

Travel Demand Modeler

TDOT Planning Specialist (SG 32) – 2 Positions

This position will be working under the office of Forecasting of the Long Range Planning Division. This position will develop travel demand models for the State and work closely with contractors and MPOs' modeling groups and perform professional transportation planning work including development, monitoring, and coordination of transportation planning projects. Ideal candidates should have strong modeling skills/direct experience with travel demand model software packages (particularly TransCAD or Cube/TP+/Voyager) as well as analytical skills and GIS capabilities. Experience in statistical analysis as it relates to travel demand modeling, programming skills (e.g., Python, MATLAB, or C++) and writing technical reports is preferred. Master's degree or doctoral degree in Transportation Planning and Modeling/Civil Engineering/Geography or closely related field are preferred.

Salary range: DOQ \$42,396.00 ~ \$67,848.00

Duties:

Duties include, but are not limited to, in a team environment:

1. Manage all aspects of travel demand modeling operation and applications including planning, designing, development, implementation, upgrade, and maintenance functions.
2. Develop modeling acquisition strategies and standards and coordinate modeling input data acquisitions and updates and ensure QA/QC of database.
3. Work closely with the offices of Roadway Data, Road Inventory, and Data Visualization within Data Management Section.
4. Cooperate with other offices such as offices of community planning (OCTs), Research, and Policy Planning under Long Range Planning Division for all activities.
5. Provide technical support for other offices or divisions of TDOT, MPOs and RPOs, as well as other government agencies.
6. Work with local, state, and federal resources to maintain existing databases, identify missing data and provide input into the TDOT's modeling strategy.
7. Support short and long-range projects related to the transportation program
8. Carry out other duties as assigned by the Director and Assistant Directors of the Division.

If you are interested and have further question about the position, please email Jaehoon.Kim@tn.gov. You will still need to complete an online application in order to apply for the position.

Also, we would like to have an informal interview at the 2018 TRB Annual Meeting. Please contact Dr. Jaehoon Kim (Forecasting Office Supervisor) by email to arrange the schedule if you interested in. We recommend you send your resume or C.V. by email or bring it at the interview.