

## 2045 MTP – Deficiency Analysis – Travel Time

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These tables show the AM and PM peak hour travel time in minutes between key destinations of the DCHC MPO planning area. The comparison is between the year 2013 and the 2045 E+C, which is basically the 2045 population and employment using the current transportation network (sometimes called the No Build).

Note that there is a “from” and “to” travel time for each destination pairs and that those times can vary quite a bit. For example, the 2045 E+C PM peak hour travel is 66 minutes from Durham to Raleigh, but only 55 minutes from Raleigh to Durham. This shows a directional difference in congestion during the peak hour.

See the next two pages for the tables.

# AM Peak Hour

## 2013 AM Peak Hr Travel time

		To					
		Durham	RTP	Raleigh	Chapel Hill	Hillsborough	Pittsboro
<u>From</u>	Durham DT		10	35	25	17	38
	RTP	10		26	23	25	32
	Raleigh DT	34	26		45	49	43
	Chapel Hill	26	23	44		20	25
	Hillsborough	18	25	50	21		42
	Pittsboro	39	33	47	28	42	

## 2045 E+C AM Peak Hr Travel time

		To					
		Durham	RTP	Raleigh	Chapel Hill	Hillsborough	Pittsboro
<u>From</u>	Durham DT		14	50	45	22	47
	RTP	14		37	46	32	37
	Raleigh DT	62	51		90	81	55
	Chapel Hill	36	34	65		24	27
	Hillsborough	28	38	73	36		43
	Pittsboro	61	51	67	43	46	

### Compare 2013 and 2045 E+C: AM Peak Travel time (percent increase)

		To					
		Durham	RTP	Raleigh	Chapel Hill	Hillsborough	Pittsboro
<u>From</u>	Durham DT		43%	45%	77%	34%	23%
	RTP	39%		43%	98%	31%	17%
	Raleigh DT	82%	96%		100%	65%	27%
	Chapel Hill	40%	50%	46%		21%	10%
	Hillsborough	56%	47%	46%	71%		3%
	Pittsboro	54%	57%	43%	57%	10%	

Notes: **Hotter** color depicts a larger increase in travel time.

The number display has been rounded to the nearest minute but the calculations use the decimal number so the percentages might appear slightly off.

# PM Peak Hour

## 2013 PM Peak Hr Travel time

		To					
		Durham	RTP	Raleigh	Chapel Hill	Hillsborough	Pittsboro
<u>From</u>	Durham DT		10	35	28	18	39
	RTP	10		26	25	26	32
	Raleigh DT	34	25		46	50	46
	Chapel Hill	27	25	46		23	28
	Hillsborough	18	25	50	20		42
	Pittsboro	39	32	44	26	42	

## 2045 E+C PM Peak Hr Travel time

		To					
		Durham	RTP	Raleigh	Chapel Hill	Hillsborough	Pittsboro
<u>From</u>	Durham DT		15	66	45	31	63
	RTP	15		52	44	43	52
	Raleigh DT	55	41		81	82	72
	Chapel Hill	54	51	98		43	47
	Hillsborough	26	35	86	28		47
	Pittsboro	51	39	61	29	44	

## Compare 2013 and 2045 E+C: PM Peak Travel time (percent increase)

		To					
		Durham	RTP	Raleigh	Chapel Hill	Hillsborough	Pittsboro
<u>From</u>	Durham DT		42%	87%	61%	72%	61%
	RTP	52%		100%	78%	64%	61%
	Raleigh DT	62%	61%		75%	64%	56%
	Chapel Hill	98%	107%	112%		83%	66%
	Hillsborough	48%	40%	72%	38%		13%
	Pittsboro	31%	22%	38%	14%	5%	

Notes: **Hotter** color depicts a larger increase in travel time.

The number display has been rounded to the nearest minute but the calculations use the decimal number so the percentages might appear slightly off.