Transportation Modeler

As a premier multi-modal planning and project implementation agency, SANDAG relies on the quality and capacity of our Transportation, Demographic, Economic, and Land Use Modeling programs. A team of highly skilled professionals support a variety of projects including long-range coordinated transportation, economic, and land use plans, corridor studies, major transit investment studies, infrastructure development studies, and air quality plans.

As regional planning needs, travel behaviors, and socioeconomic conditions change, the demands and expectations of our modeling program also have increased. To meet these challenges, SANDAG has committed the resources necessary to develop and maintain a robust, agile, and integrated modeling infrastructure to support policy development and decision making. SANDAG has developed a nationally-recognized and highly sophisticated activity-based transportation model (ABM) and an active transportation (AT) model, and is in the process of developing an advanced, integrated, dynamic traffic assignment (DTA) model. SANDAG also is updating the ABM using the 2016/2017 San Diego household travel behavior survey and Transit onboard survey for the next Regional Transportation Plan.

The Transportation Modeler will develop, maintain, and improve SANDAG transportation modeling tools including the activity-based model, active transportation model, and the dynamic traffic assignment model.

The minimum education, training, and experience qualifications include a bachelor's degree with major coursework in transportation modeling, computer science, mathematics, statistics, engineering, planning, geography, or a related field and four years (Associate level) to five years (Senior level) of recent experience working in transportation modeling, planning, and software development. Some lead or supervisory experience is required for the Senior level. An advanced degree is desirable.

SANDAG rewards the efforts of its employees with a comprehensive compensation package. Competitive salaries are supplemented with a flexible offering of health, financial security, and time-off benefits to meet the work and life needs of employees and their families.

How to Apply

A complete job announcement can be seen under the Job Openings tab on the SANDAG website at www.sandag.org/jobs. We encourage all interested candidates to apply for this position by completing a SANDAG employment application form. Resumes, cover letters, and work samples may be submitted in addition to the employment application but are not a substitute for this document.
The employment application can be downloaded in PDF format from the SANDAG website at www.sandag.org/jobs. Alternatively, a copy can be requested by calling (619) 699-1900 or emailing hr@sandag.org.

Application Requirement

To help us further evaluate the skills and experience of individuals interested in this position, applicants are asked to prepare a cover letter and respond to the Supplemental Questions below. The information can be up to 500 words per question and should be submitted with the Employment Application. This is considered a required component of the application; applications received without a response will be screened out of the selection process.

Supplemental Questions

1. *Describe a research project you were involved in that required the use of various sources of data. Explain the goal of the project, the types of data used, your role in the project, and the QA/QC process of data and results.*

2. *Describe a modeling, forecasting, or statistical analysis project you were involved in that required custom programming and scripting. Explain your role in the project.*

SANDAG is an Equal Opportunity Employer and offers competitive salaries and benefits.

This position is Open until Filled. The first review of applications for the Transportation Modeler position will begin on December 15, 2017.