Sophie Tran

TRAFFIC ENGINEER

Kansas City, MO (816) 555-0113 sophie.tran@email.com linkedin.com/in/sophietran

SUMMARY

Traffic engineer and Missouri PE with 4 years of traffic analysis, signal timing and traffic signal design for cities and state DOT projects in the Kansas City area. Runs Synchro, SimTraffic, VISSIM and HCS, designs signals and signing to the MUTCD, and writes traffic impact studies that agencies approve with minor comments.

SKILLS

Traffic Engineering • Traffic Analysis • Traffic Signal Design • Synchro • SimTraffic • VISSIM • HCS
MUTCD • MicroStation • AutoCAD

EXPERIENCE

Traffic Engineer

03/2024 - Present

Prairie Signal Engineering

Kansas City, MO

Traffic and transportation consultancy with 40 staff serving cities and the state DOT.

- Design traffic signal plans in MicroStation for 11 intersections, including pole layout, detection and phasing.
- Optimize signal timing in Synchro for 3 arterial corridors, cutting peak-hour travel time by up to **17%**.
- Write traffic impact studies for 8 commercial developments, testing site access options in HCS and SimTraffic.
- Check signing, striping and work zone plans against the MUTCD before every agency submittal.

Junior Traffic Engineer

06/2022 - 02/2024

Missouri Valley Engineers

Overland Park, KS

Civil engineering firm with a traffic group serving Johnson County cities.

- Collected turning movement counts and video data at **60** intersections for corridor studies.
- Built VISSIM models of 2 interchange alternatives and summarized queue results for the project manager.
- Drafted signing and pavement marking plans in AutoCAD for 5 school zone safety projects.
- Compiled crash histories in Excel to support 4 Highway Safety Improvement Program applications.

EDUCATION

Bachelor of Science

05/2022

University of Missouri-Kansas City

Kansas City, MO

Civil Engineering

CERTIFICATES

Professional Engineer (PE)

Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects

09/2026