

The **Transportation Engineering and Road Research Alliance**, or **TERRA**, brings together government, industry, and academia in a dynamic partnership to advance innovations in road engineering and construction, including issues related to cold climates. TERRA's research program is built on the principle of collaboration to meet research needs, and focuses on transforming the MnROAD facility from a Minnesota resource to a regional, national, and international research center. TERRA's partnering efforts reach beyond Minnesota to include transportation organizations in other states and in Europe.

Mission

TERRA's mission is to develop, sustain, and communicate a comprehensive program of research on pavement, materials, and related transportation engineering challenges, including issues related to cold climates.

Strategic Directions

Expand productive partnerships by attracting funding and leveraging the unique research capabilities of the MnROAD facility. TERRA is open to partnerships to carry out research under the federal SHRP II program, as well as other research initiatives.

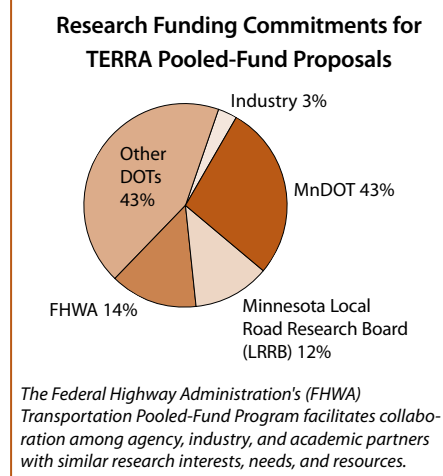
Support effective research in transportation engineering and road construction by developing short-term and long-term research plans, providing direction on improving the MnROAD facility, and fostering research partnerships that produce innovative results.

Communicate about research activities by providing up-to-date information about ongoing research, and marketing research results to a variety of audiences worldwide. TERRA works to engage stakeholders in a dialogue on road research and implementation activities, and actively solicits input on future research needs.

Initiatives and Accomplishments

The **TERRA Web site** contains descriptions of TERRA-initiated research projects and links to a wide range of research activities carried out by member and partner organizations. It also provides detailed information about partnering with TERRA.

TERRA E-News, a quarterly electronic newsletter, shares information about research, activities, and events with the members of TERRA and others interested in transportation research.



The **TERRA Innovation Series** communicates TERRA activities, innovations, and products through knowledge transfer, exchange, and demonstration. These transportation engineering and road research events have a technical focus and address research results, trends that affect or improve productivity, innovative partnering and contracting models, and hot topics that may lead to new research related to TERRA priorities.

TERRA has an annual process for **collecting project ideas** from partners and friends to help provide a comprehensive program for research on pavement, materials, and related transportation engineering challenges.

MnROAD Lessons Learned, one of the first TERRA-initiated research projects, highlights many of the contributions of the 14-year-old Minnesota Road Research Facility (MnROAD) to the understanding of pavement design and performance. The project report (914 KB PDF) is available for download on the TERRA Projects page of the TERRA Web site.

TERRA Board Members

Industry

Aggregate and Ready Mix Association of Minnesota

Fred Corrigan, Executive Director

American Concrete Pavement Association

Gerald Voigt, President and CEO

American Traffic Safety Services Association–Northland Chapter

Emily Fischer, Owner, Etranstech, LLC

Associated General Contractors of Minnesota

Tim Worke, Director, Transportation and Highway Division

Braun Intertec

Matthew Oman, Senior Engineer

Caterpillar

Dean Potts, Engineering Manager

Concrete Paving Association of Minnesota

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Road Science, A Division of ArrMaz Custom Chemicals

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United States Federal Highway Administration

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Bob Orthmeyer, Senior Pavement Engineer

Derrell Turner, Minnesota Division Administrator

State and Local Transportation Agencies

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Mark J. Dunn, Operations Research Engineer, Research and Technology Bureau

Michigan Department of Transportation

André Clover, Research Program Manager, Bureau of Field Services

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Minnesota Department of Transportation

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Keith Shannon, Director, Office of Materials

Julie Skallman, Director, State Aid Division

Nick Thompson, Director, Policy, Safety, and Strategic Initiatives Division

Minnesota Local Road Research Board

Mark Maloney, Director of Public Works, City of Shoreview

Mike Sheehan, County Highway Engineer, Olmsted County

New York State Department of Transportation

Gary Frederick, Director, Transportation Research and Development

North Dakota Department of Transportation

Tom Bold, Pavement Design and Research Supervisor

Ron Horner, Materials and Research Engineer

Wisconsin Department of Transportation

Steven Krebs, Chief Materials Management Engineer, Materials Management Section

Rory Rhinesmith (TERRA Co-chair), Director of Regional Operations, Division of Transportation System Development

How to Participate

There are three ways your organization can work with TERRA to advance road research:

1. Join TERRA by making a commitment of resources over a sustained period of time. With membership on the TERRA Board, an organization will have the opportunity to define research needs of members, choose high-priority potential projects, solicit research funds and project funding partners, participate in planning the reconstruction of the Mn/ROAD test facility, and sponsor marketing, communications, and outreach activities for member organizations on research results and implementation.

2. Partner with TERRA as a participant in specific research projects. As TERRA grows, the board is seeking to bring together stakeholders from industry, government, and academia to join in projects initiated by TERRA members.

3. Become a Friend of TERRA and receive periodic updates on TERRA activities, new research opportunities, and research findings.

More Information

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