

Daily V/C Maps

Background

- The Daily V/C maps show the current and forecasted congestion on specific road segments based on daily estimates.
- "V/C" means the traffic volume divided by the traffic capacity of the road segment. For example, a volume of 9,000 vehicles on a road that is capable of carrying 10,000 vehicles will produce a V/C of 0.9.
- A V/C of 1.0 is equal to a Level of Service (LOS) of "E", which can be described as:

Limit of acceptable delay, unstable flow, poor signal progression, traffic near roadway capacity, frequent cycle failures.
- The width of the line showing the roadway also indicates the relative traffic volume on that roadway.

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Results

- 2005 -- Congestion is most evident in the RTP area, on NC 54 and US 15-501 between Durham and Chapel Hill, and arterials near Duke University and UNC-Chapel Hill.
- 2035 Baseline -- Already congested corridors become worse and expand, and several additional corridors become congested, including the NC 147, US 70, I-85 and Duke St. in Durham, and the By-Pass and NC 86 in Chapel Hill.
- 2035 LRTP – New transportation facilities effectively address congestion except in the downtown and Duke St./Roxboro St. corridors in Durham and some Chapel Hill gateways such as NC 86 and US 15-501.