

Title: <b>Senior Traffic Safety Analyst</b>	Effective Date: June 24, 2026	Grade: I16	Job Category: Professional
Prior Title: Senior Traffic Safety Analyst	Prior Effective Date: June 14, 2025	Grade: I16	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 complex traffic crash analyses and crash diagrams for inclusion in safety studies.
- Perform complex crash queries to identify high crash rate locations and possible cause of crashes.
- Assist with the creation and coordination of the Strategic Highway Safety Plan.
- Assist with creating and maintaining the crash data utilized by the Department.
- Provide recommendations and guidance with regards to the use of data.
- Update reports and studies as assigned.
- Assist in overseeing the development of GIS methodologies and workflows for studies and on-going projects within the Traffic Safety Section.

***MINIMUM REQUIREMENTS***

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

Knowledge, skills and abilities: Knowledge of statistical methods and report writing. Effective written and verbal communication skills. Working knowledge of Microsoft Office Suite. Knowledge of GIS software, applications, and tools. Knowledge of database creation, maintenance and relationships. 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.)*