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SUMMARY OF MEASURES

This information was provided to the Urban Area by the consultant preparing the analysis of the five Tier 3 alternatives. Both highway and transit criteria are provided. The Summary of Measures provides a summary of various criteria for each alternative. The data is provided for the Durham-Chapel Hill-Carrboro Metropolitan region, by county and by subarea.

DCHC LRTP

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Triangle Regional Model - Summary of Measures

Transit Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Walk to Local	88,741	118,560	115,845	89,091	94,295
Walk to Premium	27,716	26,555	29,025	27,361	27,805
Drive to Transit	22,150	20,882	20,904	21,547	20,185
Transit Trips - HBW	58,643	84,490	83,962	58,477	60,397
Transit Ridership - HBW	113,181	133,936	135,572	111,730	120,125
Transit Trips - HBO and NHB	79,964	81,507	81,812	79,522	81,888
Transit Ridership - HBO and NHB	120,913	124,063	125,264	120,316	124,728
Total Transit Trips	138,607	165,997	165,774	137,999	142,285
Total Transit Ridership	234,094	257,999	260,836	232,046	244,853
Highway Trips					
Drive Alone Vehicle Trips	3,855,696	3,838,216	3,833,423	3,856,202	3,853,226
Drive Alone Person Trips	3,856,804	3,839,312	3,834,517	3,857,307	3,854,335
HOV ¹ Vehicle Trips	1,007,811	1,003,097	1,005,461	1,007,828	1,007,257
HOV ¹ Person Trips	2,494,122	2,484,089	2,489,123	2,494,210	2,492,746
Vehicle Occupancy for HOV	2.47	2.48	2.48	2.47	2.47
Total Vehicle Trips²	4,863,507	4,841,313	4,838,884	4,864,030	4,860,483
Total Person Trips³	6,489,533	6,489,398	6,489,414	6,489,516	6,489,366
Average Vehicle Occupancy	1.33	1.34	1.34	1.33	1.34

¹ Two or more passengers per vehicle

² Sum of HOV Vehicle and Drive Alone Vehicle trips

³ Sum of Transit and Highway Person trips

DCHC MPO - Summary of Measures					
Transit Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Walk to Local	55,862	80,774	78,231	56,402	58,818
Walk to Premium	34,173	30,390	32,703	33,506	33,814
Drive to Transit	15,430	14,319	14,783	14,416	13,868
Total Transit Trips	105,465	125,483	125,717	104,324	106,500
Highway Trips					
Drive Alone Vehicle Trips	1,792,514	1,767,736	1,767,698	1,794,643	1,790,826
Drive Alone Person Trips	1,792,982	1,768,102	1,768,095	1,795,001	1,791,233
HOV ¹ Vehicle Trips	506,604	503,735	505,883	506,951	505,880
HOV ¹ Person Trips	1,251,900	1,246,741	1,251,355	1,252,805	1,250,010
Vehicle Occupancy for HOV	2.48	2.48	2.48	2.48	2.47
Total Vehicle Trips²	2,299,118	2,271,471	2,273,581	2,301,594	2,296,706
Total Person Trips³	3,150,347	3,140,326	3,145,167	3,152,130	3,147,743
Average Vehicle Occupancy	1.37	1.38	1.38	1.37	1.37
Measures	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
AM Peak VMT	6,231,221	6,041,021	6,077,060	6,217,320	6,222,625
AM Peak VHT	149,310	150,563	146,458	148,321	149,101
PM Peak VMT	6,290,341	6,242,684	6,257,395	6,273,512	6,285,586
PM Peak VHT	147,516	153,389	149,977	146,298	147,334
Total Daily VMT	20,832,834	20,595,748	20,658,765	20,785,885	20,815,787
Total Daily VHT	476,854	485,631	478,668	473,615	476,297
Average Highway Trip Length					
Drive Alone Vehicle Trip - Time (Minutes)	18.8	19.1	18.8	18.8	18.8
HOV Vehicle Trips - Time (Minutes)	21.4	21.3	21.6	21.3	21.4
Drive Alone Vehicle Trip - Distance (Miles)	15.0	15.6	15.2	14.9	15.0
HOV Vehicle Trips - Distance (Miles)	14.4	15.6	14.9	14.2	14.4
Average Peak Speed - AM					
Control Access Facility	50	48	51	51	50
Arterial	36	35	36	36	36
Collector	41	40	40	41	41
Average Peak Speed - PM					
Control Access Facility	52	49	49	51	52
Arterial	37	35	36	37	37
Collector	41	41	41	41	41
Percent of VMT with Congestion - AM					
Control Access Facility	25.3%	38.3%	34.7%	24.9%	24.4%
Arterial	31.7%	34.1%	32.0%	31.9%	31.7%
Collector	16.3%	30.6%	26.4%	15.2%	16.3%
Local	22.4%	25.5%	26.5%	21.4%	21.5%
Percent of VMT with Congestion - PM					
Control Access Facility	24.7%	32.7%	34.1%	24.2%	23.2%
Arterial	26.1%	30.8%	27.6%	25.4%	25.0%
Collector	12.9%	16.8%	17.3%	11.7%	13.1%
Local	18.8%	21.7%	19.4%	17.1%	18.5%

¹ Two or more passengers per vehicle

² Sum of HOV Vehicle and Drive Alone Vehicle trips

³ Sum of Transit and Highway Person trips

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Orange County - Summary of Measures

Transit Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Walk to Local	21,253	32,919	30,594	21,467	20,971
Walk to Premium	15,448	13,908	16,467	15,050	15,290
Drive to Transit	4,620	4,549	4,818	4,169	4,276
Total Transit Trips	41,321	51,376	51,879	40,686	40,537
Highway Trips					
Drive Alone Vehicle Trips	493,393	482,615	481,902	494,752	493,231
Drive Alone Person Trips	493,523	482,716	482,101	494,810	493,344
HOV ¹ Vehicle Trips	152,304	150,055	150,593	152,535	152,240
HOV ¹ Person Trips	375,968	371,282	372,314	376,548	375,633
Vehicle Occupancy for HOV	2.47	2.47	2.47	2.47	2.47
Total Vehicle Trips ²	645,697	632,670	632,495	647,287	645,471
Total Person Trips ³	910,812	905,374	906,294	912,044	909,514
Average Vehicle Occupancy	1.41	1.43	1.43	1.41	1.41
Measures	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
AM Peak VMT	1,562,147	1,521,817	1,530,197	1,580,440	1,559,127
AM Peak VHT	37,044	35,208	35,443	36,586	36,951
PM Peak VMT	1,635,478	1,618,312	1,624,531	1,649,878	1,633,548
PM Peak VHT	37,799	37,577	37,444	37,235	37,699
Total Daily VMT	5,375,033	5,312,991	5,327,466	5,433,255	5,369,768
Total Daily VHT	121,820	119,837	120,074	120,780	121,589
Average Highway Trip Length					
Drive Alone Vehicle Trip - Time (Minutes)	15.2	15.2	14.9	15.2	15.2
HOV ¹ Vehicle Trips - Time (Minutes)	16.0	15.9	16.3	16.0	16.0
Drive Alone Vehicle Trip - Distance (Miles)	13.5	13.7	13.4	13.3	13.5
HOV ¹ Vehicle Trips - Distance (Miles)	11.2	12.2	11.5	11.0	11.2
Average Peak Speed - AM					
Control Access Facility	60	59	58	60	60
Arterial	31	34	34	32	31
Collector	40	40	40	41	40
Average Peak Speed - PM					
Control Access Facility	60	57	58	59	60
Arterial	33	34	34	34	33
Collector	40	40	40	41	40
Percent of VMT with Congestion - AM					
Control Access Facility	2.8%	14.2%	14.0%	3.3%	2.8%
Arterial	24.1%	22.9%	23.4%	27.8%	24.9%
Collector	10.5%	9.7%	8.9%	9.8%	10.5%
Local	11.7%	16.1%	15.2%	8.6%	11.7%
Percent of VMT with Congestion - PM					
Control Access Facility	2.6%	2.8%	3.0%	3.6%	2.6%
Arterial	21.5%	21.7%	20.6%	20.3%	21.6%
Collector	7.6%	7.7%	8.4%	6.9%	7.7%
Local	10.9%	11.3%	11.5%	11.5%	10.9%

¹ Two or more passengers per vehicle² Sum of HOV Vehicle and Drive Alone Vehicle trips³ Sum of Transit and Highway Person trips

Durham County - Summary of Measures

Transit Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Walk to Local	34,255	47,502	47,297	34,576	37,494
Walk to Premium	18,412	16,179	15,927	18,142	18,221
Drive to Transit	8,968	7,918	8,037	8,406	7,737
Total Transit Trips	61,635	71,599	71,261	61,124	63,452
Highway Trips					
Drive Alone Vehicle Trips	1,186,625	1,172,726	1,173,653	1,187,438	1,185,158
Drive Alone Person Trips	1,186,906	1,172,964	1,173,748	1,187,633	1,185,366
HOV ¹ Vehicle Trips	309,094	308,463	310,005	309,202	308,374
HOV ¹ Person Trips	763,829	763,311	766,711	764,060	762,220
Vehicle Occupancy for HOV	2.47	2.47	2.47	2.47	2.47
Total Vehicle Trips ²	1,495,719	1,481,189	1,483,658	1,496,640	1,493,532
Total Person Trips ³	2,012,370	2,007,874	2,011,720	2,012,817	2,011,038
Average Vehicle Occupancy	1.35	1.36	1.36	1.34	1.35
Measures	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
AM Peak VMT	3,877,224	3,712,504	3,755,786	3,844,752	3,872,029
AM Peak VHT	96,098	98,658	94,718	95,537	95,988
PM Peak VMT	3,870,720	3,826,285	3,846,576	3,839,773	3,868,329
PM Peak VHT	93,821	99,602	96,575	93,152	93,748
Total Daily VMT	12,888,193	12,683,638	12,760,121	12,784,329	12,876,653
Total Daily VHT	303,354	313,277	306,745	301,134	303,030
Average Highway Trip Length					
Drive Alone Vehicle Trip - Time (Minutes)	14.6	14.8	14.5	14.5	14.5
HOV ¹ Vehicle Trips - Time (Minutes)	18.0	17.9	18.4	18.1	18.1
Drive Alone Vehicle Trip - Distance (Miles)	13.5	14.3	13.9	13.5	13.5
HOV ¹ Vehicle Trips - Distance (Miles)	12.7	14.5	13.3	12.7	12.7
Average Peak Speed - AM					
Control Access Facility	47	44	48	47	46
Arterial	36	34	35	36	37
Collector	34	33	33	34	34
Average Peak Speed - PM					
Control Access Facility	48	45	46	47	48
Arterial	37	35	36	37	37
Collector	34	34	35	35	34
Percent of VMT with Congestion - AM					
Control Access Facility	35.5%	53.2%	47.9%	35.0%	36.5%
Arterial	38.4%	42.1%	39.0%	37.5%	38.2%
Collector	32.0%	41.7%	41.0%	30.0%	31.9%
Local	29.1%	30.4%	32.2%	28.6%	27.8%
Percent of VMT with Congestion - PM					
Control Access Facility	36.0%	50.8%	50.3%	34.9%	36.0%
Arterial	30.9%	37.7%	33.7%	30.4%	29.4%
Collector	29.5%	38.2%	39.4%	26.0%	29.6%
Local	24.0%	27.2%	24.1%	21.3%	23.6%

¹ Two or more passengers per vehicle

² Sum of HOV Vehicle and Drive Alone Vehicle trips

³ Sum of Transit and Highway Person trips

Chatham County - Summary of Measures

Transit Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Walk to Local	354	353	340	359	353
Walk to Premium	313	303	309	314	303
Drive to Transit	1,842	1,852	1,928	1,841	1,855
Total Transit Trips	2,509	2,508	2,577	2,514	2,511
Highway Trips					
Drive Alone Vehicle Trips	78,728	78,539	78,351	78,720	78,707
Drive Alone Person Trips	78,795	78,534	78,431	78,782	78,765
HOV ¹ Vehicle Trips	29,915	29,919	30,039	29,887	29,957
HOV ¹ Person Trips	74,079	74,210	74,356	74,136	74,107
Vehicle Occupancy for HOV	2.48	2.48	2.48	2.48	2.47
Total Vehicle Trips²	108,643	108,458	108,390	108,607	108,664
Total Person Trips³	155,383	155,252	155,364	155,432	155,383
Average Vehicle Occupancy	1.43	1.43	1.43	1.43	1.43
Measures	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
AM Peak VMT	542,399	555,795	540,070	540,490	541,969
AM Peak VHT	10,669	11,141	10,730	10,618	10,658
PM Peak VMT	512,545	524,985	513,647	510,755	512,168
PM Peak VHT	9,946	10,217	9,981	9,911	9,935
Total Daily VMT	1,691,641	1,717,605	1,691,088	1,686,247	1,691,227
Total Daily VHT	32,770	33,488	32,850	32,648	32,757
Average Highway Trip Length					
Drive Alone Vehicle Trip - Time (Minutes)	23.3	23.7	23.5	23.3	23.3
HOV ¹ Vehicle Trips - Time (Minutes)	24.3	24.4	24.7	24.2	24.4
Drive Alone Vehicle Trip - Distance (Miles)	16.5	17.3	16.9	16.4	16.5
HOV ¹ Vehicle Trips - Distance (Miles)	15.1	16.7	15.7	15.0	15.1
Average Peak Speed - AM					
Control Access Facility	65	65	65	65	65
Arterial	52	52	52	52	52
Collector	49	47	47	49	49
Average Peak Speed - PM					
Control Access Facility	65	65	65	65	65
Arterial	51	51	51	51	51
Collector	49	49	49	49	49
Percent of VMT with Congestion - AM					
Control Access Facility	0.0%	0.0%	0.0%	0.0%	0.0%
Arterial	0.6%	3.1%	3.2%	0.6%	0.6%
Collector	6.5%	43.9%	32.1%	4.5%	6.5%
Local	0.0%	7.8%	7.8%	0.0%	0.0%
Percent of VMT with Congestion - PM					
Control Access Facility	0.0%	0.0%	0.0%	0.0%	0.0%
Arterial	2.9%	4.8%	2.9%	2.9%	2.9%
Collector	0.0%	5.1%	5.3%	0.0%	0.0%
Local	0.0%	0.0%	0.0%	0.0%	0.0%

¹ Two or more passengers per vehicle

² Sum of HOV Vehicle and Drive Alone Vehicle trips

³ Sum of Transit and Highway Person trips

Granville County - Summary of Measures

Transit Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Walk to Local	0	0	0	0	0
Walk to Premium	0	0	0	0	0
Drive to Transit	0	0	0	0	0
Total Transit Trips	0	0	0	0	0
Highway Trips					
Drive Alone Vehicle Trips	33,768	33,856	33,792	33,733	33,730
Drive Alone Person Trips	33,758	33,888	33,815	33,776	33,758
HOV ¹ Vehicle Trips	15,291	15,298	15,246	15,327	15,309
HOV ¹ Person Trips	38,024	37,938	37,974	38,061	38,050
Vehicle Occupancy for HOV	2.49	2.48	2.49	2.48	2.49
Total Vehicle Trips ²	49,059	49,154	49,038	49,060	49,039
Total Person Trips ³	71,782	71,826	71,789	71,837	71,808
Average Vehicle Occupancy	1.46	1.46	1.46	1.46	1.46
Measures	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
AM Peak VMT	249,451	250,905	251,007	251,637	249,500
AM Peak VHT	5,499	5,556	5,567	5,580	5,504
PM Peak VMT	271,598	273,101	272,641	273,106	271,541
PM Peak VHT	5,950	5,994	5,978	6,000	5,951
Total Daily VMT	877,968	881,514	880,090	882,054	878,140
Total Daily VHT	18,910	19,030	18,998	19,053	18,921
Average Highway Trip Length					
Drive Alone Vehicle Trip - Time (Minutes)	22.3	22.5	22.1	22.2	22.3
HOV ¹ Vehicle Trips - Time (Minutes)	27.1	27.0	27.1	27.0	27.1
Drive Alone Vehicle Trip - Distance (Miles)	16.6	16.9	16.6	16.5	16.6
HOV ¹ Vehicle Trips - Distance (Miles)	18.5	19.1	19.0	18.2	18.5
Average Peak Speed - AM					
Control Access Facility	54	54	54	54	54
Arterial	27	27	27	27	27
Collector	44	44	43	44	44
Average Peak Speed - PM					
Control Access Facility	52	52	52	52	53
Arterial	29	29	29	29	29
Collector	44	44	44	44	44
Percent of VMT with Congestion - AM					
Control Access Facility	36.1%	0.0%	0.0%	36.1%	0.0%
Arterial	29.5%	29.8%	29.9%	29.2%	29.6%
Collector	21.5%	22.8%	23.0%	23.5%	21.8%
Local	37.5%	37.2%	36.5%	35.2%	36.1%
Percent of VMT with Congestion - PM					
Control Access Facility	31.8%	0.0%	31.9%	31.9%	0.0%
Arterial	27.3%	27.1%	27.0%	26.8%	27.3%
Collector	16.6%	17.5%	16.5%	16.7%	17.5%
Local	0.0%	0.0%	0.0%	0.0%	0.0%

¹ Two or more passengers per vehicle

² Sum of HOV Vehicle and Drive Alone Vehicle trips

³ Sum of Transit and Highway Person trips

Chapel Hill - Summary of Measures

Transit Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Walk to Local	21,219	32,886	30,563	21,422	20,954
Walk to Premium	14,031	12,754	15,358	14,452	13,768
Drive to Transit	3,802	3,910	4,172	3,897	3,531
Total Transit Trips	39,052	49,550	50,093	39,771	38,253
Highway Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Drive Alone Vehicle Trips	350,855	339,459	338,727	351,613	350,552
Drive Alone Person Trips	350,959	339,480	338,839	338,839	350,567
HOV ¹ Vehicle Trips	116,163	113,903	114,176	116,283	116,058
HOV ¹ Person Trips	286,679	281,944	282,453	287,016	286,378
Vehicle Occupancy for HOV	2.47	2.48	2.47	2.47	2.47
Total Vehicle Trips ²	467,018	453,362	452,903	467,896	466,610
Total Person Trips ³	676,690	670,974	671,385	678,359	675,198
Average Vehicle Occupancy	1.45	1.48	1.48	1.45	1.45
Measures	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
AM Peak VMT	492,734	482,502	482,174	495,849	490,655
AM Peak VHT	16,475	15,594	15,781	15,915	16,389
PM Peak VMT	492,478	493,082	490,130	497,781	491,677
PM Peak VHT	16,036	16,293	16,109	15,851	15,993
Total Daily VMT	1,635,142	1,630,612	1,627,945	1,627,945	1,632,054
Total Daily VHT	51,756	51,530	51,643	50,789	51,591
Average Highway Trip Length	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Drive Alone Vehicle Trip - Time (Minutes)	13.7	13.6	13.2	13.2	13.6
HOV ¹ Vehicle Trips - Time (Minutes)	14.3	14.2	14.5	14.3	14.3
Drive Alone Vehicle Trip - Distance (Miles)	13.4	13.6	13.3	13.7	13.4
HOV ¹ Vehicle Trips - Distance (Miles)	10.7	11.8	11.0	10.5	10.7
Average Peak Speed - AM	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Control Access Facility	36	37	32	40	36
Arterial	28	29	29	29	28
Collector	34	34	35	34	34
Average Peak Speed - PM	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Control Access Facility	34	29	29	34	35
Arterial	29	30	30	30	29
Collector	36	36	36	36	36
Percent of VMT with Congestion - AM	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Control Access Facility	26.6%	85.9%	87.9%	29.8%	26.7%
Arterial	32.4%	29.8%	30.6%	36.1%	32.6%
Collector	25.9%	28.2%	25.6%	26.7%	25.9%
Local	27.6%	35.0%	33.7%	20.6%	27.8%
Percent of VMT with Congestion - PM	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Control Access Facility	30.8%	29.9%	31.3%	38.2%	30.6%
Arterial	28.4%	26.1%	25.5%	27.9%	28.5%
Collector	18.5%	18.3%	20.6%	22.2%	18.5%
Local	25.1%	24.5%	25.1%	26.3%	25.2%

¹ Two or more passengers per vehicle

² Sum of HOV Vehicle and Drive Alone Vehicle trips

³ Sum of Transit and Highway Person trips

Downtown Durham - Summary of Measures

Transit Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Walk to Local	5,529	7,754	7,725	5,595	5,619
Walk to Premium	1,177	1,076	988	1,042	1,160
Drive to Transit	697	669	680	623	604
Total Transit Trips	7,403	9,499	9,393	7,260	7,383
Highway Trips					
Drive Alone Vehicle Trips	47,733	45,686	45,909	47,751	47,788
Drive Alone Person Trips	47,717	45,794	45,892	47,758	47,739
HOV ¹ Vehicle Trips	15,125	14,973	15,062	14,983	15,054
HOV ¹ Person Trips	37,060	37,099	37,194	37,155	37,057
Vehicle Occupancy for HOV	2.45	2.48	2.47	2.48	2.46
Total Vehicle Trips ²	62,858	60,659	60,971	62,734	62,842
Total Person Trips ³	92,180	92,392	92,479	92,173	92,179
Average Vehicle Occupancy	1.47	1.52	1.52	1.47	1.47
Measures	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
AM Peak VMT	14,486	15,038	15,114	14,380	14,453
AM Peak VHT	595	618	621	591	594
PM Peak VMT	16,150	18,646	18,436	16,093	16,155
PM Peak VHT	660	771	760	657	659
Total Daily VMT	52,571	52,571	52,571	52,571	52,571
Total Daily VHT	2,144	2,332	2,322	2,134	2,141
Average Highway Trip Length					
Drive Alone Vehicle Trip - Time (Minutes)	11.7	11.6	11.4	12.2	11.7
HOV ¹ Vehicle Trips - Time (Minutes)	15.2	15.0	15.4	15.1	15.3
Drive Alone Vehicle Trip - Distance (Miles)	12.2	12.7	12.5	11.7	12.2
HOV ¹ Vehicle Trips - Distance (Miles)	10.9	12.4	11.4	10.7	10.7
Average Peak Speed - AM					
Control Access Facility	0	0	0	0	0
Arterial	24	24	24	24	24
Collector	25	25	25	25	25
Average Peak Speed - PM					
Control Access Facility	0	0	0	0	0
Arterial	24	24	24	24	24
Collector	25	25	25	25	25
Percent of VMT with Congestion - AM					
Control Access Facility	0.0%	0.0%	0.0%	0.0%	0.0%
Arterial	3.5%	1.3%	3.2%	3.5%	3.5%
Collector	0.0%	0.0%	0.0%	0.0%	0.0%
Local	38.5%	36.4%	35.2%	38.6%	38.8%
Percent of VMT with Congestion - PM					
Control Access Facility	0.0%	0.0%	0.0%	0.0%	0.0%
Arterial	1.2%	5.6%	2.7%	1.2%	1.2%
Collector	0.0%	0.0%	0.0%	0.0%	0.0%
Local	32.9%	57.7%	58.5%	32.9%	33.1%

¹ Two or more passengers per vehicle

² Sum of HOV Vehicle and Drive Alone Vehicle trips

³ Sum of Transit and Highway Person trips

RTP - Summary of Measures

Transit Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Walk to Local	1,009	1,543	1,502	981	1,249
Walk to Premium	1,316	1,685	1,641	1,307	1,594
Drive to Transit	758	883	863	731	796
Total Transit Trips	3,083	4,111	4,006	3,019	3,639
Highway Trips					
Drive Alone Vehicle Trips	177,684	177,431	176,946	177,715	177,218
Drive Alone Person Trips	177,698	177,397	176,937	177,663	177,207
HOV ¹ Vehicle Trips	42,071	41,781	42,077	41,952	41,968
HOV ¹ Person Trips	103,957	103,452	104,128	103,894	103,698
Vehicle Occupancy for HOV	2.47	2.48	2.47	2.48	2.47
Total Vehicle Trips²	219,755	219,212	219,023	219,667	219,186
Total Person Trips³	284,738	284,960	285,071	284,576	284,544
Average Vehicle Occupancy	1.30	1.30	1.30	1.30	1.30
Measures	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
AM Peak VMT	509,464	465,943	490,777	509,441	507,951
AM Peak VHT	11,194	10,468	10,642	11,545	11,134
PM Peak VMT	511,654	497,883	518,046	511,638	512,583
PM Peak VHT	11,231	12,281	12,233	11,219	11,284
Total Daily VMT	1,710,828	1,671,954	1,720,153	1,709,030	1,710,138
Total Daily VHT	36,083	36,717	36,954	36,368	36,073
Average Highway Trip Length					
Drive Alone Vehicle Trip - Time (Minutes)	15.7	16.3	16.0	14.8	15.6
HOV ¹ Vehicle Trips - Time (Minutes)	19.0	18.5	19.4	19.1	19.1
Drive Alone Vehicle Trip - Distance (Miles)	14.8	16.0	15.3	15.7	14.8
HOV ¹ Vehicle Trips - Distance (Miles)	13.0	15.7	13.6	13.0	12.9
Average Peak Speed - AM					
Control Access Facility	52	50	53	52	52
Arterial	38	36	36	35	38
Collector	43	40	40	43	43
Average Peak Speed - PM					
Control Access Facility	51	45	42	51	51
Arterial	38	34	38	38	38
Collector	42	37	39	42	42
Percent of VMT with Congestion - AM					
Control Access Facility	38.9%	53.6%	56.7%	37.4%	39.0%
Arterial	33.5%	32.0%	32.4%	34.8%	33.1%
Collector	0.0%	53.7%	100.0%	0.0%	0.0%
Local	34.7%	30.7%	54.0%	34.1%	34.4%
Percent of VMT with Congestion - PM					
Control Access Facility	34.5%	53.6%	55.2%	34.4%	38.6%
Arterial	24.1%	39.7%	29.7%	24.9%	24.8%
Collector	54.6%	100.0%	100.0%	53.2%	53.1%
Local	43.6%	58.4%	34.0%	43.9%	43.7%

¹ Two or more passengers per vehicle

² Sum of HOV Vehicle and Drive Alone Vehicle trips

³ Sum of Transit and Highway Person trips

Southwest Durham - Summary of Measures

Transit Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Walk to Local	9,529	10,511	10,423	9,405	9,600
Walk to Premium	2,635	2,719	2,763	2,796	2,296
Drive to Transit	992	1,042	1,013	972	930
Total Transit Trips	13,156	14,272	14,199	13,173	12,826
Highway Trips					
Drive Alone Vehicle Trips	386,555	384,126	383,994	386,671	387,150
Drive Alone Person Trips	386,634	384,205	383,959	386,770	387,164
HOV ¹ Vehicle Trips	95,492	95,784	96,422	95,585	95,361
HOV ¹ Person Trips	236,301	237,045	238,327	236,380	235,860
Vehicle Occupancy for HOV	2.47	2.47	2.47	2.47	2.47
Total Vehicle Trips ²	482,047	479,910	480,416	482,256	482,511
Total Person Trips ³	636,091	635,522	636,485	636,323	635,850
Average Vehicle Occupancy	1.32	1.32	1.32	1.32	1.32
Measures	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
AM Peak VMT	1,156,050	1,134,739	1,143,924	1,133,941	1,153,953
AM Peak VHT	29,485	29,877	27,915	28,897	29,392
PM Peak VMT	1,132,422	1,148,805	1,156,681	1,103,372	1,131,199
PM Peak VHT	27,543	28,839	27,608	26,921	27,468
Total Daily VMT	3,774,481	3,815,689	3,834,893	3,690,980	3,770,902
Total Daily VHT	89,741	91,428	88,307	87,625	89,535
Average Highway Trip Length					
Drive Alone Vehicle Trip - Time (Minutes)	13.4	13.7	13.4	12.8	13.4
HOV ¹ Vehicle Trips - Time (Minutes)	15.9	15.6	16.3	16.0	16.0
Drive Alone Vehicle Trip - Distance (Miles)	12.9	13.6	13.2	13.4	12.9
HOV ¹ Vehicle Trips - Distance (Miles)	11.5	13.0	12.0	11.4	11.5
Average Peak Speed - AM					
Control Access Facility	46	45	50	45	46
Arterial	33	32	34	33	33
Collector	36	36	36	37	36
Average Peak Speed - PM					
Control Access Facility	49	49	52	46	49
Arterial	34	33	34	35	34
Collector	36	37	36	38	36
Percent of VMT with Congestion - AM					
Control Access Facility	36.2%	59.4%	43.4%	37.1%	36.3%
Arterial	25.2%	32.4%	25.2%	23.6%	25.2%
Collector	32.8%	35.7%	34.5%	32.0%	32.7%
Local	38.3%	38.6%	40.3%	38.8%	37.4%
Percent of VMT with Congestion - PM					
Control Access Facility	47.6%	51.4%	49.7%	49.6%	47.6%
Arterial	15.3%	29.5%	23.8%	14.2%	15.6%
Collector	20.1%	38.3%	38.9%	19.5%	20.3%
Local	36.7%	36.9%	35.5%	29.6%	35.7%

¹ Two or more passengers per vehicle

² Sum of HOV Vehicle and Drive Alone Vehicle trips

³ Sum of Transit and Highway Person trips

Duke - Summary of Measures

Transit Trips	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
Walk to Local	26,071	37,513	37,469	26,464	28,866
Walk to Premium	13,586	11,655	11,496	13,323	13,260
Drive to Transit	6,356	4,942	5,042	5,879	5,254
Total Transit Trips	46,013	54,110	54,007	45,666	47,380
Highway Trips					
Drive Alone Vehicle Trips	368,862	357,930	358,053	368,556	367,755
Drive Alone Person Trips	368,857	357,975	358,126	368,635	367,751
HOV ¹ Vehicle Trips	110,416	109,834	110,030	110,603	109,944
HOV ¹ Person Trips	273,697	272,506	273,222	274,014	272,516
Vehicle Occupancy for HOV	2.48	2.48	2.48	2.48	2.48
Total Vehicle Trips ²	479,278	467,764	468,083	479,159	477,699
Total Person Trips ³	688,567	684,591	685,355	688,315	687,647
Average Vehicle Occupancy	1.44	1.46	1.46	1.44	1.44
Measures	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
AM Peak VMT	458,941	421,990	422,581	452,914	457,717
AM Peak VHT	12,256	11,996	11,978	12,091	12,203
PM Peak VMT	472,860	455,152	450,543	468,796	472,147
PM Peak VHT	12,931	13,669	13,393	12,806	12,898
Total Daily VMT	1,592,992	1,519,862	1,516,579	1,576,693	1,589,985
Total Daily VHT	41,923	42,856	42,594	41,512	41,801
Average Highway Trip Length					
Drive Alone Vehicle Trip - Time (Minutes)	10.6	10.7	10.3	10.9	10.6
HOV ¹ Vehicle Trips - Time (Minutes)	15.2	15.3	15.6	15.3	15.3
Drive Alone Vehicle Trip - Distance (Miles)	10.9	11.4	11.2	10.5	10.9
HOV ¹ Vehicle Trips - Distance (Miles)	11.0	12.5	11.5	11.0	11.0
Average Peak Speed - AM					
Control Access Facility	48	46	46	49	49
Arterial	28	28	28	28	28
Collector	30	30	30	30	30
Average Peak Speed - PM					
Control Access Facility	48	43	43	48	48
Arterial	28	27	28	28	28
Collector	28	28	28	29	28
Percent of VMT with Congestion - AM					
Control Access Facility	23.5%	41.0%	47.3%	20.3%	26.8%
Arterial	24.9%	28.5%	28.6%	25.3%	24.7%
Collector	0.0%	0.0%	0.0%	0.0%	0.0%
Local	15.1%	13.4%	14.6%	15.1%	15.4%
Percent of VMT with Congestion - PM					
Control Access Facility	10.5%	42.6%	46.6%	10.6%	10.5%
Arterial	29.3%	33.5%	29.1%	27.9%	26.6%
Collector	23.3%	20.9%	28.3%	22.7%	23.2%
Local	23.2%	20.7%	21.0%	23.5%	23.2%

¹ Two or more passengers per vehicle

² Sum of HOV Vehicle and Drive Alone Vehicle trips

³ Sum of Transit and Highway Person trips