

Transit Impacts Research Program

Research at a Glance

A research program developed through collaboration between Twin Cities public agencies and the University of Minnesota

The Transit Impacts Research Program studies the contributions of transit to mobility, economic development and job access, equity and opportunity, public well-being and safety, and sustainability. The program aims to provide information to optimize transportation investments, regional connectivity, and system effectiveness.

Project Title	End Date	Principal Investigator
Active Research		
Strategies for Promoting Rider Connections to Suburban Transitways Stations		Jason Cao
Value of Dedicated Right-of-Way: Transit Service Reliability and User Impacts		Ying Song
Completed Research		
Transfer Behavior and Off-Peak Commutes	2024	Alireza Khani
The Values of Dedicated Right of Way to Transit Ridership and Carbon Emissions	2024	Jason Cao
Assessing the Effects of Highway Improvements on Adjacent Businesses	2023	Yingling Fan
Transitway Development and Commercial Gentrification	2022	Yingling Fan
Addressing Accessibility and Equity Along Transitways: Toward a Mixed Methods Toolkit	2021	Tom Fisher
Impact of Transitways on Travel on Parallel and Adjacent Roads and Park-and-Ride Facilities	2021	Alireza Khani
Value of Transitways to Regional Economies: National and Twin Cities Perspectives	2019	Yingling Fan
Multimodal Connections with Transitways: Ridership, Access Mode and Route Choice Implications	2019	Yingling Fan
After Study of the Bus Rapid Transit 'A Line' Impacts	2019	Alireza Khani
Those Who Need It Most: Maximizing Transit Accessibility and Removing Barriers to Employment in Racially Concentrated Areas of Poverty	2017	Yingling Fan
Exploring Walking Tolerance of Transitway Users	2017	Jason Cao
Specific Strategies for Achieving Transit-Oriented Economic Development: Applying National Lessons to the Twin Cities	2017	Yingling Fan
Transit Station and Stop Design and Travel Time Perceptions	2016	Yingling Fan
Exploring Strategies for Promoting Modal Shifts to Transitways	2015	Jason Cao
The Effects of Transitways on Auto Ownership and Auto Use: Evidence from the Hiawatha LRT	2015	Jason Cao
Economic Development Impacts of Bus Rapid Transit	2015	Andrew Guthrie
Evaluating Twin Cities Transitways Performance and their Interaction with Traffic on Neighboring Major Roads	2017	John Hourdos
Transportation Impact of Transitways: A Case Study of Hiawatha Light Rail Transit in Minneapolis	2013	Jason Cao
Assessing Neighborhood and Social Influences of Transit Corridors	2011	Yingling Fan
Impacts of the Hiawatha Light Rail Line on Commercial and Industrial Property Values in Minneapolis	2010	Jason Cao
The Hiawatha Line: Impacts on Land Use and Residential Housing Value	2010	Edward Goetz
Impact of Twin Cities Transitways on Regional Labor Market Accessibility: A Transportation Equity Perspective	2010	Yingling Fan
Understanding the Impacts of Transitways: Demographic and Behavioral Differences between Hiawatha Light-Rail and Other Transit Riders)	2009	Jason Cao

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