

## Relevant Publications

There has been substantial research completed regarding the merits of LRT compared to bus express service (BRT). Relevant publications are listed below with some of the key themes being:

- Key to generating redevelopment is the pedestrian-oriented design of the rapid transit stations and integration with the surrounding community (publications 1-4). Some research shows that the rapid transit mode may be less important than the quality of station design (publications 1-3).
- The perception of permanence and prestige associated with LRT often draws more dense development and more riders compared to BRT (publications 5-10).
- The more that BRT can approach features of rail in its design, such as attractive stations and fixed, permanent-seeming infrastructure, the more it will succeed in providing an attractive development climate (publications 7,8,10,13,14).
- Positive land value impacts near transit are more likely to be seen in commercial property than residential, and in condos more than in single family homes (publications 4,11).
- Redevelopment is not guaranteed by rapid transit investment. The market and good economic conditions must be in place (publications 6,12). Traffic congestion must also exist to increase land value near transit stations (publications 12).

### Publications:

1. Arthur C. Nelson, Bruce Appleyard, Shyam Kannan, Reid Ewing, Matt Miller, Dejan Eskic (2013), "Bus Rapid Transit and Economic Development: Case Study of the Eugene-Springfield BRT System," *Journal of Public Transportation*, Vol. 16, No. 3, pp. 39-57; at [www.nctr.usf.edu/wpcontent/uploads/2013/10/JPT\\_16.3.pdf](http://www.nctr.usf.edu/wpcontent/uploads/2013/10/JPT_16.3.pdf).
2. Breakthrough Technologies Institute. *Bus Rapid Transit and Transit Oriented Development: Case Studies on Transit Oriented Development Around Bus Rapid Transit Systems in North America and Australia*, 2008.
3. *Land development impacts of BRT in a sample of stops in Quito and Bogotá*, Daniel A. Rodriguez, Erik Vergel-Tovar, William F. Camargo, 2015
4. Saxe, S., Miller, E.J. 2016. *Transit and Land Value Uplift: An Introduction*. iCity: Urban Informatics for Sustainable Metropolitan Growth. Report #16-02-04-02. <http://uttri.utoronto.ca/files/2017/10/16-02-04-02-Transit-and-Land-Value-Uplift-A-n-Introduction.pdf>
5. California Department of Transportation. 2002. *Statewide transit-oriented development study—Factors for success in California*. Final Report. Business, Transportation and Housing Agency.

6. Cervero, R., S. Murphy, C. Ferrell, N. Goguts, T. Yu-Hsin, G. B. Arrington, J. Boroski, J. Smith-Heimer, R. Golem, P. Peninger, E. Nakajima, R. Chui, R. Dunphy, M. Myrres, S. McKay, and N. Witenstein. 2004. Transit-oriented development in the United States: Experiences, challenges and prospects. TCRP Report 102. Transportation Research Board.
7. Dittmar, H., and G. Ohland. 2004. Defining transit-oriented development: The new regional building block. In Dittmar, H. and G. Ohland, eds., *The New Transit Town: Best Practices in Transit Oriented Development*. Island Press.
8. Kittelson & Associates, Inc., Herbert S. Levinson Transportation Consultants, and DMJM+Harris. *Bus Rapid Transit Practitioner's Guide*, TCRP A-23A, Transportation Research Board, 2006.
9. *Transportation and Real Estate: Making the Connections*. National Association of Realtors, 2011
10. *Urban Transit: Operations, Planning & Economics*, Vukan R. Vuchic, February 2005.
11. Shima Hamidi, Katherine Kittrell and Reid Ewing (2017), "Value of Transit as Reflected in U.S. Single-Family Home Premiums; A Meta-Analysis," Transportation Research Record 2543, Transportation Research Board ([www.trb.org](http://www.trb.org)); DOI: <http://dx.doi.org/10.3141/2543-12>.
12. J. Landis, S. Guathakurta, and M. Zhang, *Capitalization of Transportation Investments into Single-Family Home Prices*, Working Paper 619 (Berkeley: Institute of Urban and Regional Development, University of California, 1994).
13. Kaplowitz, William. "Bus Rapid Transit: A Powerful Real Estate Development Tool", *Urban and Regional Planning Economic Development Handbook*, December 2005. <http://www.umich.edu/~econdev/brt/index.html>
14. Levinson, Herbert S. et al. *Bus Rapid Transit Volume 1: Case Studies in Rapid Transit*, TCRP Report 90, Transportation Research Board, 2003.