Scott O. Kuznicki, P.E.

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Scott O. Kuznicki, **P.E.**, is a traffic engineer and project manager with extensive public agency and private practice experience in policy development, planning, design, construction, and operations. Scott possesses a comprehensive knowledge of all aspects of transportation system management and operations. This expertise is an asset to public and private clients around the globe and is viewed as a vital part of the ongoing work of numerous transportation policy and research organizations.

PROFESSIONAL QUALIFICATIONS AND EDUCATION

- Registered Professional Engineer in Wisconsin (6-38377) and Washington State (43074)
- Holding a valid current Washington State Commercial Driver's License and current DOT Medical Card
- Holding currency with a valid FAA Private Pilot Certificate (Instrument Rated with privileges to operate single-engine, piston-powered aircraft) and with valid Third-Class FAA Medical Certificate

TECHNICAL AND PROJECT MANAGEMENT EXPERIENCE

Transpo Group *Kirkland, Washington State, USA* Dubai, United Arab Emirates
Director, Safety and Mobility Technology Solutions 2017 - *PRESENT*

Mr. Kuznicki leads the Safety and Mobilty Technology group at Transpo's US headquarters, ensuring a high level of client satisfaction related to Transpo Group's work in automated and connected vehicles technology development and deployment, transportation systems operation and management integration with emerging technologies, and user information systems applications. He previously led Middle East business development efforts and client management in the United Arab Emirates.

Sound Transit Mitigation Program Management
City of Mercer Island, Washington State, USA (2017)

Scott is the Program Manager for implementing mitigation projects related to a major light rail construction project across Mercer Island. Working as an integrated member of City staff, he is leading a team developing candidate projects and working toward program delivery of safety and congestion mitigation projects, including the deployment of automated shuttle services.

Sheikh Zayed Road Competition
Roads and Transport Authority, Dubai, United Arab Emirates (2017)

Under Scott's leadership as the Project Manager, Transpo team members from the Middle East and United States contributed to a cutting-edge report on innovate solutions to congestion on Sheikh Zayed Road, including new approaches to customer engagement and behavioral strategies.

Enterprise Command and Control Centre
Roads and Transport Authority, Dubai, United Arab Emirates (2017)

Working with the contract administration team for this design-build program, Scott ensured quality management for client-side presentations and meetings, including preparation of reports for key staff at senor leadership levels within the client's organization and the successful inauguration day activities that included attendance by the Ruler of Dubai and other dignitaries.

Modern Traffic Consultants Mercer Island, Washington, USA
President and Managing Engineer 2008 - 2017

In his private practice, Scott managed all pursuits, contract development, and contract administration, in addition to successfully completing all technical work. He has prepared traffic studies for a variety of clients in Washington State and South Dakota, evaluated traffic safety and operations for local agencies, including road diets and bicycle facility improvements

Introducing Human Factors in Roadway Design and Operations
United States DOT, Federal Highway Administration, National Highway Institute (2016-2017)

Scott is a registered instructor with the NHI and is presently contracted to teach the Human Factors in Transportation Engineering course with two other human factors professionals.

Mercer Island / Sound Transit Impacts
Various Community Groups

Working with various community groups, Scott helped bridge gaps between perception of transit project impacts and reality. He worked to develop materials for a public meeting that demonstrated the true impacts of transit construction and also assisted in modeling efforts by a group of concerned citizens to show the effectiveness of collaborative improvements to the City's street network.

Toxcel *Blacksburg, Virginia, USA* Mercer Island, Washington, USA
Practice Leader for Transportation Engineering 2016
Director of Traffic Engineering 2014 - 2016

Scott served as the global Transportation Engineering Practice Leader. In this role, he managed federal projects and led business development activities and major pursuits. He has provided leadership in the successful delivery of FHWA contracts, NCHRP research, and expert witness work, in addition to supporting technical program delivery for several USDOT initiatives. Mr. Kuznicki prepared facilitated workshops and scanning tours, prepared technical reports, and collaborated with clients in the production of materials for use by government officials, policy professionals, and planners and engineers.

Enhancing Safety and Operations in Complex Interchanges
United States DOT, Federal Highway Administration; Washington, DC, USA (2014-2016)

On this project, Scott directed the research planning activities, and preparation for field data collection and driving simulator testing operations. He was responsible for ensuring that roadway, driver, and vehicle elements were considered in the human factors evaluations and developed all of the traffic control devices and roadway geometry for the testing scenarios.

Highway Safety Improvement Program Scan Tour
United States DOT, Federal Highway Administration; Washington, DC, USA (2015)

Working with the Office of Safety, Scott and his team organized and conducted a scan tour of seven states. The scan team, led by Scott and a retired State DOT consulting engineer and comprising of safety professionals from throughout the United States, assessed the performance of States in meeting the objectives of the HSIP and prepared a report detailing the findings of the team.

Parsons Brinckerhoff *New York City, USA* Seattle, Washington, USA
Senior Traffic Engineer 2006 - 2007
Lead Traffic Engineer 2007 - 2012

Scott successfully completed numerous assignments as a project manager and technical services leader.

Alaskan Way Viaduct and Seawall Replacement Program
Washington State Department of Transportation; Seattle, Washington State, USA (2006-2011)

Scott proficiently supervised nearly US $2 million worth of contract document preparation and project support services. He personally sealed over 500 contract plan sheets and provided oversight of the successful delivery of numerous contract plan sets for construction and support of construction activities, including change orders, cost estimation. Additionally, he developed leading-edge methods for providing information in tunnels, including new applications of overhead signs and tunnel systems equipment using emerging technologies.

Active Traffic Management Systems and Express Lanes Planning and Pre-Design
Washington State Department of Transportation; Olympia, Washington State, USA (2009-2012)

Scott contributed to the scoping, concept of operations, and preliminary design for WSDOT's Active Traffic Management Systems and Express Lanes, including human factors evaluations of driver workload and driver behavior related to toll rate signing and active traffic management systems.

Honolulu Rail Transit Program
City and County of Honolulu; Honolulu, Hawai'i, USA (2011-2012)

On this US $1.2-billion design/build project, Scott represented the owner in contract enforcement and interpretation, design review and resolution, and coordination with partner agencies. He provided owner review of contract plans for the fully-automated fixed-guideway system design.

Illinois Department of Transportation *(District 1)* Schaumburg, Illinois, USA
Civil Engineer 2000 - 2006

Scott worked in the maintenance, bridge, and traffic design offices. As *Area Traffic Field Engineer* for five years, he interacted with the public and other agency staff, ensuring safe and efficient operations on roadways in a 300-square-mile area while developing asset management program and policy briefs.

Minnesota Department of Transportation *(District 6)* Rochester, Minnesota, USA
Engineering Paraprofessional (MnDOT Internship Program) 1998

Scott developed and implemented a program for populating a GIS-based database with GPS location, inspection, and rating of hydraulic structures and performed land surveying and construction surveying.

EDUCATION

University of Wisconsin – Platteville **Platteville, Wisconsin**
Bachelor of Science in Civil Engineering 2000

PROFESSIONAL DEVELOPMENT & CIVIC ACTIVITIES

- **Presentations and Publications**

Kuznicki, S. Reading the Road Ahead: Infrastructure Readiness. . Organizing Official and Presiding Officer, Workshop Session (4 hours), Automated Vehicles Symposium, AUVSI and TRB. San Francisco, CA, July 2017.

Hamood, F., Kuznicki, S., Perry, L. Ramp Terminal Crosswalk for San Diego Airport, Terminal 1. Proceedings of the Western District Meeting of the ITE. San Diego, CA, June 2017.

Kuznicki, S. Rural Road Safety Research: Practical Applications. Organizing Official and Presiding Officer, Session 516, 96th Annual Meeting of the TRB. Washington, DC, January 2017.

Katz, B., Kuznicki, S., Miller, S., Kehoe, N. Enhancing Safety and Operations in Complex Interchanges Final Project Report. FHWA, Washington, DC, 2017. (ANTICIPATED)

Katz, B., Kissner, E., Kuznicki, S., Shurbutt, J. Evaluation and Recommendations for Design Consistency of Guide Signs. Paper 17-04477, Proceedings of the 96th Annual Meeting of the TRB. Washington, DC, 2017.

Kuznicki, S., Katz, B., Shurbutt, J., Kehoe, N., Cobb, D. Using Unmanned Aerial Systems in Transportation Operations Research. Paper 17-00709, Submitted for the 96th Annual Meeting of the TRB. Washington, DC, 2017.

Katz, B., Kuznicki, S., Kissner, E. Designing for People: Unlocking Human Behavior to Build a Better Transportation System. *ITE Journal*. Part 2 of 2, August 2016.

Kuznicki, S. Ambiguous Infrastructure: When Signing and Pavement Markings Don't Make Sense to Drivers or Machines. Presentation Session, Automated Vehicles Symposium, AUVSI and TRB. San Francisco, CA, 2016.

Miller, S., Kuznicki, S. Designing for People: Unlocking Human Behavior to Build a Better Transportation System. *ITE Journal*. Part 1 of 2, May 2016.

Kuznicki, S., Ibarguen, B., Symoun, J., Pavao, P. Highway Safety Improvement Program Final Report. FHWA-SA-16-024, Washington, DC, April 2016.

Kuznicki, S., Giancola, A. Rural Road Safety Research: Practical Applications. Organizing Official and Presiding Officer, Session 211, 95th Annual Meeting of the TRB. Washington, DC, January 2016.

Kuznicki, S. Kuznicki, S. and Katz, B. Designing for Consistency: Matching Applications to Scenarios in the Use of Traffic Control Devices / Pavement Markings. Paper 164, Proceedings of the 5th International Symposium on Highway Geometric Design. Vancouver, BC, Canada, 2015.

Kuznicki, S. and Katz, B. Designing for Consistency: Matching Applications to Scenarios in the Use of Traffic Control Devices / Signing. Paper 163, Proceedings of the 5th International Symposium on Highway Geometric Design. Vancouver, BC, Canada, 2015.

Kuznicki, S. and Avery, R. Database-Driven Implementation for Future Editions of the MUTCD. Paper 14-0448, Proceedings of the 93rd Annual Meeting of the TRB. Washington, DC, 2014

Presented at the 93rd Annual Meeting of the TRB, the July 2014 Joint Meeting of the Western and Midwestern Districts of ITE, and the January 2015 meeting of the National Committee on Uniform Traffic Control Devices.

Kuznicki, S. Getting Around to Signing. *Roundabouts Now*. April 2012.

Kuznicki, S. Evaluating Pavement Marking and Signing Characteristics and Asset Management Approach for Traffic Sign Maintenance. Presiding Officer, Session 261, 90th Annual Meeting of the TRB. Washington, DC, 2011.

Kuznicki, S. Challenges in Design, Selection, and Placement of Traffic Control Devices: TRB Human Factors Workshop Series. Workshop Organizer and Chair, 89th Annual Meeting of the TRB, January 2010

Kuznicki, S. Signing of Option Lanes on Freeways and Expressways.

Presented at the 89th Annual Meeting of the TRB to the Traffic Control Devices Committee (AHB50), January 2010

- **Adjunct Lecturer**

  Invited to the University of Washington and the University of Wisconsin – Platteville, speaking to traffic engineering courses on topics including the federal regulatory process and the *MUTCD*.

- **National Committee on Uniform Traffic Control Devices**
  - Technical Member, Regulatory and Warning Signs Technical Committee
  - Task Force Lead for four task forces, including Pedestrian Signing at Crosswalks
  - Member of Toll and Managed Lanes Task Force
- **Transportation Research Board**
  - Member, Traffic Control Devices (AHB 50) and Signing and Marking Materials Committees (AHD 55)
  - Member, Joint Sub-Committee on Rural Road Safety Policy, Programming, and Implementation
- **American Society of Civil Engineers** *(Member)*
- **Institute of Transportation Engineers** *(Member)*
  - Member of the Advocacy Committee, graduate of the 2015 LeadershipITE program
  - Scribe, Washington State Section
- Civil Air Patrol, 69th Squadron, Washington Wing
  - Aerospace Education Officer *(PRIOR)*
  - Operations Officer, Renton Squadron *(PRIOR)*
  - Assistant Washington Wing Director of Operations
  - Air Force-certified Mission Pilot, Mission Observer, Mission Scanner
  - Certified in National Incident Management System (NIMS)
  - Mission Staff Assistant for Incident Command Systems (ICS)