JOB DESCRIPTION

**Job Title:** Senior Traffic Engineer

**Reports To:** Project Manager

**Job Location:**  Denver, Colorado

**Job Summary**

The Senior Traffic Engineer will specialize in private traffic studies and will play a key role in providing expert consulting services to clients. This position offers remote flexibility and offers a collaborative schedule based on your needs. The engineer will be responsible for conducting comprehensive traffic studies, analysing traffic patterns, and providing recommendations to optimize traffic flow and enhance safety. A successful candidate will have a strong background in traffic engineering principles, experience in private sector projects, and the ability to deliver high-quality traffic studies within agreed timelines.

Responsibilities

* Collaborate with private clients to understand their traffic-related needs and objectives.
* Conduct traffic impact studies for proposed developments, analyzing existing and projected traffic volumes, and assessing potential impacts on roadway capacity and safety.
* Design and implement traffic data collection plans, including the selection and placement of traffic counters, and supervise data collection efforts.
* Analyze traffic data using appropriate software tools to identify patterns, bottlenecks, and areas of concern.
* Evaluate site access designs, traffic signal timing, and parking facilities to optimize traffic flow and efficiency.
* Prepare detailed reports and presentations summarizing findings, recommendations, and potential mitigation measures.
* Provide expert guidance and recommendations to clients on traffic engineering principles, best practices, and regulatory compliance.
* Review proposed site plans and designs to ensure compliance with local regulations and standards.
* Collaborate with multidisciplinary teams, including architects, planners, and developers, to integrate traffic considerations into site design and planning processes.
* Stay updated on emerging trends, technologies, and industry standards related to private traffic studies.
* Serve as a subject matter expert on traffic engineering matters, offering technical expertise and guidance to clients and team members.
* Monitor project budgets, timelines, and deliverables to ensure successful project execution.
* Foster strong client relationships and pursue business development opportunities.

**Qualifications**

* 6+ years of experience in traffic engineering, with a focus on private traffic studies.
* Professional Engineer (PE) license.
* Bachelor's degree in Civil Engineering or a related field. Master's degree is a plus.
* Strong knowledge of traffic engineering principles, traffic flow analysis, and relevant industry standards (e.g., MUTCD, AASHTO, ITE).
* Proficiency in traffic engineering software and tools, such as VISSIM, Synchro, and SIDRA.
* Experience in conducting traffic impact studies and utilizing appropriate methodologies.
* Familiarity with local zoning regulations, land development codes, and transportation planning processes.
* Excellent analytical and problem-solving skills, with the ability to interpret complex traffic data and develop effective solutions.
* Strong written and verbal communication skills, including the ability to convey technical information to diverse stakeholders.
* Demonstrated ability to manage projects independently, meet deadlines, and deliver high-quality work products.
* Strong attention to detail and accuracy in data analysis and report preparation.
* Client-focused mindset with the ability to build and maintain strong client relationships.
* Flexibility to work part-time or full-time, based on project demands and client requirements.
* Valid driver's license and willingness to travel to project sites as needed.

**Travel**

* Travel will be on an as-needed basis for client meetings, project site visits or other project tasks.

Note: This job description is intended to convey information essential to understanding the scope of the Senior Traffic Engineer (Private Traffic Studies) position. It is not intended to be an exhaustive list of qualifications, skills, duties, or responsibilities associated with the role and may be subject to change or modification based on organizational needs.

**US Physical Requirements**

Office Physical Requirements:

All positions in our office require interaction with people and technology while either standing or sitting. In order to best service our customers, internal and external, all team members must be able to communicate face-to-face and on the phone with or without reasonable accommodation. Y2K Engineering is committed to compliance with its obligations under all applicable state and federal laws prohibiting employment discrimination. In keeping with this commitment, it attempts to reasonably accommodate applicants and employees in accordance with the requirements of the disability discrimination laws. It also invites individuals with disabilities to participate in a good faith, interactive process to identify reasonable accommodations that can be made without imposing an undue hardship.

Potential candidates will meet the education and experience requirements provided on the above job description and excel in completing the listed responsibilities for this role. All candidates receiving an offer of employment must successfully complete a background check and any other tests that may be required in accordance with state law.

Equal Opportunity Employer Statement: Y2K Engineering is an Equal Opportunity Employer that values and respects the importance of a diverse and inclusive workforce committed to leveraging diverse backgrounds, perspective and experiences that create opportunities for our colleagues and our business. It is the policy of the company to recruit, hire, train and promote persons in all job titles without regard to protected category.