



Faisal Saleem

ITS Branch Manager & MCDOT
SMARTDrive Program Manager

BIOGRAPHY FOR FAISAL SALEEM

Faisal Saleem has served MCDOT for nearly 20 years as the ITS Branch Manager, the MCDOT SMART*Drive* ProgramSM Manager and the AZTech Technical Lead. He has been instrumental in leading MCDOT and AZTech (a regional ITS partnership) in process improvements through the integration of TSMO strategies and solutions that have been recognized by industry and government organizations.

Faisal Saleem has dedicated his career to advancing TSMO through Intelligent Transportation Systems (ITS) strategies and solutions to improve safety, mobility and efficiency. His commitment to excellence drives his continuous learning of new practices, technologies and methods to ensure that Maricopa County has the resources and leading-edge technology to deploy TSMO solutions on the region's roadways. He is committed to the advancement of TSMO through leadership, education and the continuing integration of TSMO strategies and solutions.



Maricopa County
Department of Transportation

Faisal Saleem is responsible for the overall supervision and management of both MCDOT and regional ITS Projects, the Regional Emergency Action Coordinating Team (REACT) Incident Management Program, the MCDOT Traffic Management Center (TMC), the Anthem Connected Vehicle SMART*Drive* ProgramSM, the AZTech Regional Archived Data System (RADS), and the AZTech Regional Information System (ARIS).

Faisal has led or been influential in the development of many programs to improve traffic operations not only on county roads but, in partnership with multiple jurisdictions throughout the Phoenix Metropolitan Area.

Here are just a few of the programs and projects Faisal has championed:

- **AZTech Regional Partnership** - AZTech is a regional traffic management partnership based in Phoenix, Arizona that guides the application of Intelligent Transportation System (ITS) technologies for managing regional traffic.
- **AZTech Regional Information System (ARIS)** – This regional ITS tool provides real-time traffic incident information to local jurisdictions to assist in the management and clearing of traffic incidents.
- **Bell Road Adaptive Traffic Signal Control Technology (ASCT) Project** – This project added adaptive traffic signal control capabilities along 15.6 miles of Bell Road while partnering with seven different jurisdictions.
- **Loop 101 (L101) Integrated Corridor Management (ICM) Plan** - The ICM plan was developed in coordination with the Arizona Department of Transportation (ADOT), city of Scottsdale, Arizona Department of Public Safety, Salt River Pima Maricopa Indian Community and MCDOT to provide improved traffic operations and communication during incident related closures on Loop 101.
- **MCDOT SMART Drive ProgramSM and Connected Vehicle Test Bed** - MCDOT, University of Arizona and ADOT have developed, tested and deployed vehicle communication technology that will provide prioritization to help prevent collisions at signalized intersections. This technology has been deployed at the Anthem Arizona Connected Vehicle Test Bed.
- **Smarter Work Zone** – The Smarter Work Zone project uses ITS and connected vehicle technology to provide real-time travel information to drivers entering and driving through road construction work zones with the goal of improving safety and mobility.
- **Work Zone Data Initiative** - As part of the USDOTs Work Zone Initiative, MCDOT is participating in a pilot program to produce arterial construction work zone data in USDOT’s WZDx format as a standard feed for USDOT consumption.
- **TSMO Research and Testing** - Faisal is championing an effort to establish a “first of its kind” TSMO Lab focusing on establishing testing standards and testing ITS devices before field deployment.

In pursuit of professional development, Faisal earned a Bachelor of Science (Civil Engineering) from Aligarh M. University, Aligarh, India in 1981; a Master of Science (Civil Engineering) from the University of Petroleum & Minerals, Dhahran, Saudi Arabia in 1985; a graduate certificate from the University of Maryland, Operations Academy Senior Management Program in 2010; and certification in global management from Thunderbird School of Management, Glendale, Arizona in 2006.

In pursuit of professional development, Faisal earned a Bachelor of Science (Civil Engineering) from Aligarh M. University, Aligarh, India in 1981; a Master of Science (Civil Engineering) from the University of Petroleum & Minerals, Dhahran, Saudi Arabia in 1985; a graduate certificate from the University of Maryland, Operations Academy Senior Management Program in 2010; and certification in global management from Thunderbird School of Management, Glendale, Arizona in 2006.

WORKING TO ADVANCE TSMO

Faisal Saleem not only leads positive change within the department but, also accepts the challenge of driving change nationally. He has been instrumental in many FHWA sponsored trainings such as the Arizona Capability Maturity Model (CMM) Workshop and the Arizona TSMO Executive Briefing for Arizona leaders and decision makers. He also played a key role in the FHWA Arizona TSMO Technical Summit which facilitated collaborative discussions to help agencies identify where they are today, where they want to be and how to get there. His commitment to excellence has led to many opportunities for him to serve in leadership roles for professional organizations and task forces include currently serving as:

- Chair, Technical Resources Working Group, Cooperative Automated Transportation (CAT) Coalition
- Co-Chair, Infrastructure Owner Operator / Original Equipment Manufacturer (IOO/OEM) Forum, Local (city & county) DOTs

He also hosted the USDOT sponsored The Work Zone Data Initiative: Smarter Work Zones (SWZ) and Work Zone Activity Data Peer Exchange and Demonstration Site Visit where peers from across the country learned more about managing work zone activity data (WZAD) using SWZ strategies to support operations and other organizational work flows.

Faisal Saleem has participated in numerous additional national committees, projects, and activities to advance TSMO, but they are too numerous to list here.