

**Vehicle Congestion
Forecast - 2015
Existing Only Scenario**

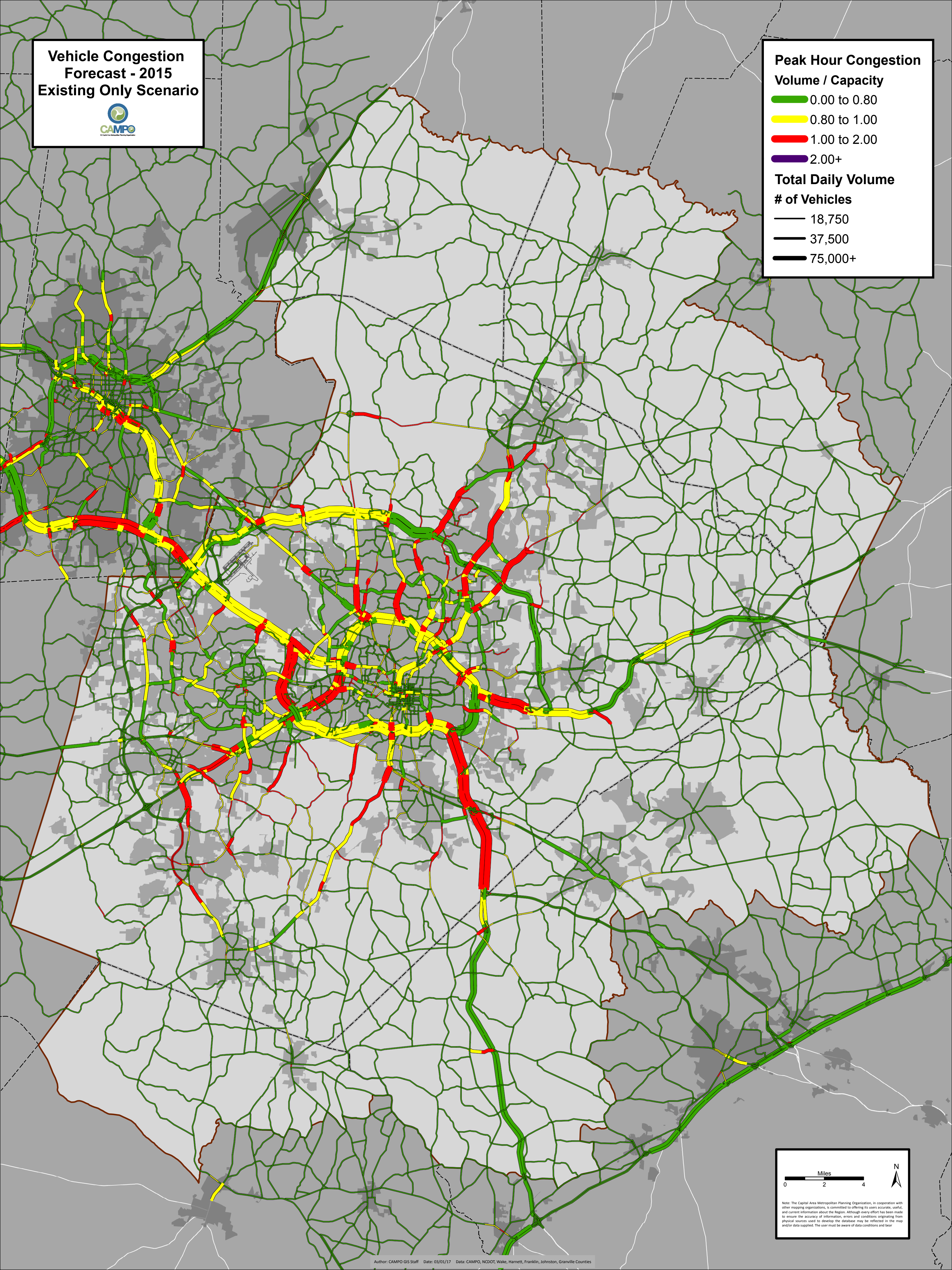


**Peak Hour Congestion
Volume / Capacity**

- 0.00 to 0.80
- 0.80 to 1.00
- 1.00 to 2.00
- 2.00+

**Total Daily Volume
of Vehicles**

- 18,750
- 37,500
- 75,000+

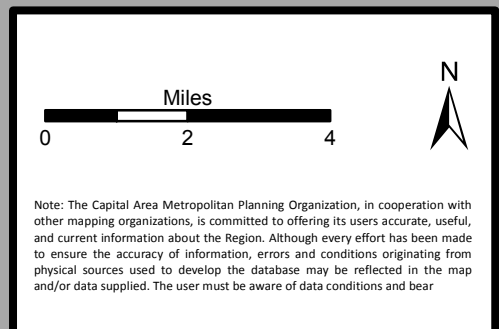
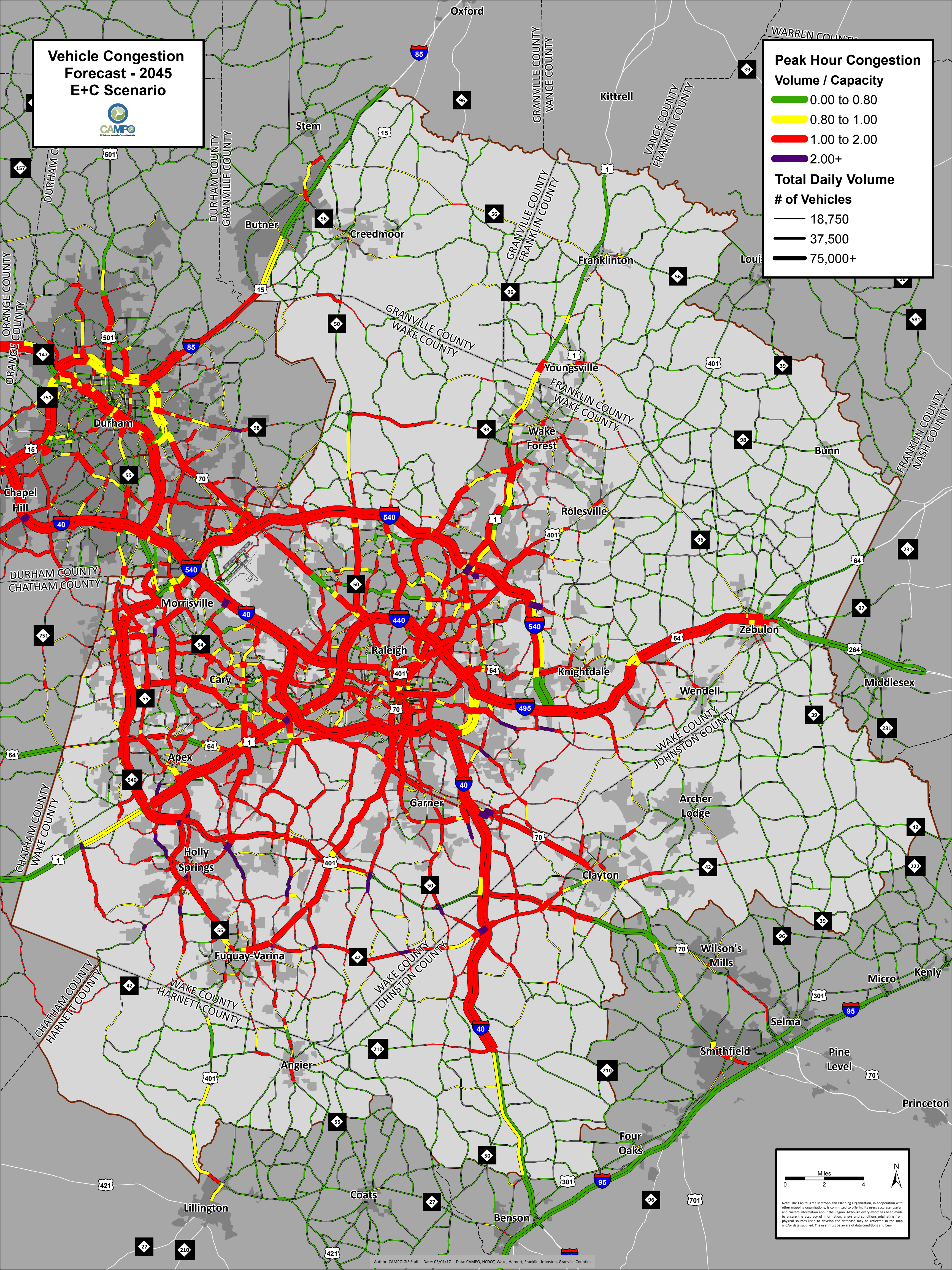
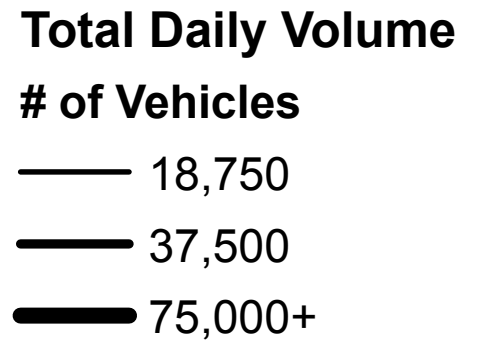
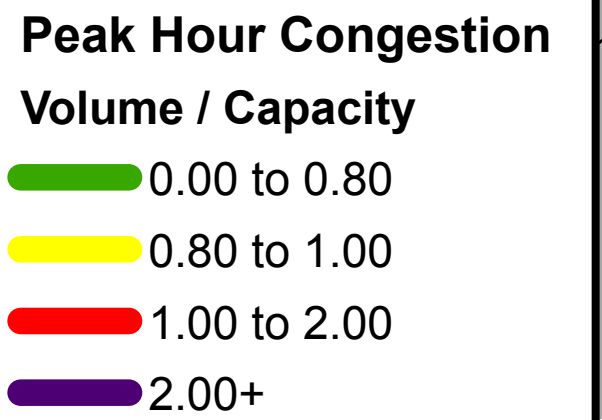


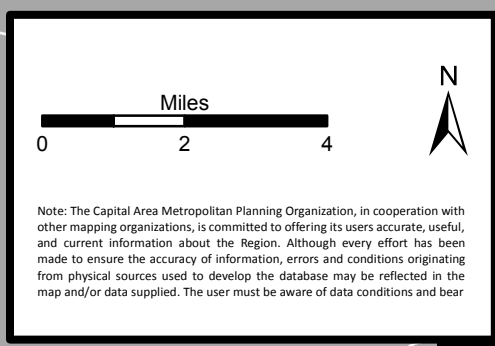
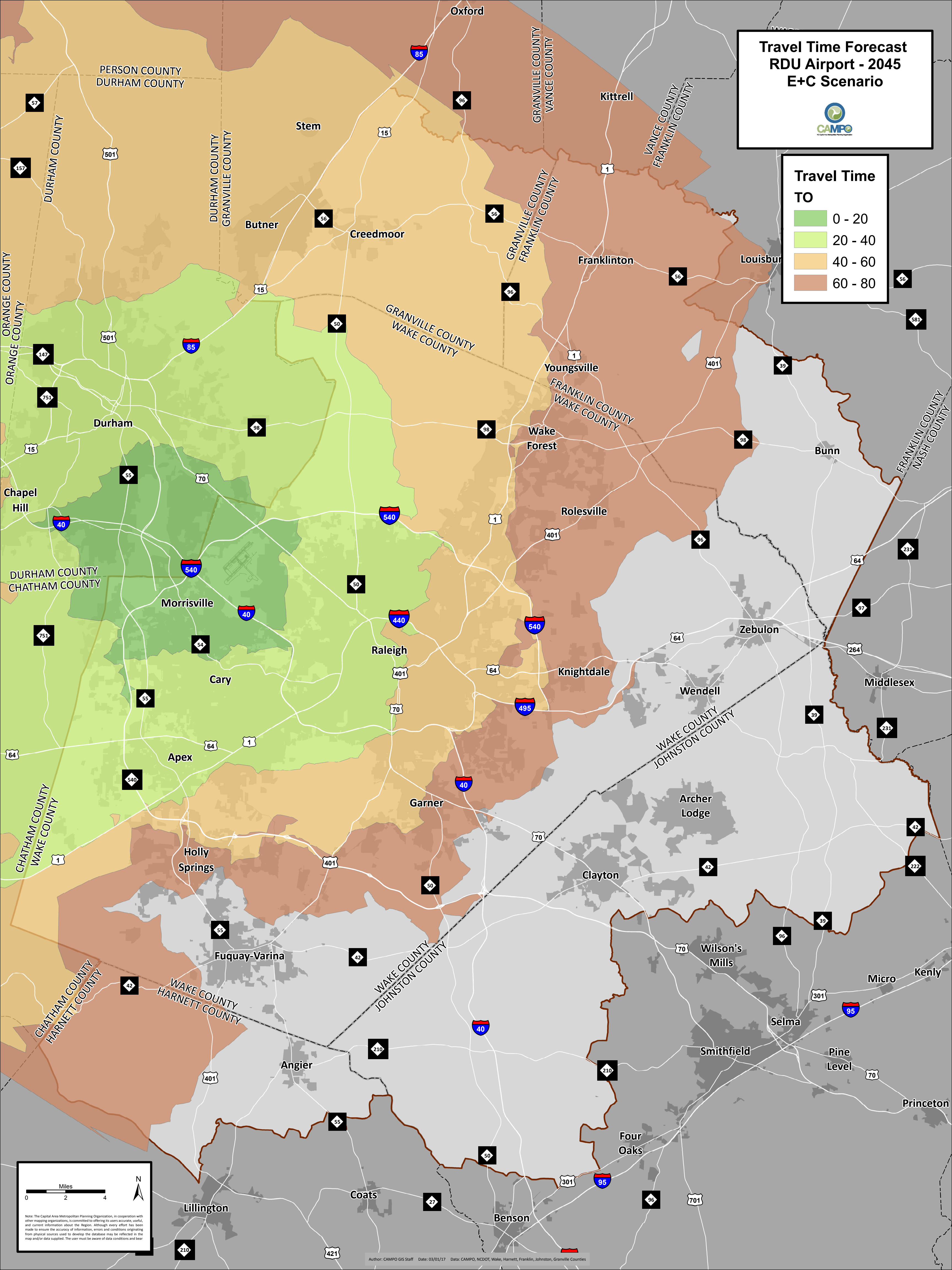
Miles
0 2 4

N

Note: The Capital Area Metropolitan Planning Organization, in cooperation with other mapping organizations, is committed to offering to users accurate, useful, and current information about the Region. Although every effort has been made to ensure the accuracy of information, errors and conditions originating from physical sources used to develop the database may be reflected in the map and/or data supplied. The user must be aware of data conditions and bear

**Vehicle Congestion
Forecast - 2045
E+C Scenario**





Connect 2045 - Existing Conditions Summary													
		Region	CAMPO	DCHC	Durham	Orange	Wake	Chatham	Franklin	Granville	Harnett	Johnston	Person
1	Performance Measures												
1.1	Total VMT (daily)												
1.1.1	All Facility (no C Connectors)	80,263,257	51,767,600	19,286,704	12,447,630	7,078,007	44,331,690	2,818,227	1,854,674	1,511,108	37,378	182,115	669,157
1.2	Total VHT (daily)												
1.2.1	All Facility (no C Connectors)	2,581,849	1,784,196	604,600	411,481	193,295	1,598,952	63,635	42,784	31,237	37,378	182,115	15,300
1.3	Average Speed by Facility (miles/hour)												
1.3.1	- Freeway	52.6	52.6	49.6	47.8	53.2	51.7	N/A	N/A	69.8	N/A	63.3	N/A
1.3.2	- Arterial	34.9	32.7	30.2	29.8	30.1	30.9	59.8	49.5	39.3	48.1	44.4	49.7
1.3.3	- All Facility	40.9	39.1	40.4	38.8	44.6	37.9	50.7	46.7	53.5	43.8	48.8	45.8
1.4	Peak Average Speed by Facility (miles/hour)												
1.4.1	- Freeway	48.5	47.3	46.6	44.3	51.4	46.1	N/A	N/A	69.1	N/A	61.7	N/A
1.4.2	- Arterial	33.1	30.4	28.4	27.9	28.6	28.6	59.2	48.9	39.3	47.7	42.6	49.8
1.4.3	- All Facility	38.1	35.8	37.9	35.9	42.9	34.3	49.2	46	52.1	43.1	47.1	45.9
1.5	Daily Average Travel Length - All Person Trips												
1.5.1	- Travel Time	18.85	19.92	16.6	16.69	16.24	19.73	17.19	17.43	16.97	21.94	19.94	12.76
1.5.2	- Travel Distance	7.35	7.62	6.14	6.15	6.34	7.28	8.37	9.2	9.63	10.33	9.24	7.18
1.6	Daily Average Travel Length - Work Trips												
1.6.1	- Travel Time	31.42	33.48	24.05	23.38	25.18	32.07	31.96	36.81	34.89	44.19	41.59	26.1
1.6.2	- Travel Distance - Work Trips	13.24	13.67	10.15	9.66	11.78	12.83	16.46	19.19	20.05	19.96	18.68	16.01
1.7	Peak Average Travel Length - All Peason Trips												
1.7.1	- Peak Travel Time	21.61	19	18.6	18.87	17.58	19.3	13.64	12.62	16.1	13.14	13.17	8.24
1.7.2	- Peak Travel Distance	7.72	7	6.95	7.26	5.94	7.01	6.64	6.29	8.98	6.7	6.01	3.84
1.8	Daily Average Travel Length - All CV Trips												
1.8.1	- Travel Time	11.42	11.67	11.02	11.02	10.86	11.72	11.32	10.43	11.31	10.13	11.42	9.15
1.8.2	- Travel Distance	6.82	6.82	6.5	6.49	6.66	6.75	7.96	7.2	8.23	6.76	7.69	6.69
1.9	Daily Average Travel Length - Truck Trips												
1.9.1	- Travel Time	13.29	13.61	12.59	12.44	12.56	13.58	13.66	12.34	13.77	12.55	14.33	11.18
1.9.2	- Travel Distance	8.15	8.17	7.64	7.55	7.97	8.05	9.76	8.47	10.15	8.38	9.85	8.25
1.1	Hours of Delay (daily)	757403	577595	165151	119629	43733	549239	8145	3120	2496	4202	26373	287
1.10.1	Truck Hours of Delay (daily)	26655	16980	8457	5862	2818	15917	140	168	182	79	1454	10
1.11	Percent of VMT experiencing congestion - All Day												
1.11.1	- Freeway	14.80%	18.40%	11.90%	16.20%	3.80%	19.30%	N/A	N/A	0%	N/A	4%	N/A
1.11.2	- Arterial	14.80%	17.30%	15.70%	14.90%	17.10%	18.80%	1.70%	0.90%	0%	2.60%	5.30%	0%
1.11.3	- All Facility	13.60%	16.30%	12.20%	14.80%	6.30%	18.30%	3.40%	0.50%	0.50%	2.30%	4.20%	
1.12	Percent of VMT experiencing congestion - Peak												
1.12.1	- Freeway	25.50%	32.10%	19.50%	26.70%	6.20%	33.70%	N/A	N/A	0%	N/A	7.20%	N/A
1.12.2	- Arterial	22.80%	27.60%	22.40%	20.90%	24.10%	30%	3%	1.20%	0%	2.60%	8.60%	0%
1.12.3	- All Facility	21.60%	26.60%	18.40%	22.70%	9.10%	30%	5.70%	0.70%	0.90%	3%	7.10%	0%
1.12.4	- Designated truck routes	16.10%	17.10%	20.30%	20%	22.80%	18.10%	1.60%	0%	0%	6.80%	4.60%	0%
1.12.5	- Facilities w/bus routes	20.50%	21.80%	18.30%	19.20%	15.60%	21.90%	7.20%	N/A	N/A	N/A	11.60%	N/A
2	Mode Share Measures												
2.1	All Trips - Daily												
2.1.1	- Drive alone (single occupant vehicle -SOV)	5,807,930	4,013,637	1,372,083	1,010,848	355,678	3,505,855	123,216	123,247	61,736	96,335	460,917	59,958
2.1.2	- Carpool (Share ride)	4,920,808	3,460,647	1,089,214	800,638	284,201	2,984,564	103,679	110,277	52,961	90,935	432,242	51,447
2.1.3	- Bus	117,794	48,697	68,233	33,516	33,949	48,146	1,435	13	115	10	553	50
2.1.4	- Rail	0	0	0	0	0	0	0	0	0	0	0	0
2.1.5	- Non-Motorized (Bike and Walk)	1,283,038	737,237	492,632	263,079	228,576	693,951	13,829	12,777	5,936	8,616	47,080	8,432
2.2	Work Trips - Daily												
2.2.1	- Drive alone (single occupant vehicle -SOV)	1,415,295	1,000,151	299,208	216,717	79,681	846,786	38,611	35,002	17,300	29,924	132,387	15,715
2.2.2	- Carpool (Share ride)	180,713	124,162	37,871	28,359	9,458	102,541	4,932	5,519	2,696	4,606	19,383	2,640
2.2.3	- Bus	27,027	12,083	14,273	8,534	5,310	11,636	938	7	78	7	468	43
2.2.4	- Rail	0	0	0	0	0	0	0	0	0	0	0	0
2.2.5	- Non-Motorized (Bike and Walk)	110,329	78,728	28,390	18,505	9,612	73,968	1,156	658	276	939	4,616	575
2.3	All Trips - Peak Hours												
2.3.1	- Drive alone (single occupant vehicle -SOV)	3,139,452	2,169,557	734,263	540,642	190,393	1,883,206	70,288	69,024	34,627	54,885	257,408	33,083
2.3.2	- Carpool (Share ride)	2,888,928	2,040,045	626,996	462,744	162,156	1,750,776	61,805	66,363	31,854	55,429	261,400	30,317
2.3.3	- Bus	57,765	22,327	34,917	16,593	17,750	22,205	1,020	0	50	1	122	24
2.3.4	- Rail	0	0	0	0	0	0	0	0	0	0	0	0
2.3.5	- Non-Motorized (Bike and Walk)	659,800	395,858	232,429	129,559	102,089	368,718	8,323	7,683	3,503	5,606	28,926	4,903
3	Transit Measures												
3.1	Transit Ridership by Prod. Ends	PK	OP	Total									
3.1.1	- TTA (Including Rail)	15,376	4,551	19,927									
3.1.2	- CAT	17,297	16,015	33,312									
3.1.3	- CHT	23,458	18,827	42,285									
3.1.4	- DATA	15,256	14,289	29,545									
3.1.5	- NCSU	10,413	12,315	22,728									
3.1.6	- DUKE	5,321	5,621	10,942									
3.1.7	- OPT	314	N/A	314									
3.1.8	- CARY	1,947	1,247	3,194									
3.1.9	Total	89,382	72,865	162,247									
3.2	Ridership By Prod. Ends by Routes	PK	OP	Total									
3.3	Total Rail Ridership	N/A	N/A	N/A									
4	Demographics Measures												
4.1	Population	3,078,635	2,165,520	664,601	469,397	192,704	1,861,822	72,827	71,334	35,048	62,121	273,275	32,972
4.2	Employment	1,519,413	994,777	447,340	341,924	107,486	929,286	17,692	22,409	12,023	9,626	66,867	11,655
4.3	Total Daily Person Trips	12,129,570	8,260,218	3,022,162	2,108,081	902,404	7,232,516	242,159	246,314	120,748	195,896	940,792	119,887
4.3.1	Work Person Trips	1,733,364	1,215,124	379,742	272,115	104,061	1,034,931	45,637	41,186	20,350	35,476	156,854	18,973
4.4	Total Daily CV Trips	800,798	533,629	199,019	152,074	52,062	473,782	16,564	19,105	9,224	10,927	57,462	8,371
4.4.1	Daily Truck Trips	335,003	223,043	82,975	64,788	21,260	199,962	6,427	8,048	3,854	3,990	22,833	3,387
5	Other Measures												
5.1	Lane Miles	12,733	6,987	2,632	1,672	1,203	5,121	677	789	520	486	1,574	580