

# MAINTENANCE

Arizona Department of Transportation Research Center

ADOT

A well-maintained and attractive roadway contributes positively to the traveler's experience and to the image of the responsible transportation agency. Informational signs, appropriate striping, rest areas, and roadside landscaping are among the features of a well-maintained highway.

Research conducted within the **maintenance emphasis area** serves to enhance the practice of operational and strategic planning for the maintenance and operation of roadways, pavement preservation, compliance with state and federal regulations, and risk management.

## Representative Projects

**SPR 612: Synthesis of Animal-Vehicle Mitigation Measures.** A compilation of successful practices utilized by other states to mitigate animal-vehicle collisions, as well as recommendations for cost-effective maintenance measures that contribute to a reduction in animal-vehicle collisions. *Published.*

**SPR 500: Aggregate Sources for Construction and Maintenance in Northern Arizona.** Identification of the aggregate sources available for construction and maintenance in northern Arizona, and the means by which these sources will be used. *Ongoing.*

**SPR 617: Evaluate Effects of Snowplow and Deicing Chemicals on Rubberized Asphalt Pavements.** An evaluation of the effect of various ice and snow melting chemicals on rubberized pavements; and identification of the most cost-effective chemical blends, application rate and procedure, and other maintenance strategies for rubberized pavements. *Ongoing.*



## Project Manager

### Jason Harris

MBA, Arizona State University  
BS, Arizona State University  
Registered Civil Engineer, Arizona  
Project Management Professional

Jason joined ADOT in 1998 as an intern, and was accepted into ADOT's

Engineer-In-Training (EIT) program the following year. Prior to joining the ADOT Research Center in 2006, Jason spent a year working as a Project Engineer for the City of Chandler's Construction Management team, where he was directly involved in construction projects that included a new municipal office building, expansion of a heliport, new utility installations, and a \$10 million design/build project for improvements to Gilbert and Pecos Roads.

