

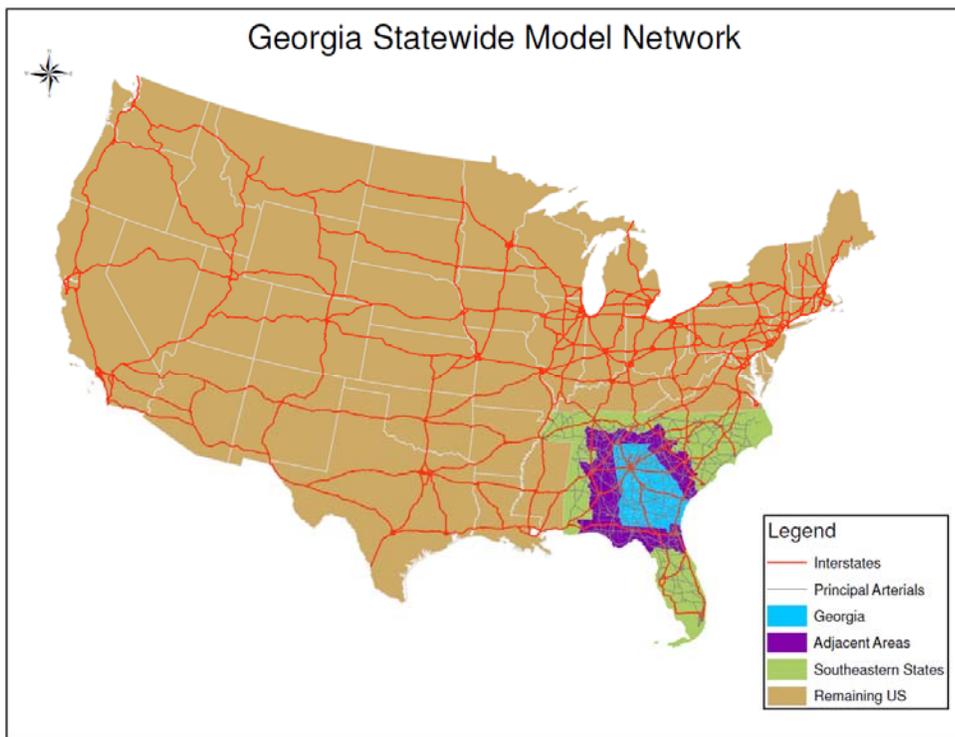


Georgia Statewide Travel Demand Model Fact Sheet



The Georgia Department of Transportation developed a statewide travel demand model to evaluate the impact of major transportation infrastructure and land use investment strategies. The model provides GDOT and its partners the ability to evaluate changes in travel modes and patterns for people and goods, major changes in land use and economic policies, and alternative modes of person travel. The model was designed to evaluate major inter-city travel patterns and assess the impact of large scale corridor improvements such as an interstate widening or construction of new roads. The model may be used to assist Metropolitan Planning Organizations (MPOs) estimation of future external travel demand as well as provide the ability to test various project alternatives. The model may also be used to provide general intercity intermodal freight movements and

evaluate the shift of freight traffic between highway and rail. It can also produce general ridership estimates for inter-city passenger rail services and high speed rail alternatives in Georgia.



The model is not appropriate for some applications. It should not be used to evaluate travel patterns and demand within MPO model areas for any type of mode. The MPO travel demand models should be used for any of this type of

analysis.

The model includes two major components, a freight and passenger model. Each model performs the modeling steps independently except during the traffic assignment where the freight truck and auto passenger/commercial vehicles are combined to reflect total highway conditions. The network for the Statewide Model covers the lower 48 states. This ensures a reasonable understanding of the interstate travel that is critical along the major corridors. This is also particularly important for the evaluation of major freight flows crossing the state line where truck traffic can impact congestion and safety.

The model was recently calibrated and validated for 2010 conditions. It uses the Cube Voyager Application Manager. The model, Model Documentation and User Guide are available for downloading from this website. For more information contact Habte Kassa at 404-631-1797 or hkassa@dot.ga.gov.