102 Morning Cloud Street – Austin, TX 78734 | 512-213-9945 | jamil_khalid@yahoo.com

Khalid Jamil, P.E.

Senior Program Manager

Khalid Jamil is a senior transportation engineer with more than 25 years of experience in transportation engineering out of which more than 20 years in management of transportation engineering programs/projects in private and public sector. For the last seven plus years, Khalid has been managing traffic simulation/operation and safety analysis programs at TxDOT Design Division. Khalid has been at the forefront of implementation of safety initiatives in the project development at TxDOT. Khalid has extensive experience in all aspect of program management including overseeing the operation; development and management of resources and budget. His expertise includes transportation planning, roadway design, traffic operational and safety analysis, traffic studies and design including traffic control, ITS, Illumination and traffic management. He has managed development of various standard operating procedures (SOPs), design guides and manual. He has knowledge of federal and state laws as it relates to highways/traffic engineering. Throughout his career, Khalid has been regularly presenting at various forums including local governments, focus groups, higher institutions, research, and professional organizations, TRB, AASHTO and at various TxDOT conferences. He is a formal adjunct faculty at University of Massachusetts and Connecticut State University and served as panel member of NCEES PE Exam Setting. Currently Khalid is currently serving as member of TRB Standing Committee on Performance-based Geometric Design (AKL11). He served on Safety Analysis (ACS20), chair/panel member at various NCHRP projects for safety and operation, and member of FHWA Technical Advisory Committee for Highway Safety Manual Implementation.

TxDOT Design Division., Austin, Texas – May 2018 to date

During the last seven plus years, as Traffic Simulation/Operation and Safety Analysis Section Director/Highway Safety and Operation Supervisor, Khalid started these programs including development of functions, recruitment, training and development of staff. He led traffic safety and operation programs in Design Division to support project development. He worked closely with TxDOT 25 districts, various TxDOT divisions, FHWA, local governments, and other state DOTs. He provided leadership for the development and implementation of various initiatives and tools to improve traffic safety, operation and project delivery:

- Traffic and Safety Analysis Procedural (TSAP) Manual
- Interstate Access Justification Report (IAJR) SOP
- Design Exception SOP
- Safer by Design (SBD) (Safety Scoring Tools)
- Highway Safety Manual Implementation
- Crash Modification Factors (CMFs) Guide
- Roadway Safety Audit (RSA) Guide
- Safety and Operation analysis into PEPS Scope and Consultants Precertification
- Various Guidance related to Safety and Operation
- Dashboards for IAJRS and SBD
- Research Projects to develop guidance
- Trainings for safety and simulation/operational analysis

Education

M.S. - Civil Engineering University of Arkansas at Fayetteville, AR, 1993

B.S. – Civil Engineering University of Engineering & Technology, Lahore, Pakistan 1983

Registrations

Professional Engineer:
Texas, 2004
Connecticut, 1998
Massachusetts, 2001
Louisiana,2004
Arizona 2005
Mississippi 2004

Academic

University of Massachusetts at Lowell, MA Adjunct Faculty Traffic Engineering 2002

Central Connecticut State University, New Britain, CT Adjunct Faculty Transportation Engineering 1998 - 2001.

American Assoc of University Professors, 1998-2001

Research

Member Standing Committee, TRB Performance-based Geom Design (AKL11)
Past Member Highway Safety Analysis (ACS 20)

Highway Safety and Operation Supervisor, TxDOT Design Division., Austin, Texas – February 2023 to date.

Established and oversee the new branch. Responsibilities included developing branch functions, recruitment, training and development of staff. Managing the following two groups:

Interstate Projects

- Guidance, coordination, development and review of Interstate projects including Schematics, IAJRS, and Design Exceptions
- Monitor for conformance to TxDOT-FHWA Stewardship & Oversight Agreement;
- Development and Compliance of IAJR Programmatic Agreement
- Interstate projects/IAJR Tracking Dashboard

Traffic Simulation and Safety Analysis

- Direct traffic and safety analysis to support project development
- Coordinate/facilitate training seminars/workshops related to traffic and safety including IAJRs
- Coordinate, and review of monthly safety scoring reports for Commission's review
- Continue overseeing and managing the group's functions listed below

Section Director, Traffic Simulation and Safety Analysis, TxDOT Design Division., Austin, Texas – May 2018 to February 2023.

Established and oversee the new section. Responsibilities included:

- Establishing and maintaining a foundation of customer service, and support to build upon Section
- Manage the recruitment, training, and development of staff to maintain and improve the program
- Manage the planning, scheduling, and operational activities for the section
- Updated sections of TxDOT Project Process Manual, and Roadway Design Manuals
- TxDOT PEPS Env & Schematics Consultant Scope template
- TxDOT PEPS Consultants precertification for traffic and safety analysis
- Developed Interstate Access Justification Report (IAJR) Standard Operating Procedures (SOP)
- Developed draft Design Exception SOP
- Developed various Guidance related to traffic operational and safety analysis
- Support development and maintenance of System Safety Scoring Tools
- Review, support and report statewide safety scores of eligible construction projects
- Manage development of TxDOT Traffic and Safety Analysis Procedural (TSAP) Manual
- Initiated and facilitated regular trainings for IAJR, Traffic Operation and Safety Analysis
- Establish working relationship and Coordinate with FHWA Division, Resource Ctr and HQ and other State DOTs
- Presented at various TxDOT Short Courses, TxDOT Planning Conference, TxDOT Safety/Maintenance Conference, TxDOT PEPS Conference, TxDOT Eng & Op, TPD Quarterly meetings, TRB Committee, Pool Funds, ITE Chapter
- Participate at TxDOT System Safety Council, Pedestrian and Bicycle Safety Task Force, TxDOT Safety and Operation research committee
- Project lead for various TxDOT operational and safety related research projects
- Panel member of various NCHRP projects involving traffic safety, operation and intersections
- Represent TxDOT at Transportation Pool Funds for operational and safety
- State Legislative Affairs – TxDOT Subject Matter Expert (SME) for Design

Senior Project Manager, Michael Baker International., Austin/Round Rock, Texas – 2005 to 2018

As project/task manager lead traffic engineer responsible for project/task management for planning & design activities. Responsibilities included, proposal, scope of services, project scheduling & work plan project management plan, oversight of work done by staff & sub-consultants, coordination with client and presentation to stake holders. Representative projects include:

- Task Lead for I-35 Mobility Projects in Travis and Hays County. Projects including, I-35 Improvements Schematics and IAJRs at various locations,
- Task Lead for I-35 at 51st Street Interchange Schematics, PS&E, IAJR, Austin, TX
- Task Manager for SH 5 Corridor Schematics and traffic study, McKinney, TX
- Task Manager DNT/PGBT interchange Schematics and PS&E, Plano, TX
- Traffic/ITS/Toll Design Manager responsible for the preparation of construction plans, agencies coordination, traffic control during construction on the $200 M US 290/Manor Expressway design-build project in Austin TX.
- Task Manager SH121/SWP, Fort Worth, TX
- Project Manager for various planning and engineering studies at military installations including Fort Sam Houston, Lackland Airforce base and Camp Bullis, San Antonio, TX
- Traffic Task Manager, New Britain-Hartford Busway, Hartford, CT. Responsible for study, and design of dozens of intersection traffic signals and review of design by other section engineers

Traffic Group Leader, ABMB (STANTEC), Baton Rouge, LA - 2004 to 2005

Responsible for scope of services, project scheduling & work plan development and quality control of traffic engineering projects/tasks and supervision of traffic staff. Representative projects include:

- Project Manager on the I-10 Sign project (junction I-10 to US 61), Baton Rouge, LA
- Project Manager for North Bypass for Baton Rouge, Baton Rouge, LA
- Project Manager, Monroe Transportation Plan Update, Monroe, LA

Senior Transportation Engineer/ Deputy Project Manager, Earth Tech, Glastonbury, CT - 2002 to 2004

Responsible for proposals scope of services, development and quality control of traffic engineering projects/tasks and supervision of sub-consultant. Representative projects include:

- Traffic Task Lead, Tappan Zee Bridge/ I-287 Corridor Study, Westchester and Rockland County, New York
- Deputy Project Manager Buckland Hills Area Signal System, Town of Manchester, CT

Traffic Department Manager, Louis Berger Group, Needham, MA - 2001 to 2002

Responsible for proposals, development and quality control of traffic engineering projects/tasks and supervision of traffic staff. Representative projects include:

- Traffic Design Manager, Central Artery (Big Dig) I-90/I-93 Interchange (Big Dig), Boston, MA
- Project Manager, Columbine Square Intersection Improvements, Weymouth, MA
- Project Manager, Boston Autoport Traffic Study, Boston, MA

Project Engineer, GM2 Associates, Glastonbury, CT - 1994 to 2001

Responsible for preliminary engineering studies, traffic engineering analysis, roadway design, traffic control design, environmental permit documentation, contract document development and contract administration. Representative projects include:

- Project Engineer, Intersection Improvements, Rte 80/ 22, North Branford, CT
- Project Engineer, Interchange Improvements I-95 exit 56, Branford, CT
- Project Engineer, Reconstruction of Monroe Street, Norwalk, CT