



UTC Project Information – Cooperative Mobility for Competitive Megaregions (CM²)

Project Title	An Alternative Approach to Analyzing Demand Potential for Travel by High Speed Rail in the Texas Triangle
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Funding Source(s) and Amounts Provided (by each agency or organization)	U.S. Department of Transportation: \$81,971.10 University of Texas Austin: \$3,668
Total Project Cost	\$85,639.10
Agency ID or Contract Number	UTDOT Grant number: 69A3551747135
Start and End Dates	9/1/2018 – 12/31/2019
Brief Description of Research Project	Existing studies on high-speed rail (HSR) demand analysis in the United States mostly rely on the conventional procedure of four-step travel demand modeling with data assembled from constituent MPOs along the proposed HSR routes. The proposed project explores an alternative approach to analyzing aggregate mobility demand for high-speed travel in the Texas Triangle megaregion, simulating shares of HSR modes under different transportation policy assumptions, and drawing implications for long term strategic infrastructure investments in the Texas Triangle.
Describe Implementation of Research Outcomes (or why not implemented)	A paper titled “How does city-cluster high-speed rail facilitate regional integration? Evidence from the Shanghai-Nanjing corridor” was published in Cities, Volume 85.
Impacts/Benefits of Implementation (actual, not anticipated)	The findings from the paper have implications for regional planning policies on C-HSR station set up and operation schemes and land use.
Web Links (to reports, project website, etc.)	https://www.sciencedirect.com/science/article/pii/S0264275118305158