Relation to Economic Competitiveness
Inefficient land development has produced negative impact on the environment, economy, and quality of life. NTC@Maryland conducts research to promote sustainable transportation modes, green transportation system improvement, and environmentally-friendly new technologies.

Research Areas:
- Most efficient use of existing infrastructure for meeting travel needs
- Improved transit services
- Car sharing
- Mixed-use land development
- Promoting bicycle friendly land use and biking facilities
- Walkable communities
- Electric and alternative-fuel vehicles
- Car/van-pooling incentives
- Parking management
- Bike sharing
- Transit-oriented development
- High speed rail and reduction of carbon footprint for long-distance trips
- Travel behavior and user adoption of green transportation options
- Regulation and policy analysis

Related Work at NTC@Maryland
No More Freeways:
Urban Land Use-Transportation-Environment Dynamics without Freeway Capacity Expansion

Quantification of System-wide Life Cycle Benefits of Recycled Materials in Highways

Feasibility and Benefit of an Activity-Based Travel Demand Model for Maryland

Integration of Fixed and Flexible-Route Public Transportation Services