

TRANSIT MOBILITY PROGRAM

Description

The Texas A&M Transportation Institute (TTI) Transit Mobility Program provides research and technology transfer expertise in all aspects of public transportation planning, management and operations. Program researchers bring a combination of direct operational skills in all bus and rail modes and nationwide research experience with metropolitan, urban and rural transit systems.

Research projects result in practical, actionable recommendations for enhancing transit access, efficiency, effectiveness, safety and funding sustainability. Transit Mobility Program staff are adept at facilitating multi-agency groups in the development of shared transportation objectives, innovative strategies and coordinated services.

Expertise

- Strategic transit management research
- Multimodal systems research
- Urban and rural transit operations analysis
- Transportation management review
- Best practices and peer research
- Education, training and capacity development
- Performance analysis and benchmarking
- Financial analysis and sustainable funding research
- Livability performance measure research
- Market research, communications and outreach
- Mobility management research
- Accessible transportation service analysis
- Alternative fuel research
- Public-private partnerships in transportation



Selected Sponsors

- Alliance Transportation Group
- Capital Metropolitan Transportation Authority (Capital Metro), Austin, Texas
- Corpus Christi Regional Transportation Authority (RTA), Corpus Christi, Texas
- City of El Paso (Sun Metro), El Paso, Texas
- Federal Transit Administration (FTA)
- Fort Bend County, Texas
- Fort Worth Transportation Authority (The T), Fort Worth, Texas
- Gibson Consulting Group, Inc.
- HDR, Inc.
- Kittleson & Associates, Inc.
- Metropolitan Transit Authority of Harris County, TX (Houston METRO)
- National Highway Cooperative Research Program (NCHRP)
- National Transit Institute/National Highway Institute (NTI/NHI)
- Public Transit Services, Inc. (PTS)
- Regional Public Transportation Authority (RPTA), Phoenix, Arizona
- Sacramento Regional Transit System (RTS), Sacramento, California
- Transit Cooperative Research Program (TCRP)
- Texas Department of Transportation (TxDOT)
- University Transportation Center for Mobility (UTCM)





Selected Projects

- FTA, Rural Transit Livability Performance Measures, 2011-2012.
- TCRP, Transit Capacity and Quality of Service Manual, 3rd Edition, with Kittelson & Associates, Inc., 2011-2012.
- TxDOT, Performance Measures for Public Transit Mobility Management, 2011.
- NCHRP, State Departments of Transportation Rural and Specialized Transit Data Reporting for American Association of State Highway and Transportation Officials (AASHTO) Standing Committee on Public Transportation, 2011.
- Bridgeport Connecticut Board of Education, Safe and Efficient Student Transportation, with Gibson Consulting Group Inc., 2011.
- UTCM, Impacts of Funding and Allocation Changes on Rural Transit in Texas, 2011.
- NTI/NHI Course 152069, Introduction to Metropolitan Transportation Planning, Current.
- NTI/NHI Course 151038, Introduction to Statewide Transportation Planning, Current.
- Capital Metro (Austin) Service Expansion Policy: A Methodology for Calculating Cost by Type of Service, 2010.
- Sacramento (RTS) Onboard Survey Methodology and Findings, with HDR, Inc., 2010.
- TCRP Report 141, Methodology for Performance Measurement and Peer Comparisons, with Kittelson & Associates, Inc., 2010.
- TxDOT, Estimated Impact of the 2010 Census on the Texas Funding Formula for Public Transportation, 2010.
- TxDOT, Filling the Transit Gaps: Unserved Urbanized Area Populations, 2010.
- TxDOT, Peer Grouping and Performance Measurement to Improve Rural and Small Urban Transit in Texas, 2010.
- Houston-Galveston Area Council, Commute Solutions: An Evaluation of Selected Elements, 2010.
- UTCM, Nationwide Examples of State and Local Funds for Mass Transit, presented to the Texas Senate Committee on Transportation and Homeland Security, 2008.
- Regional Public Transportation Authority (Phoenix), Efficiency and Effectiveness Study, 2007.

About TTI

The Texas A&M Transportation Institute, established in 1950, seeks solutions to the problems and challenges facing all modes of transportation. The Institute works on over 700 research projects with over 200 sponsors in the United States and abroad at all levels of government and in the private sector. TTI is recognized as one of the finest higher-education-affiliated transportation research agencies in the nation. TTI has saved the state and nation billions of dollars through strategies and products developed through its research program. TTI research has a proven impact—resulting in lives, time and resources saved.

TTI's Mission

To solve transportation problems through research, to transfer technology and to develop diverse human resources to meet the transportation challenges of tomorrow.

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