

Champaign County Regional Planning Commission

POSITION DESCRIPTION

Position Title: Transportation Engineer I

Reports To: Transportation Engineering Manager or Planning and Community Development Director

Supervises: None

FLSA Status: Exempt

Pay Grade: 6

General Duties:

The Transportation Engineer I will help to support transportation safety research, analysis, data collection, and reporting activities. The Transportation Engineer I will support the development of transportation safety implementation plans and technical documents for local and, regional government initiatives that aim to influence and change behavior of the general public and/or professionals (i.e., transportation engineers, state and local officials, planning and policy professionals).

The Transportation Engineer I work is focused primarily on research and deployment activities in transportation safety, but there may be opportunities in transportation operations, logistics, and intelligent transportation systems as well. The Transportation Engineer I requires knowledge of transportation engineering principles and interest in research and development.

The Transportation Engineer I is also responsible for supporting other transportation engineers with transportation modeling projects such as travel demand modeling using specialized modeling software. The Transportation Engineer I works closely with other transportation engineers and assists in the coordination of projects involving transportation planners.

Specific Duties and Responsibilities:

- Collects, compiles and analyzes crash data and develop potential counter measures and reports.
- Collects and analyzes data and prepares transportation safety studies as assigned.

- Collects and analyzes data and support the other transportation engineers on preparing studies in the areas of intersection capacity, traffic impact, access management, corridor analysis, trip generation, signal operations, signal design, parking, etc. through the utilization of transportation software such as SYNCHRO, HCS, and/or Citilabs CUBE.
- Responsible for provision of data, research and technical support for local modeling efforts.
- Works with representatives of equivalent responsibilities and experience from area municipalities, the mass transit district, the University of Illinois, the State of Illinois and Champaign County.
- Responsible for presenting studies to the CUUATS Technical and Policy Committees and other boards or committees as deemed necessary by the Planning and Community Development Director.
- Works closely with other transportation engineers on projects assisting with larger-scope or longer-range projects.

Required Knowledge, Skills, Characteristics and Abilities:

- Bachelor's Degree in civil/transportation engineering or urban planning with one to two years of experience in an engineering environment or a Master's Degree in transportation engineering.
- Working knowledge of transportation engineering concepts
- Working knowledge of principles and practices of transportation planning.
- Working knowledge of transportation software such as HCS and SYNCHRO.
- Working knowledge of roadway design, intersections operation, signage, pavement markings, traffic signals, and cost estimating.
- Working knowledge of network modeling software such as CUBE and CUBE VOYAGER

Essential Functions:

- Experience with computers is essential.
- Ability to think analytically, apply general concepts to other applicable topics.
- Excellent verbal and written communication skills.
- Detail-oriented, self-motivated, highly organized, and strong ability to multi-task and meet deadlines.
- Experience with GIS programs and data sources is essential.
- Ability to work independently as well as with small teams.
- Experience at presenting transportation studies preferred, but not essential.

Competencies:

- Problem Solving/Analysis
- Communication Proficiency
- Decision Making

- Ethical Conduct
- Time Management
- Attention to details

Work Environment:

- Office work will be performed in an open cubicle environment sometimes involving distractions.
- Frequent near-vision use for reading and computer work
- Evening and weekend availability are required as needs of the program dictate.

Disclaimer:

The job description is not designed to cover or contain a comprehensive listing of activities, duties, or responsibilities that are required of the employee. Other duties, responsibilities, and activities may change or be assigned at any time with or without notice.

Signature of Employee _____

Date _____

12/20