

Title: <b>Traffic Safety Analyst</b>	Effective Date: June 23, 2026	Grade: I12	Job Category: Professional
Prior Title: Traffic Safety Analyst	Prior Effective Date: April 19, 2025	Grade: I12	Page: 1 of 1

**CHARACTERISTICS OF WORK**

Under general supervision, 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 for safety studies.
- Assist in geospatial analysis of traffic safety data sets.
- Perform crash queries to identify high crash rate locations and possible causes of crashes.
- Assist in the compilation of statistical and historical safety reports.
- Assist in maintaining the crash database in an enterprise environment.
- Work with others to summarize crash data, roadway data information, and calculate crash rates by various roadway types.
- Analyze crash and other safety related data.

**MINIMUM REQUIREMENTS**

Education and experience: The educational equivalent to a bachelor’s degree from an accredited college or university in GIS, geography, computer science, mathematics, statistics, data analytics, or related degree. Experience in data analysis. Experience with geospatial data analysis preferred. Experience with SQL, Python, and/or GIS software. Experience in the design, implementation, or maintenance of databases preferred.

Knowledge, skills and abilities: Effective written and verbal communication skills. Working knowledge of Microsoft Office Suite. Knowledge of statistical methods and report writing. Attention to detail.

Working conditions: Office environment.

*("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.)*