

JOB ANNOUNCEMENT

Title:

Transportation Data Analyst
Central Pines Regional Council (CPRC) / Durham-Chapel Hill-Carrboro MPO
Durham, NC

The Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (MPO) is the regional transportation planning agency in North Carolina's western Triangle. The MPO is responsible for planning and programming all modes of transportation including highways, public transit, freight, bicycles, and pedestrians. Our work is regionally based, but community focused. The MPO formulates and implements plans that improve life locally and ensure that these plans reflect our member communities' collective vision.

About the Position:

This position provides regional transportation planning and modeling support in a formally designated Transportation Management Area that encompasses the western part of the Research Triangle including the cities of Durham, Chapel Hill, and Carrboro. The successful candidate will understand advanced data collection, performance measures, model development & applications, and how support to MPO projects, studies, programs, and plans, such as congestion management planning, transportation improvement programming, and metropolitan transportation planning.

Responsible for developing, updating, and maintaining computer models and programs; developing and maintaining the MPO information including data collection; serving as project manager for technology projects; providing modeling and technical support for studies, programs, and plans; and leading intern staff work.

Description of Work:

- Develops and maintains the MPO data management system to include developing data collection and processing procedures, conducting needs assessments, and developing and tracking system performance measures.
- May update and maintain computer models and programs; provides modeling support for transportation studies, programs and plans; prepares forecasts; analyzes the model results and policy-related data; conducts traffic simulation studies and testing scenarios; and reports model results.
- Analyzes highly technical data; write computer programs/scripts, work with Big Data and create solutions; develops and makes recommendations for technical projects; reviews work and the work of others to ensure accuracy; Prepares, maintains, and/or reviews technical and other reports, records, and documents.
- Manages for technology projects; evaluates and recommends project priorities; determines project scope; identifies project cost and budget; monitors staff or consultant work and participation in project; reviews deliverables and makes recommendations for improvements; and ensures adherence to project schedules, budgets, and other applicable regulations, policies, and procedures.

- May prepare and present material to elected officials, DCHCMPO Technical Coordinating Committee, as well as lead the work of staff and/or interns to include monitoring and directing work activities, managing schedules, mentoring, and coaching.

Education & Experience:

A master’s degree engineering, computer science, applied mathematics, statistics, data analytics or related fields is desired. A bachelor’s degree in the same fields may be considered. Ability to program in Python, R or similar is necessary.

Additional Preferred Skills:

- Experience in travel demand modeling and/or traffic simulation modeling. (TransCAD with GISDK or TransCAD)
- Database programming and statistics.
- Geography Information Systems (GIS).
- Traffic simulation and analysis.

Starting Salary & Benefits:

Hiring range: \$60,200 – \$64,000

*This position is eligible for a 5% increase after serving a 6-month probation period.

Benefits: CPRC offers a generous benefits package including paid vacation and sick leave; NC Local Government Employees’ Retirement System; 5% 401(k) employer contribution; 100% employer-paid health, dental, vision and life insurance; health spending account, flexible spending account for child/dependent care expenses, hybrid and flexible work schedules.

Our organization:

CPRC is a member-driven organization serving as a leading resource to connect communities and enhance their strategic priority outcomes through regional policy, collaboration, and technical assistance at the local, regional, and state level. See the kind of work we do and learn read more about CPRC’s vision, mission, organizational principles, core values, and strategic focus areas at www.centralpinesnc.gov.

How to Apply:

Send completed application package (cover letter and resume) by email to employment@centralpinesnc.gov with the subject Transportation Data Analyst.

Incomplete applications will not be considered. Position is open until filled; initial review of applications begins May 1, 2024.

All employment offers will be within the stated hiring range.

CPRC is an Equal Opportunity Employer and designated Best Workplace for Commuters.