



Madison County Council of Governments

Transportation Planning Department

Job: Traffic/Transportation Engineer
Job Type: Full-time
Location: Anderson, IN 46016
Salary range: \$60,000+, dependent on qualifications
Posted: 9/16/2019

About us: The Madison County Council of Governments (MCCOG) is the metropolitan planning entity for the Anderson Metropolitan Area, which includes all of Madison County, Indiana, Fortville, Indiana (northwest Hancock County), and Daleville, Indiana (West-Central Delaware County). MCCOG is responsible for the federally designated transportation planning requirements, as well as comprehensively coordinating local governments in the metropolitan planning area. Additionally, as the Council of Governments for the region, MCCOG provides full-service technical assistance to local units of government in the region. MCCOG has developed and utilizes state-of-the-art tools for design, analysis, and forecasting activities.

The position: The Madison County Council of Governments (MCCOG) is accepting applications for a Traffic/Transportation Engineer who will support the transportation systems planning, analysis, and forecasting activities and local technical assistance program of the Anderson Metropolitan Planning Area. Support will be provided using travel demand forecasting, development and updating of transportation planning & engineering tools, analysis of transportation data including mobility and safety data, analysis of a wide variety of transportation data sources, and facility design recommendations. Candidates should illustrate dedication to supporting the public interest and an understanding of the role design plays in benefiting the public realm. MCCOG may require travel within the greater Indianapolis metropolitan area, as well as the Anderson metropolitan area for business purposes.

Salary range & Benefits: \$60,000+

Salary is dependent on incumbent qualifications, and will include medical, dental, vision, life insurance, and

retirement pension through the Indiana Public Retirement System (IN-PRS). Additional benefits include a competitive package with compensatory time, flexible work hours, training/traveling expenses including per diem, and vacation/sick leave that promote work-life balance.

Job responsibilities:

- Coordinate and prepare traffic impact studies, traffic signal warrant analysis, traffic signal design, construction phasing and traffic control plans, signing and pavement marking plans and geometric design
- Develop designs and engineering reports from preliminary concepts, sketches, specification sheets, engineering directives, and other data, according to agency specifications
- Develop and update transportation planning and engineering tools
- Assist in the development of planning documents
- Provide input on site-specific design proposals
- Coordinate and work with local planning agency stakeholders
- Oversee project level work, including other staff, as necessary
- Perform cost analysis, prepare cost estimates and contracts, and monitor construction activities
- Travel for various training and conference opportunities

Requirements:

- B.S. in Civil Engineering from an accredited school
- PE Certification Required
- PTOE Certification Desired
- Proficient in AutoCAD Civil 3D and/or MicroStation, Synchro/Sim Traffic, Highway Capacity Software
- Familiar with transportation/traffic design standards including MUTCD, Highway Capacity Manual, AASHTO Green Book, AASHTO Roadside Design Guide, NACTO Urban Street Design Guide, and INDOT road design standards.

Knowledge, Skills, Abilities

- Team-oriented individual willing to assist with a wide range of projects
- Desire to see best practice and innovative design practice implemented
- Identify and resolve problems in a timely manner; gather and analyze information skillfully
- Communicate effectively

- Experience with object-oriented and/or statistical analysis programming languages, such as SAS, Python, and R
- Experience with Geographic Information Systems software, such as ESRI ArcGIS Pro and/or Caliper TransCAD

To Apply: Submit cover letter, resume, and answers to supplemental questions to Ryan Phelps (ryan@heartlandmpo.org), or mail to Madison County Council of Governments, 739 Main Street, Anderson, IN 46016.

Position open until filled, initial review of applications will begin within 30 days of posting. Applications will be reviewed on a rolling basis until the position is filled.

Supplemental Questions:

Include responses to these questions separately, along with your resume and cover-letter. Applications will not be considered if they are submitted without answers to these supplemental questions:

1. Describe your experience preparing traffic impact studies, traffic signal warrant analysis, spot speed studies, corridor studies, and the like. If this does not apply, respond 'none.'
2. Describe your experience developing designs and engineering reports and reviewing site-specific design proposals. If this does not apply, respond 'none.'
3. Describe your experience developing, applying, and updating travel demand forecast models. If this does not apply, respond 'none.'
4. Describe your experience working with transportation data, such as crash reports and the National Performance Management Research Data Set (NPMRDS). If this does not apply, respond 'none.'
5. Describe your experience with statistical modeling and associated statistical modeling software. If this does not apply, respond 'none.'
6. Describe your skills and/or your experience using GISDK, R, Python, SAS, or other programming languages. If this does not apply, respond 'none.'