Infrastructure and Transportation
Service Area Overview

cambridge econometrics
clarity from complexity

Cambridge Econometrics delivers practical, innovative, and data-driven insights for optimizing infrastructure investments. We apply our economic analysis toolkit to support strategic planning, corridor studies, and investment opportunities to ensure projects enhance long-term community growth and connectivity. Our work equips decision-makers with the analysis and insights to guide planning and make informed investments that enhance trade, accessibility, and economic vitality in the following areas:

1. **Economic impact analysis**
2. **Benefit-cost analysis**
3. **Transit-oriented development (TOD) market studies and planning**
4. **Freight, trade, and logistics**
5. **Multi-modal grant funding applications**

Experience highlights

Trade, Transportation, and Economic Development for the Appalachian Regional Commission

Cambridge Econometrics collaborated with the Appalachian Regional Commission (ARC) on diverse projects across transportation, trade, and economic development. This partnership included analytical and support services for initiatives like the Network Appalachia advisory group and a pioneering transportation accessibility project with Maryland and North Carolina's departments of transportation (DOT). Cambridge Econometrics updated studies on multimodal freight, international trade, and key freight facilities, offering a comprehensive overview of freight dynamics across Appalachia's expansive region. Building on this groundwork, Cambridge Econometrics launched a project to identify export-oriented industry clusters, focusing on manufacturing, global trade, and supply chains, aiming to boost Appalachia's economic connectivity and development.

Economic Benefits of Complete Street Investments in Massachusetts

Cambridge Econometrics conducted an economic study of complete street investments for the Massachusetts Department of Transportation (MassDOT), working in partnership with Kittelson & Associates. This novel study has researched and selected potential data metrics to measure impacts that are being studied from the Berkshires to the Boston area. Cambridge Econometrics led the analysis of case study areas applying a mix of before-after and comparison areas to help isolate the potential economic effects of projects on retail sales, jobs, businesses, and property values.

Experience highlights continued...

Raleigh, NC S-Line Transit-Oriented Development (TOD) and Rail Corridor Planning

Cambridge Econometrics served as a senior advisor to North Carolina Department of Transportation (NCDOT) on all elements of an 18-month, first-of-its-kind passenger TOD planning project funded by a Federal Transit Administration (FTA) grant. Cambridge Econometrics worked directly with NCDOT staff and consulting partners to guide their work, help shape passenger rail scenarios for TOD analysis, and review all interim and final deliverables for NCDOT. This study identifies the market and funding opportunities to establish TOD districts in a wide range of urban, suburban, and exurban communities. In particular, Cambridge Econometrics supported analysis about station locations, ridership projections, rail service scenarios, and other elements of rail corridor planning. Cambridge Econometrics conducted a follow-up economic development analysis of the gap between TOD visions and market realities.

Economic Impacts of the Massachusetts Central Rail Trail

Cambridge Econometrics worked with Kittelson & Associates to assess the potential impacts of a completed rail trail across the Commonwealth of Massachusetts for the Norwottuck Network. The completed trail would stretch approximately 100 miles and offer recreation and commuting opportunities for thousands of people. Using the RIMS II input-output model for different counties and regions of Massachusetts, Cambridge Econometrics estimated the total economic impact of the trail, including jobs by sector, earnings, value-added, and output for the full corridor. We also segmented the analysis into western, central, and eastern areas of Massachusetts to reflect the differential use patterns.

Transformative TOD: Gateway Cities in Massachusetts

Working collaboratively with MassINC's Gateway Cities Innovation Institute, Cambridge Econometrics was selected to be the project manager of a major research project focused on stimulating transformative TOD in Gateway Cities. CE looked at opportunities to catalyze TOD, including the real estate development conditions, the policies necessary to achieve transformative development, and the positive spillover effects that can have on transit ridership, land use, and efforts to reduce greenhouse gases. A transformative TOD policy tailored to the dynamics of these markets has the potential to stimulate investment and revitalization, yielding economic, environmental, and fiscal benefits.

Driving Progress Together: Connect with us to discover how our expertise in infrastructure and transportation can lay the foundation for your community's growth and connectivity. For more information, contact:

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