

Travel Isochrones

Background

- Little more specific than Evaluation Measures – can start to see corridor mobility.
- Based on afternoon commute from eight selected centers:
 - Downtown Durham
 - Duke University
 - RTP
 - RDU Airport
 - Chapel Hill Carrboro
 - Hillsborough
 - Pittsboro
 - SouthPoint Mall
- Map illustrates “contours” for 15-, 30-, 45-minute, etc. commutes from the centers.
- Three maps for each center:
 - 2005
 - 2005 Baseline (2035 SE Data using 2005 network)
 - 2035 LRTP (2035 SE Data using 2030 LRTP network)

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Results

- 2005
 - Contours extend further out along interstates and highways, thus commute is faster in these corridors.
- 2035 Baseline
 - Contours significantly narrow in every direction, thus all commutes take more time.
 - Contours dramatically narrow in Wake County, or to the east and south.
- 2035 LRTP
 - Contours much wider than 2035 Baseline, thus LRTP network greatly improves commute time.
 - Contours remain a little narrower than 2005, thus LRTP projects don't return commute times to 2005 level.
 - Contours continue to be narrower in Wake County, or to the east and south, indicating continued congestion.