

Active and Sustainable Transportation Priorities

ETG Members:

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The Active and Sustainable Transportation ETG group is responsible for reviewing research problem statements pertaining to issues for the Alternative transportation modes, including: Bicycle & Pedestrian, Transit, Freight and Rail; as well as alternative energies and sustainable solutions. Particular areas of interest are as follows:

1. Impact of land use and intermodal connectivity choices on safety and accessibility at the interface of transportation modes, especially impacts on bicycles and pedestrians.
2. Regional passenger rail interconnectivity: Optimizing existing freight railroad infrastructure with new strategic extensions and connections for regional intercity passenger services while retaining freight haulage.
3. Methods for assessing multimodal transportation needs, capacity development, intermodal transfer facilities, resource/supply flow, development of intermodal solutions, and the application of ITS .
4. Development of new technologies and integrated multimodal data warehouses for research and planning use, including new solutions to address gaps in bike/ped data.
5. Developing sustainable transportation methods, including incorporating green technologies, for achieving the Governor's carbon reduction goals; including assessing the impacts of climate change and climate change adaptation strategies on intermodal transportation.
6. Develop multimodal methods for expanding the service life and/or reducing the life cycle cost of infrastructure investments, including improvement of intermodal freight facilities. Also, includes development of more intermodal solutions for congestion management to reduce costs and travel time.
7. Studies of changes in regional supply chain trends for reducing supply/shipping distances, including opportunities and constraints such as: land use constraints for siting shipping facilities, and conditions that facilitate a variety of modal choices.

The AST ETG will consider the following criteria when evaluating problem statements:

- Does the project improve the safety and reliability of the transportation system?
- Does the project provide environmental benefits or reduce negative environmental impacts?
- Does the project improve the life cycle and/or enhance the resiliency of the transportation system for climate change adaption?
- Are there significant barriers to implementing the research outcomes?
- Will the project provide multimodal/intermodal benefits? Will the project benefit active travelers and improve accessibility?