



Oklahoma Department of Transportation  
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## Implementation of Research for Transportation Excellence

### Office of Research & Implementation

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### Mission

The mission of the Oklahoma Department of Transportation (ODOT) is to provide a safe, economical and effective transportation network for the people, commerce and communities of Oklahoma. This includes providing transportation services for the public that are convenient and environmentally sound.



Figure 1. ODOT/OSU Roadside Vegetation Management Tour held 6 August 2015

### Research Activities

At ODOT, the Office of Research and Implementation (ORI) consists of nine members, including four engineers. ORI personnel facilitate improvements to the state's transportation system by merging the resources of state government and universities to identify, develop, and implement research results as well as new technology.

ORI personnel participate in Transportation Research Board (TRB) activities and serve as members of the Research Advisory Committee (RAC) under the American Association of State Highway & Transportation Officials (AASHTO). ORI personnel coordinate with ODOT's Subject Matter Experts to establish research needs.

### Research Steering Committee

The ODOT Research Steering Committee (RSC) meets annually to recommend to ODOT Senior Staff:

- prioritized current research needs
- options for sources of funding

Oklahoma's State Planning & Research Work Program Part 2 (SP&R- 2) provides most of the funding for the ORI. Contracts specify the dispersion of funds for research partners.

## Programs

ODOT leads and participates in studies through the Transportation Pooled Fund Program and various research programs.

ORI personnel manage the SP&R – 2 program for improving transportation Research and Implementation services, to include:

- conducting in-house research
- managing research contracts
- collaborating on implementation
- evaluating new products
- performing field investigations
- providing technology transfer

A recent example of technology transfer is the PavéVision 3D Ultra Laser Imaging Vehicle, outfitted by Dr. Kelvin Wang with some of the best pavement imaging equipment available.

## Goals

Throughout the year, ORI personnel track the progress of each research and implementation project.

Research efforts include the research report, designed to meet the following goals:

- discuss implementation
- inform the reader of new and experimental technology
- outline cost information
- present research results

The ORI coordinates research efforts through the University Transportation Centers located at Oklahoma State University and The University of Oklahoma.

Each year, Oklahoma Transportation Research Day (OTRD) attracts a large audience, including staff members from ODOT.



Figure 2. PavéVision 3D Ultra Laser Imaging Vehicle



Figure 3. The Oklahoma Transportation Library is located at The University of Oklahoma's Campus, in Norman, Oklahoma



Figure 4. During OTRD, university students present their research October 2015 at the Moore Norman Technology Center

To contact Oklahoma Transportation Library, go to: <http://wtkn.org/library/oklahoma-transportation-library/>

For more information concerning ODOT's Office of Research & Implementation, go to

[https://www.ok.gov/odot/Programs\\_and\\_Projects/Research\\_and\\_Implementation/index.html](https://www.ok.gov/odot/Programs_and_Projects/Research_and_Implementation/index.html)

To see State DOT Research Unit Fact Sheets for other states, go to

<http://sp.research.transportation.org/Pages/StateDOTResearchUnitFactSheets.aspx>