



ABOUT TTI






The Texas A&M Transportation Institute (TTI) is an agency of the State of Texas and member of The Texas A&M University System. For 75 years, TTI has addressed complex transportation challenges and opportunities with innovation, objectivity and unmatched technical expertise. Our staff delivers excellence, value and thought leadership to ensure our research sponsors achieve their goals.

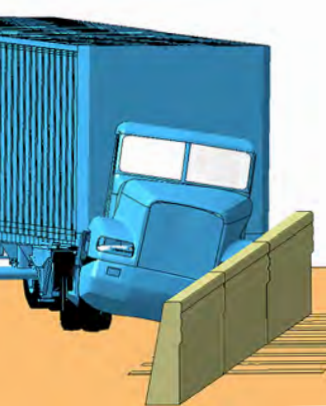
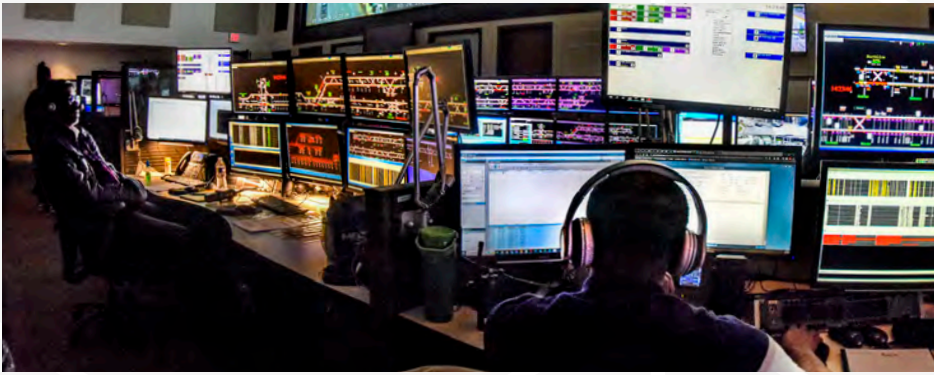
TTI has a breadth and depth of programs, facilities and capabilities unsurpassed by any other higher-education-affiliated transportation research organization in the United States. The Institute's research and development program has resulted in significant breakthroughs across all facets of transportation. The Institute's innovative strategies and products have saved Texas and the United States billions of dollars and thousands of lives.

TTI staff come from more than 38 different countries and are known for their credibility and technical expertise. Many are recognized national and international leaders in their fields. The Institute plays a key role in educating the next generation of transportation professionals. Over 40 TTI researchers hold joint academic appointments at Texas A&M University.

With expertise in engineering, planning, economics, policy, public engagement, landscape architecture, environmental sciences, data sciences, social sciences and more, TTI researchers produce practical, implementable products and strategies. They ensure that our sponsors have the research-based results needed to make informed decisions.

BY THE NUMBERS

			
\$126M	200+	400+	200+
Annual Research Expenditures	Students	Professional Researchers	Public and Private Sponsors
			700+
			Annual Projects



Technology

Driving innovation to transform transportation systems

TTI is at the forefront of transportation technology, advancing tools like artificial intelligence, real-time monitoring systems and smart infrastructure. From developing adaptive traffic signals to deploying logistics-based drone systems, TTI collaborates with public and private partners to make transportation safer, more efficient and more resilient.



Connected and Automated Vehicles (CAV)

Advancing vehicle systems for safe, smarter travel

TTI leads advancements in vehicle-to-everything communication, automated driving systems and deployment strategies that bring these technologies to life. By partnering with automakers, federal agencies and technology providers, TTI ensures CAV solutions prioritize safety, interoperability and scalability across transportation networks.



Mobility

Creating solutions that move people and communities forward

TTI's mobility research spans public transit optimization, freight logistics and congestion management — advancing solutions that expand access, support economic growth and address the evolving needs of communities. By analyzing travel patterns and leveraging emerging technologies, TTI helps shape smarter transportation systems.



our capabilities

solving tomorrow's challenges today



Human Factors

Designing systems with people at the center of safety and access

TTI's human factors research explores decision-making, risk perception and compliance across all road users. These insights help shape policies, technologies and infrastructure that reflect real-world behavior and prioritize safety for everyone on the move.



Energy

Exploring sustainable energy strategies for transportation's future

TTI examines how electric vehicles integrate with existing infrastructure, utility grids and policy frameworks to address challenges around charging access, capacity and implementation. By providing practical, data-driven insights, TTI supports informed decision-making that promotes efficiency and long-term sustainability in the transportation system.



Data Management

Turning complex data into smarter decisions

TTI's expertise spans the full data life cycle — from collection and storage to analysis and visualization — supporting traffic management, infrastructure planning and system performance. By applying advanced analytics and integrating big data sources, TTI helps agencies unlock the full potential of information to shape the future of transportation.

FACILITY HIGHLIGHTS

TTI researchers have access to more than 300 full-scale laboratories and field-testing devices.



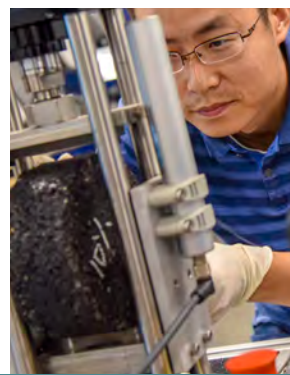
Bridge Performance Test Bed



Proving Grounds Research Facility



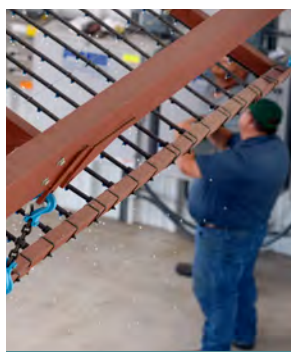
Visibility Research Laboratory



Asphalt Innovation Laboratory



Driving Simulation Laboratory



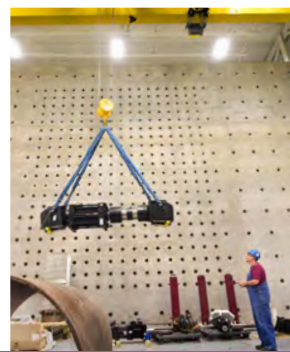
Sediment and Erosion Control Laboratory



Clean Transportation Research Complex



Smart Intersection



Structural Materials Testing Laboratory



Center for Transportation Computational Mechanics

Locations

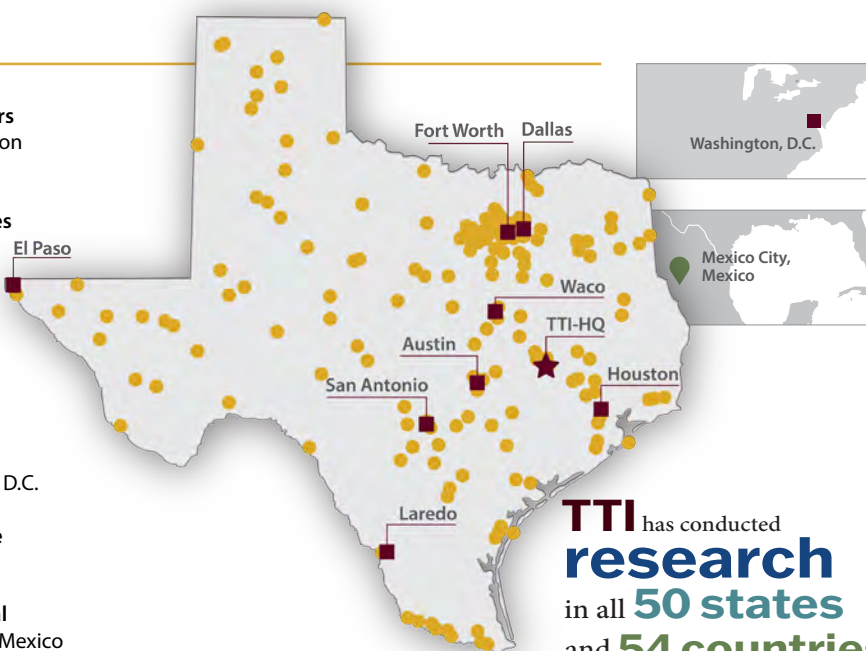
★ **Headquarters**
College Station
Bryan

■ **Urban Offices**
Austin
Dallas
El Paso
Fort Worth
Houston
Laredo
San Antonio
Waco

Washington, D.C.

● **TTI Presence**

📍 **International**
Mexico City, Mexico



TTI has conducted
research
in all **50 states**
and **54 countries**

Contact



tti.tamu.edu

TTI's Mission

TTI delivers practical, innovative and sustainable solutions to improve the movement of people, data and goods through research, education and technology transfer.