

**September 2015**

## Introducing 4 New Utah Operations Personnel

**South Jordan, UT** - Wilson & Company has a new team of key operations personnel for planning and designing projects in Utah. All local employees, these technical professionals bring a broad mix of transportation and civil experience, which helps local municipal and state clients address issues that impact their communities, and the lives of the residents who live here.

### **Stephen Bryan, PE, Utah Operations Manager**

Stephen and his team help clients in all facets of civil engineering, including roadway, drainage, structural, and traffic design. Stephen is currently the Assistant Design Manager on the \$158 million I-15 The Point project for the Utah Department of Transportation (UDOT), responsible for day-to-day management of engineering operations. He has more than 15 years of engineering experience, including managing and/or serving as design lead on projects, including SR-154; Bangerter Highway at 7800 S., 7000 S., and 6200 S. Design-Build, where he managed the design of the first grade separated interchange on Bangerter Highway. This innovative project has received numerous awards, including the American Council of Engineering Companies (ACEC) Utah Chapter's 2013 Engineering Excellence Award.

Stephen is a licensed professional engineer in Utah, Idaho, and Colorado. He holds a Master of Engineering degree in Civil Engineering and a Bachelor of Science degree in Civil Engineering from the University of Utah.

### **Trent Thatcher, PE, PTOE, Senior Transportation Planner and Traffic Engineer**

Trent works with local and state governmental agencies to improve the safety and mobility of multimodal transportation networks. He has deep knowledge of transportation planning and design to improve local communities, including designing transit accessible communities and active transportation networks. Previously, Trent served as Assistant State Traffic Engineer for the Arizona Department of Transportation (ADOT) where he managed the Traffic Design Division, responsible for developing and implementing the statewide traffic engineering quality control program and traffic design standards. Trent also assisted in a statewide Highway Special Investigation Report to assess wrong-way driving on controlled-access highways. Arizona faced an average of 25 reports of wrong-way drivers per month. Trent and his team evaluated 475 interchanges throughout the state and developed a series of solutions, including modifying signage design standards to require "Do Not Enter" and "Wrong Way" signage with specific height and placement requirements. As an additional safety precaution, cameras and radar were also installed at various locations to detect wrong-way drivers. These efforts have resulted in Trent being recognized as a vital resource in resolving statewide traffic safety problems.

Trent is a licensed professional engineer in Utah, Arizona, and Nevada, and a certified professional traffic operations engineer. He holds a Bachelor of Science degree in Civil and Environmental Engineering from the University of Utah. He is a member of the Institute of Transportation Engineers (ITE) and the American Public Works Association (APWA).

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10913 South River Front Parkway  
Suite 125  
South Jordan, UT 84095

stephen.bryan@wilsonco.com  
phone: 801.307.2859



10913 South River Front Parkway  
Suite 125  
South Jordan, UT 84095

trent.thatcher@wilsonco.com  
phone: 801.307.2847



10913 South River Front Parkway  
Suite 125  
South Jordan, UT 84095

waleed.khalid@wilsonco.com  
phone: 801.307.2862

### **Waleed Khalid, SE, Structures Design Manager, Transportation and Light Rail Transit**

Waleed works with our local structures group to design sustainable, cost effective, and community-enhancing solutions to improve Utah's transportation infrastructure. With 16 years of experience designing the structural components of complex transportation infrastructure projects, including highway bridges and light rail systems, Waleed understands the importance and benefits of connecting communities through a multimodal transportation network. In his previous role as Structures Lead for the Central Puget Sound Regional Transit Authority, also known as Sound Transit, Waleed performed structural design services for their East Link, Northgate Link, Lynnwood Link, and South 200th Link projects. The \$2.6 billion East Link project is the first light rail track system designed to operate on a floating bridge. Waleed worked with the design team and the University of Washington to develop prototypes for the Curved Element Support Rail system and track attachment system to validate this complex design. In addition, Waleed used state-of-the-art non-linear time history seismic analyses to retrofit five bridges for the Washington Department of Transportation (WDOT) to facilitate combining light rail and highway traffic. Waleed's breadth of experience and fresh perspective allows him to bring outside ideas and effective solutions to solve Utah's transportation structure needs.

Waleed is a licensed structural engineer in Utah and Illinois, and a licensed professional engineer in Washington and Ohio. He holds a Master of Science degree in Civil Engineering from Purdue University and a Bachelor of Science degree in Civil Engineering from the University of Engineering and Technology in Pakistan.



10913 South River Front Parkway  
Suite 125  
South Jordan, UT 84095

john.nelson@wilsonco.com  
phone: 801.307.2863

### **John Nelson, PE, Senior Environmental Hydrology and Hydraulic Engineer**

Since joining Wilson & Company in 2014, John has led the interstate and street drainage system design for the \$158 million I-15 The Point project for UDOT, which requires extensive design coordination with multiple local government agencies, reconstruction of a box culvert, and design of eight new ponds with an interrelated pond system. John works with clients to design and implement Best Management Practices on storm and surface water management projects. John also assists clients with developing Storm Water Pollution Prevention Plans to obtain land disturbance permits. Prior to joining Wilson & Company, John served as an Emergency Watershed Protection (EWP) Specialist for the Natural Resources Conservation Service, where he met with clients to assess the eligibility of projects for the EWP Program. He also provided design and/or construction inspection services on more than 30 stream bank restoration and irrigation diversion projects. John's diverse background in urban and rural design allows him to provide an innovative approach to hydraulic and hydrologic engineering.

John is a licensed professional engineer in Utah and Georgia. He holds a Master of Science degree in Environmental Engineering from the Georgia Institute of Technology and a Bachelor of Science degree in Chemical Engineering from Brigham Young University.

Wilson & Company was founded in 1932 and is a multi-disciplinary engineering, architecture, surveying, mapping, and planning firm employing a staff of 450 throughout 18 office locations in 12 states. The firm provides services to a diverse client base including federal and municipal governments, public transportation agencies, railroad companies, industrial and commercial corporations, and private developers.

The cornerstone of our success is Higher Relationships, excellence in Discipline, Intensity, Collaboration Shared Ownership, and Solutions.