

DEPUTY DIRECTOR LEAVES NDOT



NDOT Deputy Director and Chief Engineer Scott Rawlins has left state service. Rawlins worked for the Department for 18 years, beginning his NDOT career as staff I associate engineer in roadway design and moving up through project management. He managed more than \$2 billion in transportation improvements and gained vast knowledge of southern Nevada as project manager for some of the area's most vital road projects, from the I-515/Beltway interchange to the Nevada Hoover Dam Bypass approach freeway. After being named assistant director of engineering, he oversaw all pre-construction activities. As deputy director for the past six years, Rawlins provided executive leadership for some of NDOT's largest initiatives to create an even more efficient, accountable and customer service-oriented Department.

Some of those efficiencies were developed through the continuing Pioneer Program. The program helps secure much-needed project funding and support through public-private partnerships and recently received approval for the

Regional Transportation Commission of Southern Nevada to seek a private partner to build a potential Boulder City Bypass toll road.

Rawlins also championed NDOT's use of the design-build construction process. In design-build projects, final project phases are often designed collaboratively at the same time that earlier phases are being built; reducing project length, cost and risk while increasing innovation. The process has been put to good use on multiple NDOT projects from the award-winning I-15 North Design-Build Project to the groundbreaking Mesquite Interchange Design-Build Project.

The Department's evolution into a matrix organization, using empowered project teams for efficient project delivery, was also spearheaded by Rawlins. And, amid changing gasoline use and eroding transportation tax base created in part by more energy-efficient vehicles, Rawlins provided executive leadership of NDOT's Vehicle Miles Traveled Study to study potential new use-based funding sources.

"I would like to applaud and commend Scott," Director Susan Martinovich explained. "I truly appreciate all of his efforts. I, along with the Department, could not have done it without Scott's partnership and work!"

"It's been an exciting and challenging time for NDOT," Rawlins said. "It's the great people at the Department and the time and expertise they have dedicated that has really helped establish us as a national leader with innovative programs. I know NDOT staff will continue to raise the bar even further to meet any challenges ahead."

Rawlins now embarks on a new step in his career, consulting on the establishment of public-private transportation partnerships.

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Susan Martinovich, P.E.
NDOT Director

Brian Sandoval
Governor

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ACCELERATING NEVADA'S ECONOMY, IMPROVING NEVADA ROADS

Just one year after launching, NDOT's accelerated project delivery program has successfully improved roads across the state while pumping important construction dollars into Nevada's economy.

The \$70 million program launched in spring 2011, allowing NDOT to quickly push needed projects out to consulting firms and highway contractors across the state. To date, all nine of the projects scheduled for construction have been contracted, with construction already complete on three projects. The remaining six projects are scheduled for completion this summer. With

an average of only three months from identification of a project to awarding of the contract, all completed projects have finished early or on schedule and on or under budget. A total of 30 projects are being scoped as part of the program, with 26 of the projects already having completed the scoping process.

The vital road preservation and safety projects vary from road rehabilitation in southern and northern Nevada to retrofitting drainage inlets in the Tahoe basin. Such proactive preservation of roadways before more costly, time-involved repairs are needed has in the past saved the Department millions. Not only do the projects help preserve and make Nevada roads even safer, they bolster the economy by employing road contractors, consultants and suppliers across the state.

"We've been able to contract with nearly 20 different contractors and service providers through the program," NDOT Director Susan Martinovich



explained. "There is an economic gain of approximately \$1.50 for every \$1 invested in transportation, so making road work available to all of these companies helps give the entire state an economic boost."

With consultants and contractors overseeing and constructing the accelerated projects, NDOT staff can remain dedicated to working on core Department projects and programs.

"NDOT staff members are already busy on other Department projects and priorities," NDOT Project Management Chief Amir Soltani described. "To minimize impacts to NDOT staff, NDOT team members selected the projects and provide project guidance, but we rely on service providers for day-to-day administration of these projects."

Cost efficiencies were also developed within the program. Less than five percent of total project costs within the accelerated delivery program went to program management, scoping and final design, compared to an average of 10 percent or more on traditionally-delivered projects.

The accelerated delivery program is just one part of continuing efforts by NDOT staff to swiftly and efficiently use any available transportation funding to spur economic activity through needed transportation improvements. Over recent years, NDOT and local transportation partners have also utilized more than \$200 million in federal American Recovery and Reinvestment Act funds to build 70 plus road and transportation projects and improvements across the state.



TAKING CARE with WebCARE



NDOT’s, and Nevada’s, traffic safety goal is zero fatalities. In their work to save lives, NDOT safety engineering has developed a web portal called WebCARE to put crash data at the fingertips of safety officials across the state.

The portal pools data from several sources such as the Nevada Citation and Accident Tracking System (NCATS), NDOT, RTC, Google Maps and more, and displays it via user-friendly maps, tables, charts and search queries. Overlaying the results on various maps allows for geographic analysis, helping safety officials pinpoint and put safety enhancements at any “hot spot” where safety issues may be occurring.

Even with the wealth of data, WebCARE can quickly query the enormous database and return results thanks to an intermediary dataset called CARE. This CARE application, originally developed by the University of Alabama, summarizes data in a compressed format that can quickly transfer online. Crash data is available back to January 2006.

The vital safety tool has recently been enhanced. NDOT and the Regional Transportation Commission of Southern Nevada have developed a pilot website specifically for the Las Vegas-area safety

community. The site organizes data by jurisdiction, such as Las Vegas, North Las Vegas, Henderson, Clark County and statewide, and places it against relevant southern Nevada jurisdictional or area maps as requested by users such as school districts. If successful, NDOT hopes to implement a version for the Regional Transportation Commission of Washoe County, as well as potential customized versions for law enforcement and others.

NDOT contracted with ITIS Corp. to develop the Google-based dashboard that allows for easy viewing of crash data statewide.

“Safety stakeholders all across the state have one goal: zero fatalities,” NDOT Chief Safety Engineer Chuck Reider explained. “Along with specific safety strategies and road enhancements such as rumble strips, WebCARE is one of the tools that make up the road map of how we will get there.”

For further information or to request WebCARE access, contact Lawrie Black, NDOT Senior GIS Analyst at 775-888-7206 or lblack@dot.state.nv.us.



A Sad Goodbye

NDOT lost a family member earlier this year with the passing of William "Craig" Kemp. Craig had been Ely's equipment operator instructor for almost a year after previously working on signing and striping crew 342. As his NDOT co-workers recall him as a great friend and gentleman, they are now left to reflect on shared memories such as using Craig's travel trailer as a nightly dinner spot during a week-long striping project near Austin and Craig's efforts in making his family's 500-acre ranch self-sufficient through geothermal and wind energy. He will be sorely missed.



Kudos Korner

"On behalf of the Washoe Tribe Environmental Department, I would like to thank NDOT for the coordination and cooperation that the staff, principally **Eric Yount and Joselio Ramirez** (of Hydraulics), has demonstrated during the planning and construction of the U.S. 395 south improvements in Douglas County.

NDOT's willingness to work with the tribal staff early in the planning process gives all parties involved the opportunity to understand the concerns and options within the scope of the project. We feel that NDOT has been helpful, receptive and responsive to the tribe's concerns."

Dan Greytak

Washoe Tribe Environmental Protection Department

Welcome

Christopher Adams, *Winnemucca*
Zelalem Alemu, *Carson*
Samuel Andales, *Las Vegas*
Jennifer Bahmiller, *Reno*
Daniel Bigrigg, *Carson*
Lisa Bleck, *Winnemucca*
Matthew Demattei, *Carson*
Susan Doucet, *Las Vegas*
Kacey Dowers, *Blue Jay*
Daniel Fogle, *Las Vegas*
Richard French, *Reno*
Carol Handegard, *Las Vegas*
Brandon Harmon, *Reno*
Robert Henderson, *Orovada*
John Herman, *Las Vegas*
Cesar Hernandez-Huerta, *Las Vegas*
Ryan Hornback, *Carson City*
Jermaine Jackson, *Reno*
John Jones, *Austin*
Lawrence Jueden, *Elko*
Andrew Knust, *Carson*

Joli Krueger, *Las Vegas*
Mark Lansford, *Las Vegas*
Haiyuan Li, *Carson*
Rhidian Maehl, *Las Vegas*
Harold McCoy, *Elko*
Julian Mora, *Las Vegas*
Daniel Ochoa, *Tonopah*
Linnette Ollson, *Carson*
David Pennington, *Reno*
Linda Quinn, *Carson*
Steven Robinson, *Mina*
Stephani Ruiz, *Reno*
Michael Saar, *Lovelock*
Megan Schmock, *Las Vegas*
Hope Smith, *Las Vegas*
Janelle Thomas, *Carson*
Mark Tuma, *Las Vegas*
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