

Client: Central Oklahoma Transportation & Parking Authority (COTPA)

Location: Oklahoma City, OK

The primary purpose of this Fixed Guideway Study was to identify future travel corridor needs of Oklahoma City's regional employment, housing, and activity centers. The study evaluated technology options such as Bus Rapid Transit, Light Rail Transit, High Occupancy Vehicle (HOV) Lanes, Modern Streetcar Transit, and other potential transportation solutions. Ultimately, the study recommended a 2030 transit system for the seven-county region encompassing Oklahoma City, as well as staged strategies for successfully implementing the plan.

CTG staff developed operating plans for an enhanced bus system alternative, as well as several system plan alternatives that included various transit technology options. We prepared feeder bus plans, fixed guideway operating plans and cost estimates of the bus systems.

We also were responsible for developing ridership forecasts using the Association of Central Oklahoma Governments' (ACOG) travel demand forecasting model. ACOG was a co-sponsor of the Fixed Guideway Study and our staff worked closely with ACOG modeling staff, making significant enhancements to the model to produce the ridership forecasts. The model enhancements included changes to trip generation and distribution, and also included the development of modules to construct transit networks, pathbuilding, modal choice and assignment.

