic and evolving urban area, and communication of modeling concepts and results.

Main Responsibilities

The duties of this position include, but are not limited to:

1. Assist in the maintenance, validation, and implementation of MARC regional travel demand forecasting model.
2. Preparing travel model scenario inputs – demographic, socio-economic, and transportation networks.
3. Support model applications, analyze and summarize model outputs, and present findings.
4. Responding to data request, and data exchange from local/state agencies, or consulting.
5. Participation in integration of transportation, air quality and land use modeling.
6. Technical support to regional planning and performance measurement activities.

Qualifications

Education and experience: This position requires a minimum of graduation from an accredited college or university with a bachelor's degree in urban or regional planning, engineering, computer science, geography, or a closely related field. Candidates must have completed coursework in statistics or econometrics. A master's degree or work in the transportation planning or engineering fields will be given preference. Recent or soon-to-be graduates in May 2017 are strongly encouraged to apply.

Computer and technical skills: This position requires demonstrated experience with travel modeling, database, geographic information systems (GIS), and standard office software. Ideal candidates will have solid analytical and quantitative skills; knowledge of one of the major travel demand modeling software packages such as EMME, CUBE, TransCAD, or VISUM; and an understanding of statistical methods, transportation planning, and urban development concepts.

Experience with programming/scripting languages such as Python, C, SQL, R, and SAS is desired. Knowledge of land use models and mobile source emissions modeling software such as MOVES is preferred.

Professional skills: Good written and verbal skills are essential. The position requires an individual with interest and flair for data analysis and visualization, strong attention to detail and the capacity to

communicate complex technical subjects to a broad audience. It also requires a highly collaborative, team-based approach.

Compensation

Starting salary range for this position is \$39,143 to \$48,935, depending upon qualifications. MARC offers an attractive team-oriented work environment along with a competitive fringe benefit package.

How to Apply

For more information about the program and to apply, please visit our website at www.marc.org/jobs. Interested applicants must submit a cover letter, salary requirements and resume when applying online. Applicants are strongly encouraged to apply by February 24, 2017; however, the position will remain open until filled. MARC is an equal opportunity employer that welcomes all qualified persons without regards to race, color, sex, disability, national origin, citizenship, age, pregnancy, genetic information, military status, ancestry or any other characteristic or status protected by law.

In addition, MARC is an E-Verify employer. ***In addition, MARC is an E-Verify employer. Only individuals who possess current authorization to work for any company in the US who will not require current or any type of future sponsorship (i.e., H1-B visa, F-1 visa (OPT), TN visa or any other non-immigrant status) will be considered.***