



# MICHAEL ANDERSON

## Senior Traffic Engineer

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### SUMMARY

A results-driven Traffic Engineer with over 8 years of experience specializing in urban roadway design and traffic signal optimization. Expert in utilizing advanced simulation software to analyze traffic patterns and improve flow efficiency. Proven ability to manage complex projects from conception through completion while maintaining compliance with federal, state, and local regulations.

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### WORK EXPERIENCE

#### Senior Traffic Engineer City of Metropolis

Jan 2023 - Present

- Led the redesign of Main Street intersection, reducing congestion by 30%.
- Developed traffic signal timing plans that improved travel time by 15% across key corridors.
- Conducted traffic impact studies for major developments, ensuring compliance with city regulations.
- Utilized Synchro and VISSIM for traffic modeling and analysis.
- Collaborated with local agencies on multi-jurisdictional traffic management initiatives.
- Presented findings and recommendations to city council, securing funding for future projects.

#### Traffic Engineer Urban Planning Associates

Jan 2020 - Dec 2022

- Designed and implemented traffic calming measures in residential neighborhoods.
  - Analyzed pedestrian and vehicle interactions to enhance safety at crosswalks.
  - Managed public engagement processes to gather community input on traffic projects.
  - Monitored and evaluated the effectiveness of implemented traffic solutions.
  - Prepared comprehensive reports on traffic studies and project outcomes.
  - Trained junior engineers in traffic analysis techniques and software usage.
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### EDUCATION

#### Master of Science in Civil Engineering, University of Metropolis

Sep 2019 - Oct 2020

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### ADDITIONAL INFORMATION

- **Technical Skills:** Traffic analysis, Signal optimization, Project management, Stakeholder engagement, Simulation software, Urban planning
- **Awards/Activities:** Received 'Outstanding Engineer Award' from the City of Metropolis in 2021.
- **Awards/Activities:** Successfully reduced traffic accidents at major intersections by 40% through innovative design.
- **Awards/Activities:** Published research on the impact of traffic signals on urban mobility in a leading engineering journal.
- **Languages:** English, Spanish, French