

# Appendix 3.1

## Traffic Growth Rate Analysis



## TRAFFIC GROWTH RATE ANALYSIS

This section presents the methodology used to calculate traffic growth rates used to project existing traffic counts forward to the year 2028 for use in projected traffic conditions analyses in the corridor studies. Due to the large study area, it is recognized that a single traffic growth rate for the entire study area is not appropriate. Certain areas of the City of Auburn are expected to experience higher growth in development, and thus traffic, while other areas are expected to experience lower development growth, and thus lower traffic growth rates.

The methodology used to calculate traffic growth rates was as follows:

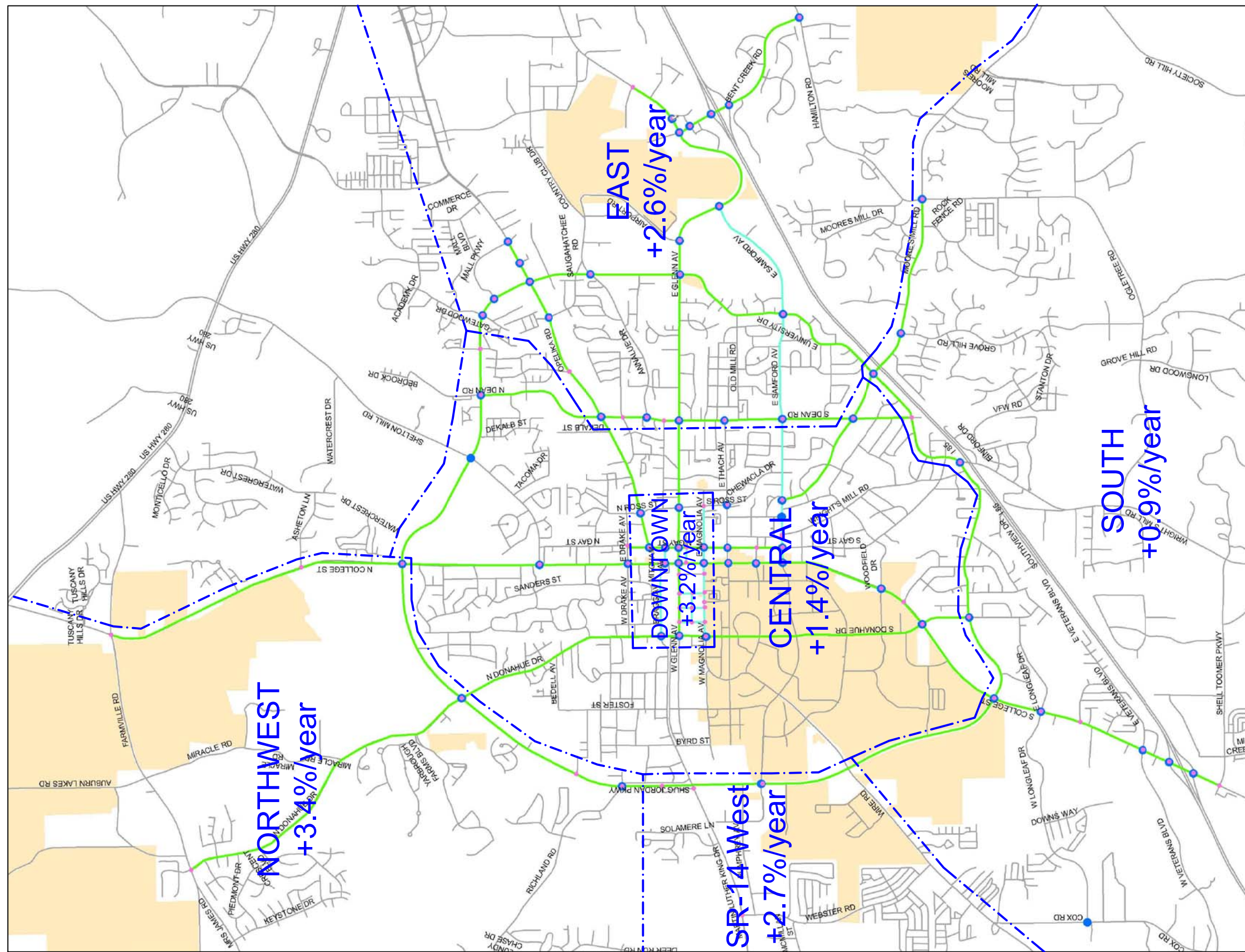
Step 1 – All existing daily traffic counts for the study area from all sources (ALDOT, the City of Auburn, previous studies, and this study) were collected and entered into an Excel worksheet. A total of 65 count stations were identified, with count dates ranging from 2005 to 2018.

Step 2 – Traffic growth rates were calculated for each of the 65 count locations and were plotted on a map.

Step 3 – Patterns of traffic growth were searched for on the map, and regions of similar growth were cordoned on the map.

Step 4 – Within each cordon, an average growth rate for each count location within the cordon was calculated.

The results of the traffic growth rate analysis are depicted in Figure 1.



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**Figure 1**  
Traffic Growth Rates

Auburn Citywide Traffic Study  
Auburn, Alabama