
Growth Rates

Growth rates do not have to be consistent throughout the study area. However, only one forecasting method should be used. The growth rate, methodology and supporting documentation must be submitted and approved by DOTD before advancing.

Forecasting with a Model

- 1) Coordinate with DOTD to determine specific future year builds (normally Existing plus Committed) for your project. Once determined, utilize the appropriate MPO Travel Demand Models.
- 2) Decide and justify what ADT you will be using in the model. Will you be using an average along the corridor? Are there some short segments that may not be representative of the growth rate?
- 3) Determine the growth rate between the two model runs. Clearly show your calculations and which ADTs you used.
- 4) Perform reasonability check on growth rates.
- 5) If growth rates are unreasonable, coordinate with MPO and Traffic Engineering to determine next steps. This will be an iterative process and may take some time.

Forecasting without a Model

When traffic volumes are unavailable to produce a growth rate for a particular highway facility, historical data can be used in lieu of current traffic volumes to calculate/estimate this growth rate.

The data used to perform this task can be found through LA DOTD's Traffic Monitoring Unit, which collects annual average daily traffic (AADT) and other traffic data. Routine traffic counts are performed on state maintained roadways, US Highways, and other consistently high-volume roadways every three (3) years per parish. Occasionally, historical traffic data can contain discrepancies, such as sudden spikes or unexpected dips, in traffic trends. In these events, the year(s) that contain discrepancies may be excluded from calculation. Depending on available data and the study area's characteristics, the area can even be broken into sections to identify trends in different areas. In all cases, research should be conducted and a justification for exclusions or trends documented and submitted with the growth rate documentation.

To use historical data as a forecasting method, a quick example has been provided in the following pages to illustrate the steps necessary to arrive at a growth rate.

