

Title: Traffic Safety Analyst	Effective Date: June 24, 2017	Grade: XII	Job Category: Professional
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CHARACTERISTICS OF WORK

Under supervision of the Section Head, this position is responsible for the collection and evaluation of traffic crash data for use in system evaluations, identification of high crash rate locations, crash rate by type of highway facility, analysis of various data related to traffic safety, and various safety studies.

EXAMPLES OF WORK

The following examples are intended only as illustrations of various types of work performed. No attempt is made to be exhaustive. Related, similar, or other logical duties are performed as assigned. The Department may require employees to perform functions beyond those contained in job descriptions. The Department may modify job descriptions based on Department needs. The Arkansas Department of Transportation is an "at will" employer.

- Conduct traffic crash analyses and crash diagrams for inclusion in safety studies.
- Perform crash queries to identify high crash rate locations and possible cause of crashes.
- Assist in compilation of statistical and historical safety reports.
- Create and maintain GIS workspaces.
- Work with others to summarize crash data and roadway data information and calculate crash rates by various roadway types.
- Analyze crash and other safety related data using GIS software.

MINIMUM REQUIREMENTS

The educational equivalent to a bachelor's degree from an accredited college or university in field applicable to work performed. Experience in data analysis. Effective written and verbal communication skills preferred. Working knowledge of Microsoft Office Suite. Advanced knowledge of GIS software, tools, and functionality. Ability to implement GIS technologies in an enterprise environment. Experience with Model Builder, Python, and SQL desired. Knowledge of statistical methods and report writing desired.

("Accredited" means the educational institution or program is accredited by an accrediting organization recognized either by the United States Department of Education or by the Council for Higher Education Accreditation.)

