

Active and Sustainable Transportation Expert Task Group (AST)

Member Name	Division/Branch	Title
Josh Roll	PD&A – Research	Research Coordinator
Matthew Barnes	PD&A – Public Transit	Transit Network Program Manager
Jessica Horning	PD&A – Active Transportation	Bike/Ped Program Manager
Heidi Manlove	ODOT – Transportation Safety Division	Bicycle/Pedestrian Safety Program Manager
Jasmine Harris	FHWA	Community Planner
Geoff Crook	PD&A – Active Transportation	Sustainability and Program Coordinator
Adam Argo	PD&A – Planning	Principle Planner
David Porter	OSU	Industrial and Manufacturing Engineering

Research Priorities

This ETG reviews any research problem statements related to alternative transportation modes and sustainability concepts. This ETG may also examine any related structures, programs, or activities statewide. The Active and Sustainable Transportation (AST) ETG 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. The following bullet points are areas of potential research this Expert Task Group (ETG) will pursue and examine for funding.

Active and Sustainable Transportation Topics

- Impact of land use and intermodal connectivity choices on safety and accessibility at the interface of transportation modes, especially impacts on bicycles and pedestrians.
- Regional passenger rail interconnectivity: Optimizing existing freight railroad infrastructure with new strategic extensions and connections for regional intercity passenger services while retaining freight haulage.
- Development of new technologies and integrated multimodal data warehouses for research and planning use, including new solutions to address gaps in bicycle/pedestrian data.
- 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.

- Develop and evaluate methods for estimating travel behavior for walking and biking to better understand the economic, health, and safety impacts of these modes of travel.

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

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