



Transitway Impacts Research Program

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

The Transitway Impacts Research Program (TIRP) was launched in 2006 by the Hennepin–University Partnership to answer questions about the economic, travel, and community impacts of transitway corridors in the Twin Cities metropolitan area. TIRP has grown to include a mix of state, regional, and local jurisdictional partners.

The program creates knowledge and information needed to improve planning and decision making for transitway expansion. It also helps educate legislators, agency leaders and staff, and the university research community about current issues, innovations, and trends pertaining to transitways. In addition, the program serves as a national model of interjurisdictional collaboration between government and academia for transitway research, education, and outreach.

TIRP has funded a diverse body of research, including extensive modeling, data analysis, and numerous surveys of residents, transit riders, and business owners both within transit corridors and from the broader region. (Completed and active and projects are listed on back.) The research is unique in its breadth, scope, and ability to provide real-time analysis of the changes experienced when a region introduces high-quality transit service.

TIRP is designed to provide an objective analysis of the impacts resulting from the region's transitway investments. The collaborative approach and support of local jurisdictions ensures that research is relevant and responds to local needs. The program also provides consistent, objective, and credible data to share with the public.

Funding partners and program supporters: Anoka County, Center for Transportation Studies, Center for Urban and Regional Affairs, City of Bloomington, City of Minneapolis, City of Saint Paul, Dakota County, Federal Transit Administration, Hennepin County, Hennepin–University Partnership, Humphrey School of Public Affairs State and Local Policy Program, Metropolitan Council, Metro Transit, Minnesota Department of Transportation, Ramsey County, University Metropolitan Consortium, Washington County



Impacts of Transitways						
Project Title	Principal Investigator	Economic Development	Land Use and Value	Travel Behavior	Opportunity and Equity	Neighborhoods
Active Research						
Value of Transitways to Regional Economies: National and Twin Cities Perspectives	Yingling Fan	x				
After Study of the Bus Rapid Transit 'A Line' Impacts	Alireza Khani			x		
Multimodal Connections with Transitways: Ridership, Access Mode and Route Choice Implications	Yingling Fan			x		x
Those Who Need It Most: Maximizing Transit Accessibility and Removing Barriers to Employment in Racially Concentrated Areas of Poverty	Yingling Fan			x	x	x
Completed Research						
Exploring Walking Tolerance of Transitway Users	Jason Cao		x	x		x
Specific Strategies for Achieving Transit-Oriented Economic Development: Applying National Lessons to the Twin Cities (2017)	Yingling Fan	x	x			
Transit Station and Stop Design and Travel Time Perceptions (2016)	Yingling Fan			x	x	
Exploring Strategies for Promoting Modal Shifts to Transitways (2015)	Jason Cao			x		
The Effects of Transitways on Auto Ownership and Auto Use: Evidence from the Hiawatha LRT (2015)	Jason Cao			x		
Economic Development Impacts of Bus Rapid Transit (2015)	Andrew Guthrie	x	x			
Evaluating Twin Cities Transitways Performance and their Interaction with Traffic on Neighboring Major Roads (2015)	John Hourdos			x		
Transportation Impact of Transitways: A Case Study of Hiawatha Light Rail Transit in Minneapolis (2013)	Jason Cao		x	x		
Assessing Neighborhood and Social Influences of Transit Corridors (2011)	Yingling Fan		x		x	x
Impacts of the Hiawatha Light Rail Line on Commercial and Industrial Property Values in Minneapolis (2010)	Jason Cao	x	x			
The Hiawatha Line: Impacts on Land Use and Residential Housing Value (2010)	Edward Goetz	x	x			x
Impact of Twin Cities Transitways on Regional Labor Market Accessibility: A Transportation Equity Perspective (2010)	Yingling Fan	x		x	x	
Understanding the Impacts of Transitways: Demographic and Behavioral Differences between Hiawatha Light-Rail and Other Transit Riders (2009)	Jason Cao			x	x	

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