

# One-Hour Peak V/C Maps

## Background

- One-Hour V/C maps show the current and forecasted congestion on specific road segments based on the afternoon peak hour.
- The pattern of congestion change from 2005 to 2035 Baseline to 2035 LRTP for the One-Hour maps is generally the same as for the Daily maps.
- One-Hour V/C show more congestion because travel demand (i.e., volume) is highest during afternoon peak.
- One-Hour V/C maps more “sensitive” – congestion raises V/C ratio to level where we have more levels (colors).

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## Results

- 2005 -- Congestion is most evident in the RTP area, on NC 54, US 15-501 and Erwin Rd. between Durham and Chapel Hill, and arterials near Duke University and UNC-Chapel Hill.
- 2035 Baseline -- Congested corridors become almost universal except for I-40 and parts of I-85 in Orange County, and the US-15-501 bypass between I-85 and the South Square area.
- 2035 LRTP – 2035 LRTP facilities effectively address congestion except in the downtown, Duke University and Duke St./Roxboro St. corridors in Durham and some Chapel Hill gateways such as NC 86, Columbia St., and US 15-501