

Jocelyn Mamchur, PE

Supervising Civil Engineer – Transportation / Signals / ITS

Licensure

Professional Engineer (PE), State of Washington — License No. 49491 (2012)

Education

Bachelor of Science in Engineering, University of Manitoba, 2005

Professional Experience

City of Seattle – Seattle Department of Transportation (SDOT)

Supervising Civil Engineer | February 2020 – Present

Provide engineering oversight, review, and approval of transportation design documents including traffic signal systems, Intelligent Transportation Systems (ITS), and roadway lighting within the public right-of-way. Apply and interpret MUTCD, AASHTO, WSDOT, and City of Seattle Standard Specifications. Exercise engineering judgment on design compliance and deviations from standards. Supervise licensed professional engineers and junior staff and coordinate with construction, inspection, survey, and operations staff.

Senior Civil Engineer | 2012 – 2020

Served as design engineer and reviewer for traffic signal, lighting, and ITS projects. Prepared and reviewed engineering plans, specifications, and cost estimates. Coordinated with multidisciplinary teams and ensured compliance with applicable standards.

Associate Civil Engineer | 2006 – 2012

Supported planning, design, and review of transportation infrastructure projects. Assisted with preparation of drawings, calculations, and technical documentation. Participated in field reviews and construction coordination.

Prior Professional Experience

Nova Scotia Department of Public Works

Highway Design Engineer | 2005 – 2006

Performed highway design and review work for provincial transportation projects.

Manitoba Highways & Transportation

Traffic Engineering Aide | 2002 – 2005

Assisted with traffic engineering studies, data collection, and safety analysis.

University of Manitoba – Transportation Information Group

Student Researcher, Transportation Safety — Conducted transportation safety research and data analysis.

Areas of Engineering Expertise

Traffic signal design and operations; Intelligent Transportation Systems (ITS); roadway and street lighting design; public agency engineering standards and specifications; engineering design review and quality control; interpretation of construction documents; coordination between design and construction.

Standards and Guidelines

Manual on Uniform Traffic Control Devices (MUTCD); AASHTO Policy on Geometric Design of Highways and Streets; Washington State Department of Transportation (WSDOT) Design Manual; City of Seattle Standard Specifications for Road, Bridge, and Municipal Construction.

Professional Activities & Technical Review

Reviewed and provided technical comments on draft provisions of the 2023 Manual on Uniform Traffic Control Devices (MUTCD) as part of the public and stakeholder review process.

Publications & Technical Contributions

Key Contributor, City of Seattle Standard Plans and Specifications (2023 and 2026 editions).

Undergraduate Thesis: *Improving the Safety of Older Pedestrians in Winnipeg*, University of Manitoba, 2005 (James Wallace Institute of Transportation Engineers Award for Best Undergraduate Thesis).

Co-Author, *Improving the Safety of Older Pedestrians: From Understanding of the Problem to Generating Strategies*, 2005. Research cited in Kimley-Horn and Associates (2014) and Manitoba Public Insurance / Manitoba Public Utilities Board proceeding materials (2020). Research addressed pedestrian safety considerations affecting older populations at signalized and unsignalized crossings.

Professional Affiliations

Institute of Transportation Engineers (ITE); Illuminating Engineering Society (IES); American Public Works Association (APWA) Artificial Light at Night (ALAN) Subcommittee, Seattle, WA.