



Senior Transportation Engineer - (157886)

Description

About Us

At HDR, we specialize in engineering, architecture, environmental and construction services. While we are most well-known for adding beauty and structure to communities through high-performance buildings and smart infrastructure, we provide much more than that. We create an unshakable foundation for progress because our multidisciplinary teams also include scientists, economists, builders, analysts and artists. That's why we believe diversity is our greatest strength. HDR is proud to be an equal opportunity workplace and an affirmative action employer.

Watch our ['About Us'](#) video

We believe that the way we work can add meaning and value to the world. That ideas inspire positive change. That coloring outside the lines can illuminate fresh perspectives. And that small details yield important realizations. Above all, we believe that collaboration is the best way forward.

Primary Responsibilities

In the role of **Senior Transportation Engineer**, we'll count on you to

- Manage mid to large sized traffic engineering projects, traffic engineering tasks and/or large multi-disciplinary projects.
- Knowledge of traffic signal control hardware and software a plus.
- Provide design oversight for the production of signing, pavement marking, traffic signals and traffic management system design plans; intersection design; capacity and signal warrant analyses
- Conduct operational traffic analysis using a variety of modeling tools, ranging from highway capacity software to complex micro simulation models; analyze everything from isolated intersections and roundabouts to urban arterials and freeway segments.
- Focus on traffic design, including accident analysis and mitigation strategies, signing, striping, traffic signals, and Intelligent Traffic Systems (ITS), including real-time traffic information, and adaptive signal control.
- Assist in providing oversight of the traffic control and sequencing plans throughout the construction phase of the project.
- Serve as a technical expert with recognized authority in an area of specialization that resolves problems of greater scope and complexity while planning and developing projects or design activities that have significant impact on major company programs.
- Organize and supervise work of medium to large staff of professionals and technicians, as needed.
- Serve as project manager on larger projects, though project management is not sole focus of position as needed.
- Perform other duties as needed.

Keyword(s): Sr. Transportation Engineer, Transportation Engineer, job #157886, *LI-MP1

Qualifications

Required Qualifications

- Bachelor's degree in Civil Engineering.
- 10+ years of experience in ITS and traffic engineering for urban and rural highways, major and minor interchanges and intersections.
- PE license.
- Knowledge of regulations of local state and federal transportation agencies.
- Experience using MS Office, HCS, Synchro/SIM Traffic and other software packages.

Preferred Qualifications

- Strong oral and written communication skills, presentation skills and ability to work in a team environment.
 - An attitude and commitment to be an active participant of our employee-owned culture is a must.
 - Proven business development/client liaison skills.
 - Proven leadership and mentoring abilities.
 - ArcGIS, VISSIM/Aimsun experience
 - Experience with NYCDOT, PANYNJ, NYSDOT, MTA preferred.
- Local candidates are preferred.

Why HDR

At HDR, we know work isn't only about who you work for; it's also about what you do and how you do it. Led by the strength of our values and a culture shaped by employee ownership, we network with each other, build on each other's contributions, and collaborate together to make great things possible. When you join HDR, we give you license to do the same. We help you take charge of your career, giving you multiple growth opportunities along the way.

Primary Location United States-New York-New York

Industry Highway + Road

Schedule Full-time

Employee Status Regular

BusinessClass: Traffic Engineering

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Email Tyce.Herrman@hdrinc.com to learn more.

Ready to learn more? Let's work together to make great things possible.

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