



Stephanie M. Olsson, P.E., PTOE

Senior Traffic Engineer

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Ms. Olsson is a Senior Traffic Engineer and also the Vice President of Traffic Analysis & Design, Inc. Ms. Olsson is responsible for the firms data collection services and traffic engineering tasks including: development of optimal signal timing plans for isolated intersections and coordinated systems, signal progression analysis, signal timing implementation and fine tuning, corridor studies, traffic impact studies, traffic mitigation plans, traffic simulation modeling and intersection capacity analyses.

Ms. Olsson has over 11 years of traffic engineering experience ranging from traffic signal and intersection analysis to pedestrian enhancement studies. Ms. Olsson has timed over 200 traffic signals, conducted over 25 major corridor studies and over 75 traffic impact studies. Ms. Olsson served as project engineer for the Grandview Boulevard Truck Route/Construction Timings and the analysis of E. North Street and E. St. Paul Avenue two-way operation for the City of Waukesha, USH 45 mitigation, Marquette Interchange mitigation, and various detour route projects throughout the state. She is proficient in the use of a variety macroscopic and microscopic intersection capacity models. Ms. Olsson has instructed other engineers in the use of Synchro/SimTraffic software for optimization of traffic signals and teaches a traffic engineering fundamentals course through the University of Wisconsin-Madison and has guest lectured for traffic engineering courses at Marquette University and UWM.

Specialties

- Corridor Studies
- Traffic Signal Timing Plans
- Traffic Impact Studies
- Pedestrian Treatments
- Data Collection

Education

- B.S.C.E. Marquette University, 2000

Certifications

- WI Professional Engineer, 2004
- MI Professional Engineer, 2008
- MN Professional Engineer, 2008
- Professional Traffic Operations Engineer, 2005
- WisDOT Certified TIA Preparer

Professional Affiliation

- Institute of Transportation Engineers, Wisconsin Chapter
 - Wisconsin Section Affiliate Director 2008-2009
 - Traffic Engineering and Planning Workshop Committee Member
 - Wisconsin Young Professional of the Year Award, 2001
- Chi Epsilon Civil Engineering Honor Society
- 2011 Marquette University College of Engineering Young Alumna of the Year