

Introduction

Purpose of this Document

The Development and Transportation Trends report is designed to be a one stop look at development activity within the Wichita Area Metropolitan Planning Organization (WAMPO) region and the impact of that activity upon the transportation system within the region.

The data within this report feeds into projections of future growth for the region and the distribution of that growth. These projections are used in developing the regional travel demand model. This model uses travel trends as well as changes in population and employment to determine future demand on the transportation system. The results are used in developing the Metropolitan Transportation Plan. The key data for developing the projections, which are covered in this report are:

- Demographics: update to population estimates, overall residential sales, annexation activity
- Subdivision Activity
- Buildable Vacant Lot Activity
- Building Permit Activity

WAMPO hopes this report can create a better understanding of the ongoing impacts of land use and development activity on transportation and transportation issues within the region.

Area Covered

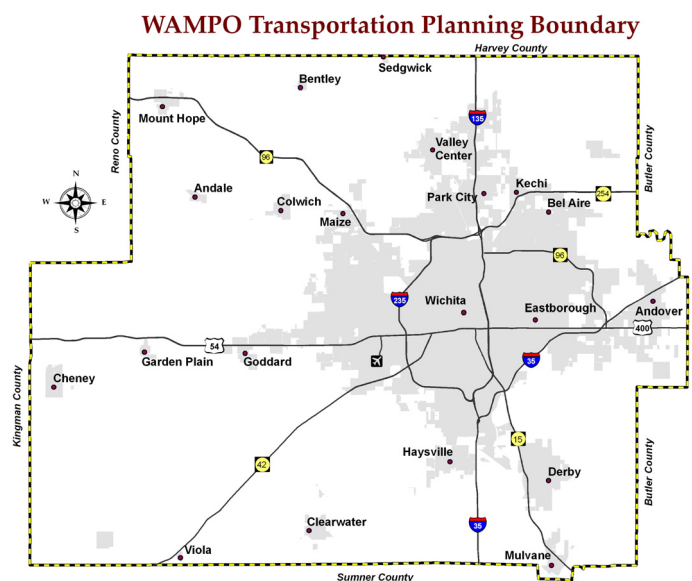
The WAMPO region includes all of Sedgwick County plus the city of Andover and its environs within Butler County and the Sumner County portion of the city of Mulvane and its surrounding area. The region encompasses approximately 1,036 square miles; 1,008 in Sedgwick County, 25 in Butler County, and 2.5 in Sumner County.

The Inter-relationship of Land Use, Development and Transportation

Development activity is a reflection of population growth and economic development resulting in employment. Population and employment have direct impacts on the use of the transportation system. Households generate trips to work as well as trips to patronize businesses. Work places also generate business to business trips in order to distribute goods and services to each other. These trips contribute to increases in demand on the transportation system, which can lead to congestion. The travel demand model attempts to predict where and when this congestion will take place.

This report focuses on the relationship of land use and development to roads, since the primary mode of transportation in the WAMPO region is automobiles. However, land use and development relate to other modes of transportation such as public transit, bicycles, pedestrian, and others. All of these relationships can be evaluated with the information provided.

By putting development activity together with an analysis of its transportation impacts, it is hoped that developers and community leaders will be



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able to better work together to connect housing to jobs, foster local innovation, help to build a clean energy economy, and improve the livability and sustainability of the region.

The data in this document has been compiled and used over many years to develop projections and do analysis for transportation purposes including development of transportation plans such as the (MTP) and the South Area Transportation Study (SATS).

New Sedgwick County Appraiser's data is in the process of being developed and documented, particularly for the analysis of commercial building activity. It may take some time before an in-depth trend analysis of commercial building activity can be completed. This information can help link transportation investments to economic development.

Also, better geographic information system (GIS) data needs to be obtained for the portions of Butler County and Sumner County within the WAMPO region.

In the future, other transportation trend data will be added to this report (such as vehicle miles traveled and commute times). WAMPO will be conducting studies to obtain more geographically precise data for the entire region and compare it to development activity compiled in this report to improve its modeling and analysis abilities and help with the Congestion Management Process (CMP).

Furthermore, federal regulations state that the WAMPO shall validate data utilized in preparing other existing modal plans for providing input to the transportation plan. In updating the long range transportation plan (MTP), WAMPO shall base the update on the latest available estimates and assumptions for population, land use, travel, employment, congestion, and economic activity. The MTP shall, at a minimum, include the projected transportation demand of persons and goods in the metropolitan planning area over the

planning period of the transportation plan, as well as the existing and proposed transportation facilities. This annual report provides the baseline data to achieve these objectives.

As WAMPO's work changes, so will this document. WAMPO has some work items on the horizon that will aid in identifying travel information, such as regional travel trends, travel times, etc. that will likely become part of this report or feed into it. WAMPO also produces a congestion report as part of the CMP that can be integrated into this report. The Household Origin and Destination Study and the Travel Time Study are in progress and are expected to be completed by the end of 2010. Information from these upcoming reports will likely be included in future editions of this report.

As data is compiled and trends are synthesized, this report will provide an outlet to disseminate this travel information. This information, along with the topics already addressed in this report, will hopefully provide the public with a more comprehensive view of the complex interactions between transportation and land use/development. WAMPO will continue to look for ways of improving this report and making it more useful with this focus in mind.