



ENGINEERING BEYOND THE PAVEMENT:

Where Traffic & Transportation Engineering Meets GIS Intelligence

Traffic and transportation engineering is evolving, with data, real-time insights, and advanced tools driving smarter decisions. Through our collaboration with Simply Spatial, our GIS and geospatial technology partner, we bring these advanced capabilities directly into traffic workflows, helping transform complex roadway data into clear, actionable insights that go beyond traditional analysis and support more informed decision-making.

Smarter Traffic Insights, Powered by GIS – We centralize roadway data, from traffic studies and signal inventories to signage and pavement markings, into a centralized GIS environment. By integrating PennDOT crash data, traffic counts, and speed data, we turn complex information into clear, actionable insights.

From Static Reports to Real-Time Insight – With live IoT data integration, we can monitor congestion, signal performance, and work zone impacts in real time, giving clients a clearer picture of how systems are performing day to day.

Advanced Mapping + AI-Driven Analysis – Mobile mapping, LiDAR, and high-resolution imagery allow us to capture roadway conditions with precision, while AI helps quickly identify lane markings, signage, and other critical features.

Better Visualization, Better Decisions – From interactive dashboards to 3D digital twins, we bring data to life, supporting smarter planning, improved safety analysis, and more efficient design coordination.

Working alongside Simply Spatial, our team combines traffic engineering experience with GIS intelligence to deliver more informed, data-driven solutions that improve mobility, safety, and long-term performance.

What This Means for Your Projects

- Stronger safety analysis using integrated crash data
- Real-time visibility into traffic conditions
- More accurate roadway and asset data
- Smarter planning and design decisions



Scan here to learn more!