

35

SUMMARY OF SELECTED EVALUATION CRITERIA

This information was provided to the Urban Area by the consultant preparing the analysis of the five Tier 3 alternatives. Highway and transit data are provided for each alternative. Elements of these tables have been included in Attachment 5, Summary of Measures.

Moderate Transit and Moderate Highway +1 & +2 with HOV

Purpose	Walk to				Drive Alone		HOV		Vehicle		Total	
	Local Transit	Premium Transit	Drive to Transit	Total Trips	Vehicles	Persons	Vehicles	Persons	Occupancy	Trips	Person Trips	
HBW	28,069	18,286	12,288	58,643	1,233,516	1,233,643	71,999	154,591	2.15	1,305,515	1,446,877	
HBO	38,745	5,931	6,223	50,899	1,264,687	1,265,293	597,298	1,493,246	2.50	1,861,985	2,809,438	
NHB	21,927	3,499	3,639	29,065	1,357,493	1,357,868	338,514	846,285	2.50	1,696,007	2,233,218	
Total	88,741	27,716	22,150	138,607	3,855,696	3,856,804	1,007,811	2,494,122	2.47	4,863,507	6,489,533	

DCHC - LRTP MPO

Area	Walk to Local Transit		Walk to Premium Transit		Drive to Transit		Total Trips		Drive Alone		HOV		Vehicle		Total	
	Transit	Transit	Transit	Transit	Transit	Transit	Trips	Trips	Vehicles	Persons	Vehicles	Persons	Occupancy	Trips	Person Trips	
Orange County	21,253	15,448	4,620	41,321	493,393	493,523	152,304	375,968	2.47	645,697	910,812					
Durham County	34,255	18,412	8,968	61,635	1,186,625	1,186,906	309,094	763,829	2.47	1,495,719	2,012,370					
Chatham County	354	313	1,842	2,509	78,728	78,795	29,915	74,079	2.48	108,643	155,383					
Granville County	0	0	0	0	33,768	33,758	15,291	38,024	2.49	49,059	71,782					
Chapel Hill	21,219	14,031	3,802	39,052	350,855	350,959	116,163	286,679	2.47	467,018	676,690					
Downtown Durham	5,529	1,177	697	7,403	47,733	47,717	15,125	37,060	2.45	62,858	92,180					
RTP	1,009	1,316	758	3,083	177,684	177,698	42,071	103,957	2.47	219,755	284,738					
SW Durham	9,529	2,635	992	13,156	386,555	386,634	95,492	236,301	2.47	482,047	636,091					
Duke	26,071	13,586	6,356	46,013	368,862	368,857	110,416	273,697	2.48	479,278	688,567					

DCHC - LRTP MPO - Trips for Low Income TAZ

Area	Walk to Local Transit		Walk to Premium Transit		Drive to Transit		Total Trips		Drive Alone		HOV		Vehicle		Total	
	Transit	Transit	Transit	Transit	Transit	Transit	Trips	Trips	Vehicles	Persons	Vehicles	Persons	Occupancy	Trips	Person Trips	
Orange County	168	3,179	88	3,435	13,698	13,766	3,393	8,251	2.43	17,091	25,452					
Durham County	3,357	4,364	1,153	8,874	52,842	52,958	10,966	27,270	2.49	63,808	89,102					
Chatham County	1	1	1	3	203	210	124	311	2.51	327	524					
Granville County	0	0	0	0	0	0	0	0	0	0	0					
Chapel Hill	168	3,115	36	3,319	13,144	13,228	3,111	7,543	2.42	16,255	24,090					
Downtown Durham	99	7	1	107	585	581	88	271	3.08	673	959					
RTP	75	143	40	258	4,322	4,362	723	1,808	2.50	5,045	6,428					
SW Durham	4	0	0	4	28	31	13	25	1.92	41	60					
Duke	3,332	4,324	1,150	8,806	49,246	49,338	10,670	26,505	2.48	59,916	84,649					

Moderate Transit and Moderate Highway +1 & +2 with HOV

Measures	Orange County			Durham County			Chatham County			Granville County			DCHC MPO Totals			Downtown Durham			Total Districts		
	Count	Rate	%	Count	Rate	%	Count	Rate	%	Count	Rate	%	Count	Rate	%	Count	Rate	%	Count	Rate	%
AM PEAK VMT	1,562,147	3,877,224	542,399	249,451	6,231,221	492,734	14,486	509,464	1,156,050	458,941	2,631,675										
AM PEAK VHT	37,044	96,098	10,669	5,499	149,310	16,475	595	11,194	29,485	12,256	70,005										
PM PEAK VMT	1,635,478	3,870,720	512,545	271,598	6,290,341	492,478	16,150	511,654	1,132,422	472,860	2,625,564										
PM PEAK VHT	37,799	93,821	9,946	5,950	147,516	16,036	660	11,231	27,543	12,931	68,400										
Total Daily VMT	5,375,033	12,888,193	1,691,641	877,968	20,832,834	1,635,142	52,571	1,710,828	3,774,481	1,592,992	8,766,014										
Total Daily VHT	121,820	303,354	32,770	18,910	476,854	51,756	2,144	36,083	89,741	41,923	221,647										
Total Person Trips @	910,812	2,012,370	155,383	71,782	4,768,555	467,018	62,858	219,755	482,047	479,278	1,942										
Total Vehicle Trips	645,697	1,495,719	116,752	49,059	3,508,555	350,855	47,733	177,684	386,555	368,862	1,416										
Total SOV Trips	493,393	1,186,625	78,728	33,768	2,616,163	116,163	15,125	42,071	95,492	110,416	446										
Total Carpool Trips	152,304	309,094	38,024	15,291	1,116,163	21,219	5,529	1,009	9,529	26,071	107										
Total Transit- Bus trips *	21,253	34,255	354	0	17,833	1,874	2,074	3,627	19,942	19,942	107										
Total premium (rail) trips +	20,068	27,380	2,155	0	6,110	10,759	0	1,842	6,885	6,885	107										
Total Bike/ Pedestrian trips	6,110	10,759	0	0	1,45	1,47	1,32	1,32	1,44	1,44	107										
Average Vehicle Occupancy	1.41	1.35	1.33	1.46	39,052	7,403	3,083	13,156	46,013	46,013	107										
Total daily transit trips	41,321	61,635	2,509	0	0.42	0.50	0.29	0.36	0.48	0.48	107										
V/C ratio	0.43	0.52	0.28	0.39	0.58	0.35	0.54	0.53	0.54	0.51	107										
AM																					
PM																					
Average Highway Trip Length																					
Drive Alone Vehicle Trip - Time (Minutes)	15.2	14.6	23.3	22.3	18.8	13.7	11.7	15.7	13.4	10.6	13.0										
HOV Vehicle Trip - Time (Minutes)	16.0	18.0	24.3	27.1	21.4	14.3	15.2	19.0	15.9	15.2	15.9										
Commercial Vehicle Trip - Time (Minutes)	24.5	19.3	34.0	31.2	27.3	18.8	11.8	18.4	17.7	15.0	16.4										
Drive Alone Vehicle Trip - Distance (Miles)	13.5	13.5	16.5	16.6	15.0	13.4	12.2	14.8	12.9	10.9	12.9										
HOV Vehicle Trip - Distance (Miles)	11.2	12.7	15.1	18.5	14.4	10.7	10.9	13.0	11.5	11.0	11.4										
Commercial Vehicle Trip - Distance (Miles)	14.2	12.0	18.9	18.0	15.8	12.0	8.8	11.5	11.5	10.0	10.7										
Average Transit Travel Time - Minutes																					
Walk to Local (WL)	38.0	38.9	67.6	0.0	36.1	38.0	32.8	55.4	45.4	35.2	41.4										
Walk to Premium (WP)	64.3	65.0	61.9	0.0	47.8	64.1	75.2	53.8	57.7	63.2	62.8										
Drive to Transit (DR)	52.0	51.9	33.5	0.0	34.4	48.6	61.4	48.7	54.9	48.3	52.4										
Average Travel for Low Income																					
Walk to Local (WL)	1%	10%	0%	0%	11%	1%	2%	7%	0%	13%	23%										
Walk to Premium (WP)	21%	24%	0%	0%	45%	22%	1%	11%	0%	32%	65%										
Drive to Transit (DR)	2%	13%	0%	0%	15%	1%	0%	5%	0%	18%	24%										
Drive Alone Vehicle Trips	3%	4%	0%	0%	7%	4%	1%	2%	0%	13%	21%										
Drive Alone Person Trips	3%	4%	0%	0%	8%	4%	1%	2%	0%	13%	21%										
High Occupancy Vehicle Trips	2%	4%	0%	0%	6%	3%	1%	2%	0%	10%	15%										
High Occupancy Person Trips	2%	4%	0%	0%	6%	3%	1%	2%	0%	10%	15%										
CO ₂ , NO _x , & VOC emission	2%	4%	0%	0%	0%	3%	1%	2%	0%	10%	15%										

* - Only Walk to Local trips

+ - Walk to Premium and Drive to transit

@ - Include Drive Alone, HOV and Transit trips

Moderate Transit and Moderate Highway +1 & +2 with HOV

Daily	Average Speed By Facility Type										Districts Avg	
	Orange County	Durham County	Chatham County	Granville County	DCHC MPO Average	Chapel Hill	Durham	Downtown	RTP	SW Durham		Duke
Access Control Facility	60.7	49.6	65.1	53.6	52.9	37.0	0.0	0.0	53.1	49.9	50.1	49.5
Arterial	33.6	38.0	51.8	29.3	37.7	30.0	24.2	24.2	40.3	34.7	28.4	32.7
Collector	40.1	35.2	48.9	44.6	41.3	35.5	25.2	25.2	43.0	37.1	29.3	35.7
Local	36.1	33.8	44.9	46.1	35.2	30.1	27.6	27.6	40.9	33.6	27.7	32.0
Special Links	64.5	52.2	0.0	0.0	53.1	65.3	0.0	0.0	53.5	59.7	0.0	57.0
Ramps	61.7	59.3	0.0	55.1	59.5	66.1	0.0	0.0	61.7	61.7	55.2	59.9
Time of Day - AM												
Access Control Facility	59.7	46.7	65.2	53.7	50.5	35.9	0.0	0.0	51.5	45.7	48.4	46.5
Arterial	31.4	36.5	51.7	27.1	35.9	27.9	24.1	24.1	37.8	33.1	28.2	31.1
Collector	39.5	33.7	48.5	44.1	40.8	34.0	25.3	25.3	42.7	35.8	29.8	34.5
Local	36.3	31.8	44.7	45.7	33.8	30.2	26.6	26.6	37.4	31.0	27.7	30.6
Special Links	64.6	54.0	0.0	0.0	54.9	65.3	0.0	0.0	54.3	61.4	0.0	58.2
Ramps	61.6	59.2	0.0	55.0	59.4	66.1	0.0	0.0	61.3	61.9	55.1	59.8
Time of Day - PM												
Access Control Facility	60.1	48.1	64.9	52.1	51.8	34.5	0.0	0.0	50.7	49.4	48.2	48.2
Arterial	32.8	37.0	51.1	28.7	36.7	29.3	24.2	24.2	38.4	33.6	27.9	31.7
Collector	40.0	34.3	49.3	44.2	40.9	35.6	25.2	25.2	41.5	36.3	28.3	35.3
Local	35.7	33.9	45.0	46.6	35.1	29.4	27.6	27.6	40.8	33.4	27.0	31.6
Special Links	64.4	50.6	0.0	0.0	51.6	65.3	0.0	0.0	52.8	58.2	0.0	55.9
Ramps	61.9	59.3	0.0	55.1	59.5	66.1	0.0	0.0	61.8	61.7	55.2	59.9

38

Moderate Transit and Moderate Highway +1 & +2 with HOV

Time of Day - AM	Percent of VMT Experiencing Congestion By Facility Type										Total Districts	
	Orange County	Durham County	Chatham County	Granville County	DCHC MPO Total	Chapel Hill	Durham	Downtown	RTP	SW Durham		Duke
Access Control Facility	2.8%	35.5%	0.0%	36.1%	25.3%	26.6%	0.0%	0.0%	38.9%	36.2%	23.5%	33.2%
Arterial	24.1%	38.4%	0.6%	29.5%	31.7%	32.4%	3.5%	0.0%	33.5%	25.2%	24.9%	28.7%
Collector	10.5%	32.0%	6.5%	21.5%	16.3%	25.9%	0.0%	0.0%	0.0%	32.8%	0.0%	26.8%
Local	11.7%	29.1%	0.0%	37.5%	22.4%	27.6%	38.5%	34.7%	34.7%	38.3%	15.1%	33.2%
Special Links	0.0%	7.9%	0.0%	0.0%	7.2%	0.0%	0.0%	0.0%	7.2%	0.0%	0.0%	3.1%
Ramps	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Time of Day - PM												
Access Control Facility	2.6%	36.0%	0.0%	31.8%	24.7%	30.8%	0.0%	0.0%	34.5%	47.6%	10.5%	35.2%
Arterial	21.5%	30.9%	2.9%	27.3%	26.1%	28.4%	1.2%	0.0%	24.1%	15.3%	29.3%	23.0%
Collector	7.6%	29.5%	0.0%	16.6%	12.9%	18.5%	0.0%	0.0%	54.6%	20.1%	23.3%	20.1%
Local	10.9%	24.0%	0.0%	0.0%	18.8%	25.1%	32.9%	43.6%	43.6%	36.7%	23.2%	32.6%
Special Links	0.0%	15.4%	0.0%	0.0%	14.1%	0.0%	0.0%	18.4%	18.4%	0.0%	0.0%	7.5%
Ramps	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

COMPANY	HBW Transit Ridership				HBO and NHB Transit Ridership				Total Boardings
	Boardings	KMS	Miles	HOURS	Boardings	KMS	Miles	HOURS	
1 (TTA Bus)	17,364	214,240	133,900	8,128	8,906	106,593	66,621	4,529	26,270
2 (CAT)	30,072	118,476	74,048	5,184	28,642	125,262	78,289	5,480	58,714
3 (CHT)	7,035	23,067	14,417	1,034	25,308	109,199	68,249	4,922	32,343
4 (DATA)	27,770	104,102	65,064	4,919	26,138	119,793	74,871	5,309	53,908
5 (CAT Connector)	1,938	3,394	2,121	129	3,249	7,935	4,959	295	5,187
6 (NCSU)	7,214	7,904	4,940	233	16,142	29,795	18,622	845	23,356
7 (Duke)	99	158	99	6	135	290	181	10	234
8 (OPT)	2,923	41,214	25,759	1,443	865	9,648	6,030	394	3,788
9 (TTA Rail)	14,057	243,905	152,441	4,315	6,853	103,928	64,955	1,832	20,910
10 (Carry/Central Local Bus)	4,709	18,738	11,711	850	4,675	23,079	14,424	1,003	9,384
Totals	113,181	775,198	481,686	26,241	120,913	635,522	394,895	24,619	234,094
Mode 8 - Rail									
Route 1 (Phase I Rail)	4,874	89,815	56,134	1,508	2,034	33,781	21,113	562	6,908
Route 2 (Phase I Rail)	9,183	154,091	96,307	2,806	4,819	70,147	43,842	1,271	14,002
Total Rail Ridership	14,057	243,906	151,556	4,314	6,853	103,928	64,578	1,833	20,910

39

Moderate Transit and Moderate Highway +1 & +2 with HOV

Purpose	TRM - 2025 Model Regional Data							Total Person Trips		
	Walk to Local Transit	Walk to Premium Transit	Drive to Transit	Total Transit Trips	Drive Alone Vehicles	Drive Alone Persons	HOV Vehicles		HOV Persons	Vehicle Occupancy
HBW	28,069	18,286	12,288	58,643	1,233,516	1,233,643	71,999	154,591	2.15	1,305,515
HBO	38,745	5,931	6,223	50,899	1,264,687	1,265,293	597,298	1,493,246	2.50	1,861,985
NHB	21,927	3,499	3,639	29,065	1,357,493	1,357,868	338,514	846,285	2.50	1,696,007
Total	88,741	27,716	22,150	138,607	3,855,696	3,856,804	1,007,811	2,494,122	2.47	4,863,507

Area	DCHC - LRTP MPO							Total Person Trips		
	Walk to Local Transit	Walk to Premium Transit	Drive to Transit	Total Transit Trips	Drive Alone Vehicles	Drive Alone Persons	HOV Vehicles		HOV Persons	Vehicle Occupancy
Orange County	21,253	15,448	4,620	41,321	493,393	493,523	152,304	375,968	2.47	645,697
Durham County	34,255	18,412	8,968	61,635	1,186,625	1,186,906	309,094	763,829	2.47	1,495,719
Chatham County	354	313	1,842	2,509	78,728	78,795	29,915	74,079	2.48	108,643
Granville County	0	0	0	0	33,768	33,758	15,291	38,024	2.49	49,059
Chapel Hill	21,219	14,031	3,802	39,052	350,855	350,959	116,163	286,679	2.47	467,018
Downtown Durham	5,529	1,177	697	7,403	47,733	47,717	15,125	37,060	2.45	62,858
RTP	1,009	1,316	758	3,083	177,684	177,698	42,071	103,957	2.47	219,755
SW Durham	9,529	2,635	992	13,156	386,555	386,634	95,492	236,301	2.47	482,047
Duke	26,071	13,586	6,356	46,013	368,862	368,857	110,416	273,697	2.48	479,278

Area	DCHC - LRTP MPO - Trips for Low Income TAZ							Total Person Trips		
	Walk to Local Transit	Walk to Premium Transit	Drive to Transit	Total Transit Trips	Drive Alone Vehicles	Drive Alone Persons	HOV Vehicles		HOV Persons	Vehicle Occupancy
Orange County	168	3,179	88	3,435	13,698	13,766	3,393	8,251	2.43	17,091
Durham County	3,357	4,364	1,153	8,874	52,842	52,958	10,966	27,270	2.49	63,808
Chatham County	1	1	1	3	203	210	124	311	2.51	327
Granville County	0	0	0	0	0	0	0	0	0	0
Chapel Hill	168	3,115	36	3,319	13,144	13,228	3,111	7,543	2.42	16,255
Downtown Durham	99	7	1	107	585	581	88	271	3.08	673
RTP	75	143	40	258	4,322	4,362	723	1,808	2.50	5,045
SW Durham	4	0	0	4	28	31	13	25	1.92	41
Duke	3,332	4,324	1,150	8,806	49,246	49,338	10,670	26,505	2.48	59,916

Moderate Transit and Moderate Highway +1 & +2 with HOV

Measures	Orange County		Durham County		Chatham County		Granville County		DCHC MPO Totals		Downtown		Duke		Total Districts
	County	County	County	County	County	County	County	County	Chapel Hill	Durham	RTP	SW Durham	Duke	Districts	
AM PEAK VMT	1,562,147	3,877,224	542,399	249,451	6,231,221	492,734	14,486	509,464	1,156,050	458,941	2,631,675				
AM PEAK VHT	37,044	96,098	10,669	5,499	149,310	16,475	595	11,194	29,485	12,256	70,005				
PM PEAK VMT	1,635,478	3,870,720	512,545	271,598	6,290,341	492,478	16,150	511,654	1,132,422	472,860	2,625,564				
PM PEAK VHT	37,799	93,821	9,946	5,950	147,516	16,036	660	11,231	27,543	12,931	68,400				
Total Daily VMT	5,375,033	12,888,193	1,691,641	877,968	20,832,834	1,635,142	52,571	1,710,828	3,774,481	1,592,992	8,766,014				
Total Daily VHT	121,820	303,354	32,770	18,910	476,854	51,756	2,144	36,083	89,741	41,923	221,647				
Total Person Trips @	910,812	2,012,370	155,383	71,782		676,690	92,180	284,738	636,091	688,567					
Total Vehicle Trips	645,697	1,495,719	116,752	49,059		467,018	62,858	219,755	482,047	479,278					
Total SOV Trips	493,393	1,186,625	78,728	33,768		350,855	47,733	177,684	386,555	368,862					
Total Carpool Trips	152,304	309,094	38,024	15,291		116,163	15,125	42,071	95,492	110,416					
Total Transit- Bus trips *	21,253	34,255	354	0		21,219	5,529	1,009	9,529	26,071					
Total premium (rail) trips +	20,068	27,380	2,155	0		17,833	1,874	2,074	3,627	19,942					
Total Bike/ Pedestrian trips	6,110	10,759	0	0		6,110	1,288	797	1,842	6,885					
Average Vehicle Occupancy	1.41	1.35	1.33	1.46		1.45	1.47	1.30	1.32	1.44					
Total daily transit trips	41,321	61,635	2,509	0		39,052	7,403	3,083	13,156	46,013					
V/C ratio															
AM	0.42	0.50	0.29	0.36		0.58	0.35	0.54	0.53	0.48					
PM	0.43	0.52	0.28	0.39		0.59	0.38	0.56	0.54	0.51					
Average Highway Trip Length															
Drive Alone Vehicle Trip - Time (Minutes)	15.2	14.6	23.3	22.3	18.8	13.7	11.7	15.7	13.4	10.6	13.0				
HOV Vehicle Trip - Time (Minutes)	16.0	18.0	24.3	27.1	21.4	14.3	15.2	19.0	15.9	15.2	15.9				
Commercial Vehicle Trip - Time (Minutes)	24.5	19.3	34.0	31.2	27.3	18.8	11.8	18.4	17.7	15.0	16.4				
Drive Alone Vehicle Trip - Distance (Miles)	13.5	13.5	16.5	16.6	15.0	13.4	12.2	14.8	12.9	10.9	12.9				
HOV Vehicle Trip - Distance (Miles)	11.2	12.7	15.1	18.5	14.4	10.7	10.9	13.0	11.5	11.0	11.4				
Commercial Vehicle Trip - Distance (Miles)	14.2	12.0	18.9	18.0	15.8	12.0	8.8	11.5	11.5	10.0	10.7				
Average Transit Travel Time - Minutes															
Walk to Local (WL)	38.0	38.9	67.6	0.0	36.1	38.0	32.8	55.4	45.4	35.2	41.4				
Walk to Premium (WP)	64.3	65.0	61.9	0.0	47.8	64.1	75.2	53.8	57.7	63.2	62.8				
Drive to Transit (DR)	52.0	51.9	33.5	0.0	34.4	48.6	61.4	48.7	54.9	48.3	52.4				
Average Travel for Low Income															
Walk to Local (WL)	1%	10%	0%	0%	11%	1%	2%	7%	0%	13%	23%				
Walk to Premium (WP)	21%	24%	0%	0%	45%	22%	1%	11%	0%	32%	65%				
Drive to Transit (DR)	2%	13%	0%	0%	15%	1%	0%	5%	0%	18%	24%				
Drive Alone Vehicle Trips	3%	4%	0%	0%	7%	4%	1%	2%	0%	13%	21%				
Drive Alone Person Trips	3%	4%	0%	0%	8%	4%	1%	2%	0%	13%	21%				
High Occupancy Vehicle Trips	2%	4%	0%	0%	6%	3%	1%	2%	0%	10%	15%				
High Occupancy Person Trips	2%	4%	0%	0%	6%	3%	1%	2%	0%	10%	15%				
CO ₂ , NO _x , & VOC emission	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%				

* - Only Walk to Local trips

+ - Walk to Premium and Drive to transit

@ - Include Drive Alone, HOV and Transit trips

Moderate Transit and Moderate Highway +1 & +2 with HOV

Daily	Average Speed By Facility Type										Districts Avg	
	Orange County	Durham County	Chatham County	Granville County	DCHC MPO Average	Chapel Hill	Durham	Downtown Durham	RTP	SW Durham		Duke
Access Control Facility	60.7	49.6	65.1	53.6	52.9	37.0	0.0	0.0	53.1	49.9	50.1	49.5
Arterial	33.6	38.0	51.8	29.3	37.7	30.0	24.2	40.3	40.3	34.7	28.4	32.7
Collector	40.1	35.2	48.9	44.6	41.3	35.5	25.2	43.0	43.0	37.1	29.3	35.7
Local	36.1	33.8	44.9	46.1	35.2	30.1	27.6	40.9	40.9	33.6	27.7	32.0
Special Links	64.5	52.2	0.0	0.0	53.1	65.3	0.0	53.5	53.5	59.7	0.0	57.0
Ramps	61.7	59.3	0.0	55.1	59.5	66.1	0.0	61.7	61.7	61.7	55.2	59.9
Time of Day - AM												
Access Control Facility	59.7	46.7	65.2	53.7	50.5	35.9	0.0	0.0	51.5	45.7	48.4	46.5
Arterial	31.4	36.5	51.7	27.1	35.9	27.9	24.1	33.1	37.8	33.1	28.2	31.1
Collector	39.5	33.7	48.5	44.1	40.8	34.0	25.3	42.7	42.7	35.8	29.8	34.5
Local	36.3	31.8	44.7	45.7	33.8	30.2	26.6	37.4	37.4	31.0	27.7	30.6
Special Links	64.6	54.0	0.0	0.0	54.9	65.3	0.0	54.3	54.3	61.4	0.0	58.2
Ramps	61.6	59.2	0.0	55.0	59.4	66.1	0.0	61.3	61.3	61.9	55.1	59.8
Time of Day - PM												
Access Control Facility	60.1	48.1	64.9	52.1	51.8	34.5	0.0	0.0	50.7	49.4	48.2	48.2
Arterial	32.8	37.0	51.1	28.7	36.7	29.3	24.2	38.4	38.4	33.6	27.9	31.7
Collector	40.0	34.3	49.3	44.2	40.9	35.6	25.2	41.5	41.5	36.3	28.3	35.3
Local	35.7	33.9	45.0	46.6	35.1	29.4	27.6	40.8	40.8	33.4	27.0	31.6
Special Links	64.4	50.6	0.0	0.0	51.6	65.3	0.0	52.8	52.8	58.2	0.0	55.9
Ramps	61.9	59.3	0.0	55.1	59.5	66.1	0.0	61.8	61.8	61.7	55.2	59.9

42

Moderate Transit and Moderate Highway +1 & +2 with HOV

Time of Day - AM	Percent of VMT Experiencing Congestion By Facility Type										Total Districts
	Orange County	Durham County	Chatham County	Granville County	Total	Chapel Hill	Durham	RTP	SW Durham	Duke	
Access Control Facility	2.8%	35.5%	0.0%	36.1%	25.3%	26.6%	0.0%	38.9%	36.2%	23.5%	33.2%
Arterial	24.1%	38.4%	0.6%	29.5%	31.7%	32.4%	3.5%	33.5%	25.2%	24.9%	28.7%
Collector	10.5%	32.0%	6.5%	21.5%	16.3%	25.9%	0.0%	0.0%	32.8%	0.0%	26.8%
Local	11.7%	29.1%	0.0%	37.5%	22.4%	27.6%	38.5%	34.7%	38.3%	15.1%	33.2%
Special Links	0.0%	7.9%	0.0%	0.0%	7.2%	0.0%	0.0%	7.2%	0.0%	0.0%	3.1%
Ramps	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Time of Day - PM											
Access Control Facility	2.6%	36.0%	0.0%	31.8%	24.7%	30.8%	0.0%	34.5%	47.6%	10.5%	35.2%
Arterial	21.5%	30.9%	2.9%	27.3%	26.1%	28.4%	1.2%	24.1%	15.3%	29.3%	23.0%
Collector	7.6%	29.5%	0.0%	16.6%	12.9%	18.5%	0.0%	54.6%	20.1%	23.3%	20.1%
Local	10.9%	24.0%	0.0%	0.0%	18.8%	25.1%	32.9%	43.6%	36.7%	23.2%	32.6%
Special Links	0.0%	15.4%	0.0%	0.0%	14.1%	0.0%	0.0%	18.4%	0.0%	0.0%	7.5%
Ramps	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

43

COMPANY	HBW Transit Ridership				HBO and NHB Transit Ridership				Total Boardings
	Boardings	KMS	Miles	HOURS	Boardings	KMS	Miles	HOURS	
1 (TTA Bus)	17,364	214,240	133,900	8,128	8,906	106,593	66,621	4,529	26,270
2 (CAT)	30,072	118,476	74,048	5,184	28,642	125,262	78,289	5,480	58,714
3 (CHT)	7,035	23,067	14,417	1,034	25,308	109,199	68,249	4,922	32,343
4 (DATA)	27,770	104,102	65,064	4,919	26,138	119,793	74,871	5,309	53,908
5 (CAT Connector)	1,938	3,394	2,121	129	3,249	7,935	4,959	295	5,187
6 (NCSU)	7,214	7,904	4,940	233	16,142	29,795	18,622	845	23,356
7 (Duke)	99	158	99	6	135	290	181	10	234
8 (OPT)	2,923	41,214	25,759	1,443	865	9,648	6,030	394	3,788
9 (TTA Rail)	14,057	243,905	152,441	4,315	6,853	103,928	64,955	1,832	20,910
10 (Cary/Central Local Bus)	4,709	18,738	11,711	850	4,675	23,079	14,424	1,003	9,384
Totals	113,181	775,198	481,686	26,241	120,913	635,522	394,895	24,619	234,094
Mode 8 - Rail									
Route 1 (Phase I Rail)	4,874	89,815	56,134	1,508	2,034	33,781	21,113	562	6,908
Route 2 (Phase I Rail)	9,183	154,091	96,307	2,806	4,819	70,147	43,842	1,271	14,002
Total Rail Transit Ridership	14,057	243,906	151,556	4,314	6,853	103,928	64,578	1,833	20,910

Intensive Transit w/ Intensive Fixed Guideway and moderate Highway without HOV

Purpose	TRM - 2025 Model Regional Data						Total Person Trips		
	Walk to Local Transit	Walk to Premium Transit	Drive to Transit	Total Transit Trips	Drive Alone Vehicles	Drive Alone Persons			
HBW	57,423	16,119	10,948	84,490	1,222,037	1,222,160	139,723	1,287,388	1,446,373
HBO	39,208	6,214	6,164	51,586	1,260,437	1,261,039	1,496,878	1,859,188	2,809,503
NHB	21,929	4,222	3,770	29,921	1,355,742	1,356,113	847,488	1,694,737	2,233,522
Total	118,560	26,555	20,882	165,997	3,838,216	3,839,312	2,484,089	4,841,313	6,489,398

Area	DCHC - LRTP MPO						Total Person Trips		
	Walk to Local Transit	Walk to Premium Transit	Drive to Transit	Total Transit Trips	Drive Alone Vehicles	Drive Alone Persons			
Orange County	32,919	13,908	4,549	51,376	482,615	482,716	371,282	632,670	905,374
Durham County	47,502	16,179	7,918	71,599	1,172,726	1,172,964	763,311	1,481,189	2,007,874
Chatham County	353	303	1,852	2,508	78,539	78,534	74,210	108,458	155,252
Granville County	0	0	0	0	33,856	33,888	37,938	49,154	71,826
Chapel Hill	32,886	12,754	3,910	49,550	339,459	339,480	281,944	453,362	670,974
Downtown Durham	7,754	1,076	669	9,499	45,686	45,794	37,099	60,659	92,392
RTP	1,543	1,685	883	4,111	177,431	177,397	103,452	219,212	284,960
SW Durham	10,511	2,719	1,042	14,272	384,126	384,205	237,045	479,910	635,522
Duke	37,513	11,655	4,942	54,110	357,930	357,975	272,506	467,764	684,591

Area	DCHC - LRTP MPO - Trips for Low Income TAZ						Total Person Trips		
	Walk to Local Transit	Walk to Premium Transit	Drive to Transit	Total Transit Trips	Drive Alone Vehicles	Drive Alone Persons			
Orange County	1,451	1,436	57	2,944	12,770	12,714	7,099	15,677	22,757
Durham County	9,608	2,877	864	13,349	50,570	50,614	23,244	59,947	87,207
Chatham County	3	1	0	4	207	201	293	324	498
Granville County	0	0	0	0	0	0	0	0	0
Chapel Hill	1,451	1,377	9	2,837	12,201	12,137	6,416	14,831	21,390
Downtown Durham	185	5	1	191	552	567	226	645	984
RTP	141	202	38	381	3,895	3,876	1,833	4,631	6,090
SW Durham	8	0	0	8	18	24	22	24	54
Duke	9,563	2,851	858	13,272	47,481	47,510	22,506	56,550	83,288

Intensive Transit w/ Intensive Fixed Guideway and moderate Highway without HOV

Measures	Orange County				Durham County				Chatham County				Granville County				DCHC MPO Totals				Downtown				Total Districts		
	1,521,817	35,208	1,618,312	37,577	3,712,504	98,658	3,826,285	99,602	555,795	11,141	524,985	10,217	1,717,605	881,514	19,030	6,041,021	150,563	6,242,684	153,389	20,595,748	485,631	Chapel Hill	Durham	RTP	SW Durham	Duke	Total
AM PEAK VMT	1,521,817	35,208	1,618,312	37,577	3,712,504	98,658	3,826,285	99,602	555,795	11,141	524,985	10,217	1,717,605	881,514	19,030	6,041,021	150,563	6,242,684	153,389	20,595,748	485,631	482,502	15,038	465,943	1,134,739	421,990	2,520,213
AM PEAK VHT	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	35,208	15,594	618	10,468	29,877	11,996	68,553
PM PEAK VMT	1,618,312	37,577	1,618,312	37,577	3,826,285	99,602	3,826,285	10,217	524,985	11,141	524,985	10,217	1,717,605	881,514	19,030	6,242,684	153,389	6,242,684	153,389	20,595,748	485,631	493,082	18,646	497,883	1,148,805	455,152	2,613,568
PM PEAK VHT	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	37,577	16,293	771	12,281	28,839	13,669	71,853
Total Daily VMT	5,312,991	119,837	5,312,991	119,837	12,683,638	313,277	12,683,638	1,717,605	33,488	1,717,605	33,488	1,717,605	881,514	19,030	20,595,748	485,631	20,595,748	485,631	20,595,748	485,631	51,530	56,748	1,671,954	3,815,689	1,519,862	8,694,866	
Total Daily VHT	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	119,837	51,530	2,332	36,717	91,428	42,856	224,864	
Total Person Trips @	905,374	905,374	905,374	905,374	2,007,874	155,252	2,007,874	155,252	71,826	2,007,874	155,252	71,826	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	670,974	92,392	284,960	635,522	684,591	684,591	2,244,864
Total Vehicle Trips	632,670	632,670	632,670	632,670	1,481,189	108,458	1,481,189	108,458	49,154	1,481,189	108,458	49,154	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	453,362	60,659	219,212	479,910	467,764	467,764	1,520,213
Total SOV Trips	482,615	482,615	482,615	482,615	1,172,726	78,539	1,172,726	78,539	33,856	1,172,726	78,539	33,856	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	339,459	45,686	177,431	384,126	357,930	357,930	1,148,805
Total Carpool Trips	150,055	150,055	150,055	150,055	308,463	29,919	308,463	29,919	15,298	308,463	29,919	15,298	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	113,903	14,973	41,781	95,784	109,834	109,834	2,613,568
Total Transit- Bus trips *	32,919	32,919	32,919	32,919	47,502	353	47,502	353	0	47,502	353	0	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	32,886	7,754	1,543	10,511	37,513	37,513	71,853
Total premium (rail) trips +	18,457	18,457	18,457	18,457	24,097	2,155	24,097	2,155	0	24,097	2,155	0	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	16,664	1,745	2,568	3,761	16,597	16,597	1,519,862
Total Bike/ Pedestrian trips	6,109	6,109	6,109	6,109	10,718	0	10,718	0	0	10,718	0	0	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	6,109	1,263	779	1,795	6,922	6,922	13,669
Average Vehicle Occupancy	1.43	1.43	1.43	1.43	1.36	1.43	1.43	1.46	1.46	1.36	1.43	1.46	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	1.48	1.52	1.30	1.32	1.46	1.46	1,519,862
Total daily transit trips	51,376	51,376	51,376	51,376	71,599	2,508	71,599	2,508	0	71,599	2,508	0	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	49,550	9,499	4,111	14,272	54,110	54,110	1,519,862
V/C ratio	0.44	0.44	0.44	0.44	0.55	0.31	0.55	0.37	0.37	0.55	0.31	0.37	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	0.58	0.35	0.68	0.57	0.52	0.52	1,519,862
AM	0.44	0.44	0.44	0.44	0.55	0.31	0.55	0.37	0.37	0.55	0.31	0.37	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	0.61	0.43	0.74	0.59	0.58	0.58	1,519,862
PM	0.47	0.47	0.47	0.47	0.58	0.30	0.58	0.39	0.39	0.58	0.30	0.39	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	0.58	0.43	0.74	0.59	0.58	0.58	1,519,862
Average Highway Trip Length	15.2	15.2	15.2	15.2	14.8	23.7	14.8	23.7	22.5	14.8	23.7	22.5	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	19.1	11.6	16.3	13.7	10.7	10.7	13.2
Drive Alone Vehicle Trip - Time (Minutes)	15.9	15.9	15.9	15.9	17.9	24.4	17.9	24.4	27.0	17.9	24.4	27.0	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	21.3	15.0	18.5	15.6	15.3	15.3	15.7
HOV Vehicle Trip - Time (Minutes)	24.4	24.4	24.4	24.4	21.3	35.0	21.3	35.0	28.5	21.3	35.0	28.5	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	27.3	13.4	19.8	20.3	16.7	16.7	18.0
Commercial Vehicle Trip - Time (Minutes)	13.7	13.7	13.7	13.7	14.3	17.3	14.3	17.3	16.9	14.3	17.3	16.9	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	15.6	12.7	16.0	13.6	11.4	11.4	13.5
Drive Alone Vehicle Trip - Distance (Miles)	12.2	12.2	12.2	12.2	14.5	16.7	14.5	16.7	19.1	14.5	16.7	19.1	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	15.6	11.8	15.7	13.0	12.5	12.5	13.1
HOV Vehicle Trip - Distance (Miles)	13.9	13.9	13.9	13.9	12.5	19.4	12.5	19.4	16.6	12.5	19.4	16.6	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	15.6	12.2	11.7	12.2	10.5	10.5	11.2
Commercial Vehicle Trip - Distance (Miles)	14.0	14.0	14.0	14.0	15.1	2.2	15.1	2.2	0.0	15.1	2.2	0.0	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	7.8	13.3	23.8	14.3	14.0	14.0	15.9
Average Transit Travel Time - Minutes	49.3	49.3	49.3	49.3	54.1	63.5	54.1	63.5	0.0	54.1	63.5	0.0	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	41.7	61.2	49.0	51.0	51.0	51.0	51.9
Walk to Local (WL)	38.2	38.2	38.2	38.2	52.6	6.2	52.6	6.2	0.0	52.6	6.2	0.0	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	24.2	55.2	48.0	54.4	45.1	45.1	49.4
Walk to Premium (WP)	4%	4%	4%	4%	20%	1%	20%	1%	0%	20%	1%	0%	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	25%	2%	9%	0%	25%	25%	42%
Drive to Transit (DR)	10%	10%	10%	10%	18%	0%	18%	0%	0%	18%	0%	0%	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	28%	0%	12%	0%	24%	24%	48%
Drive Alone Vehicle Trips	3%	3%	3%	3%	4%	0%	4%	0%	0%	4%	0%	0%	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	12%	0%	4%	0%	17%	17%	22%
Drive Alone Person Trips	3%	3%	3%	3%	4%	0%	4%	0%	0%	4%	0%	0%	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	7%	1%	2%	0%	13%	13%	20%
High Occupancy Vehicle Trips	2%	2%	2%	2%	3%	0%	3%	0%	0%	3%	0%	0%	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	7%	1%	2%	0%	13%	13%	20%
High Occupancy Person Trips	2%	2%	2%	2%	3%	0%	3%	0%	0%	3%	0%	0%	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	5%	1%	2%	0%	8%	8%	13%
CO, NOX, & VOC emission	2%	2%	2%	2%	3%	0%	3%	0%	0%	3%	0%	0%	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	5%	1%	2%	0%	8%	8%	13%
									0%			0%	1,717,605	881,514	19,030	485,631	485,631	485,631	485,631	485,631	0%	1%	2%	0%	8%	8%	0%

* - Only Walk to Local trips
 + - Walk to Premium and Drive to transit
 @ - Include Drive Alone, HOV and Transit trips

Intensive Transit w/ Intensive Fixed Guideway and moderate Highway without HOV

Daily	Average Speed By Facility Type												Districts Avg
	Orange County	Durham County	Chatham County	Granville County	DCHC MPO Average	Chapel Hill	Durham	Downtown Durham	RTP	SW Durham	Duke		
Access Control Facility	58.7	47.7	65.2	53.8	51.1	33.7	0.0	0.0	50.6	50.6	46.6	48.3	
Arterial	35.1	36.0	51.7	29.2	36.7	30.6	24.0	34.4	37.4	34.4	27.9	32.1	
Collector	40.4	35.3	48.3	44.4	41.3	35.6	25.2	38.1	40.1	38.1	29.4	36.1	
Local	35.8	32.8	45.1	45.9	34.3	30.1	27.7	32.4	38.8	32.4	27.4	31.3	
Special Links	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Ramps	61.7	59.6	0.0	55.1	59.8	66.1	0.0	61.6	61.6	61.6	55.2	59.7	
Time of Day - AM													
Access Control Facility	58.9	43.9	65.3	53.9	48.2	37.2	0.0	45.2	50.5	45.2	46.4	45.9	
Arterial	33.7	33.9	51.6	27.0	34.8	29.1	24.1	32.3	36.2	32.3	27.6	30.8	
Collector	40.0	33.3	46.8	43.8	40.3	34.1	25.2	36.1	40.2	36.1	29.8	34.7	
Local	35.5	31.1	44.5	45.4	33.0	29.5	27.1	30.0	38.7	30.0	27.7	29.8	
Special Links	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Ramps	61.6	59.6	0.0	55.0	59.7	66.1	0.0	61.7	61.2	61.7	55.1	59.6	
Time of Day - PM													
Access Control Facility	57.3	44.9	64.9	52.5	48.8	28.9	0.0	49.3	45.0	49.3	43.2	45.1	
Arterial	33.8	34.6	50.9	28.7	35.4	29.7	23.9	33.0	33.9	33.0	27.1	30.7	
Collector	40.3	34.4	49.3	44.0	41.0	35.7	25.2	36.5	36.8	36.5	28.4	35.5	
Local	35.5	32.1	45.3	46.7	33.6	29.6	27.0	31.7	34.1	31.7	26.6	30.5	
Special Links	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Ramps	61.9	59.8	0.0	55.1	59.9	66.1	0.0	61.7	62.0	61.7	55.2	60.0	

46

Intensive Transit with Fixed Guideway & Express in CHT and Moderate Highway with HOV

Purpose	TRM - 2025 Model Regional Data										
	Walk to Local Transit	Walk to Premium Transit	Drive to Transit	Total Transit Trips	Drive Alone Vehicles	Drive Alone Persons	HOV Vehicles	HOV Persons	Vehicle Occupancy	Total Vehicle Trips	Total Person Trips
HBW	56,180	17,036	10,746	83,962	1,217,131	1,217,253	67,880	145,172	2.14	1,285,011	1,446,387
HBO	38,354	7,028	6,323	51,705	1,260,840	1,261,442	598,544	1,496,359	2.50	1,859,384	2,809,506
NHB	21,311	4,961	3,835	30,107	1,355,452	1,355,822	339,037	847,592	2.50	1,694,489	2,233,521
Total	115,845	29,025	20,904	165,774	3,833,423	3,834,517	1,005,461	2,489,123	2.48	4,838,884	6,489,414

Area	DCHC - LRTP MPO										
	Walk to Local Transit	Walk to Premium Transit	Drive to Transit	Total Transit Trips	Drive Alone Vehicles	Drive Alone Persons	HOV Vehicles	HOV Persons	Vehicle Occupancy	Total Vehicle Trips	Total Person Trips
Orange County	30,594	16,467	4,818	51,879	481,902	482,101	150,593	372,314	2.47	632,495	906,294
Durham County	47,297	15,927	8,037	71,261	1,173,653	1,173,748	310,005	766,711	2.47	1,483,658	2,011,720
Chatham County	340	309	1,928	2,577	78,351	78,431	30,039	74,356	2.48	108,390	155,364
Granville County	0	0	0	0	33,792	33,815	15,246	37,974	2.49	49,038	71,789
Chapel Hill	30,563	15,358	4,172	50,093	338,727	338,839	114,176	282,453	2.47	452,903	671,385
Downtown Durham	7,725	988	680	9,393	45,909	45,892	15,062	37,194	2.47	60,971	92,479
RTP	1,502	1,641	863	4,006	176,946	176,937	42,077	104,128	2.47	219,023	285,071
SW Durham	10,423	2,763	1,013	14,199	383,994	383,959	96,422	238,327	2.47	480,416	636,485
Duke	37,469	11,496	5,042	54,007	358,053	358,126	110,030	273,222	2.48	468,083	685,355

Area	DCHC - LRTP MPO - Trips for Low Income TAZ										
	Walk to Local Transit	Walk to Premium Transit	Drive to Transit	Total Transit Trips	Drive Alone Vehicles	Drive Alone Persons	HOV Vehicles	HOV Persons	Vehicle Occupancy	Total Vehicle Trips	Total Person Trips
Orange County	1,433	1,338	64	2,835	12,699	12,651	2,828	7,045	2.49	15,527	22,531
Durham County	9,679	2,756	863	13,298	50,593	50,654	9,349	23,210	2.48	59,942	87,162
Chatham County	2	4	4	10	192	198	120	293	2.44	312	501
Granville County	0	0	0	0	0	0	0	0	0.00	0	0
Chapel Hill	1,433	1,282	19	2,734	12,127	12,093	6,348	7,055	1.11	18,475	21,882
Downtown Durham	167	5	1	173	545	553	233	233	1.00	778	959
RTP	129	210	42	381	3,824	3,810	1,831	1,871	1.02	5,655	6,062
SW Durham	6	0	1	7	20	25	25	24	0.96	45	56
Duke	9,652	2,736	860	13,248	47,566	47,619	22,493	25,341	1.13	70,059	86,208

Intensive Transit with Fixed Guideway & Express in CHT and Moderate Highway with HOV

Measures	Orange County		Durham County		Chatham County		Granville County		DCHC MPO Totals		Downtown			Total Districts		
											Chapel Hill	Durham	RTP	SW Durham	Duke	
AM PEAK VMT	1,530,197	3,755,786	540,070	251,007	5,567	272,641	6,077,060	482,174	15,114	490,777	1,143,924	422,581	2,554,570			
AM PEAK VHT	35,443	94,718	10,730	5,567	146,458	15,781	621	27,915	11,978	66,937						
PM PEAK VMT	1,624,531	3,846,576	513,647	272,641	6,257,395	490,130	18,436	1,156,681	450,543	2,633,837						
PM PEAK VHT	37,444	96,575	9,981	5,978	149,977	16,109	760	27,608	13,393	70,103						
Total Daily VMT	5,327,466	12,760,121	1,691,088	880,090	20,658,765	1,627,945	56,592	3,834,993	1,516,579	8,756,162						
Total Daily VHT	120,074	306,745	32,850	18,998	478,668	51,643	2,322	36,954	42,594	221,820						
Total Person Trips @	906,294	2,011,720	155,364	71,789		671,385	92,479	285,071	636,485							
Total Vehicle Trips	632,495	1,483,658	116,325	49,038		452,903	60,971	219,023	480,416							
Total SOV Trips	481,902	1,173,653	78,351	33,792		338,727	45,909	176,946	383,994							
Total Carpool Trips	150,593	310,005	37,974	15,246		114,176	15,062	42,077	96,422							
Total Transit- Bus trips *	30,594	47,297	340	0		30,563	7,725	1,502	37,469							
Total premium (rail) trips +	21,285	23,964	2,237	0		19,530	1,668	2,504	16,538							
Total Bike/ Pedestrian trips																
Average Vehicle Occupancy	1.43	1.36	1.34	1.46		1.48	1.52	1.30	1.32	1.46						
Total daily transit trips	51,879	71,261	2,577	0		50,093	9,393	4,006	14,199	54,007						
V/C ratio	0.42	0.53	0.30	0.37		0.57	0.36	0.54	0.54	0.51						
AM	0.45	0.56	0.29	0.39		0.60	0.43	0.59	0.56	0.57						
PM																
Average Highway Trip Length																
Drive Alone Vehicle Trip - Time (Minutes)	14.9	14.5	23.5	22.1	18.8	13.2	11.4	16.0	13.4	10.3						
HOV Vehicle Trip - Time (Minutes)	16.3	18.4	24.7	27.1	21.6	14.5	15.4	19.4	16.3	15.6						
Commercial Vehicle Trip - Time (Minutes)	24.4	21.3	35.0	28.6	27.3	19.9	13.4	19.9	20.3	16.6						
Drive Alone Vehicle Trip - Distance (Miles)	13.4	13.9	16.9	16.6	15.2	13.3	12.5	15.3	13.2	11.2						
HOV Vehicle Trip - Distance (Miles)	11.5	13.3	15.7	19.0	14.9	11.0	11.4	13.6	12.0	11.5						
Commercial Vehicle Trip - Distance (Miles)	14.0	12.5	19.4	16.7	15.6	12.2	9.2	11.7	12.2	10.4						
Average Transit Travel Time - Minutes																
Walk to Local (WL)	32.9	33.6	68.2	0.0	33.7	32.9	31.6	55.0	40.0	30.0						
Walk to Premium (WP)	20.6	20.3	59.3	0.0	25.1	18.7	21.2	22.5	24.4	18.5						
Drive to Transit (DR)	44.7	49.4	30.5	0.0	31.1	40.6	56.4	47.5	53.9	44.8						
Average Travel for Low Income																
Walk to Local (WL)	5%	20%	1%	0%	26%	5%	2%	9%	0%	26%						
Walk to Premium (WP)	8%	17%	1%	0%	27%	8%	1%	13%	0%	24%						
Drive to Transit (DR)	1%	11%	0%	0%	12%	0%	0%	5%	0%	17%						
Drive Alone Vehicle Trips	3%	4%	0%	0%	7%	4%	1%	2%	0%	13%						
Drive Alone Person Trips	3%	4%	0%	0%	7%	4%	1%	2%	0%	13%						
High Occupancy Vehicle Trips	2%	3%	0%	0%	5%	6%	2%	4%	0%	20%						
High Occupancy Person Trips	2%	3%	0%	0%	5%	2%	1%	2%	0%	9%						
CO, NOX, & VOC emission				0%	0%					0%						

* - Only Walk to Local trips

+ - Walk to Premium and Drive to transit

@ - Include Drive Alone, HOV and Transit trips

Intensive Transit with Fixed Guideway & Express in CHT and Moderate Highway with HOV

Daily	Average Speed By Facility Type										Districts Avg	
	Orange County	Durham County	Chatham County	Granville County	DCHC MPO Average	Chapel Hill	Durham	Downtown	RTP	SW Durham		Duke
Access Control Facility	58.4	49.1	65.1	53.6	52.0	31.8	0.0	0.0	50.3	53.1	46.2	48.9
Arterial	35.1	36.7	51.8	29.3	37.2	30.8	24.0	24.0	38.9	35.2	28.2	32.6
Collector	40.5	35.5	48.5	44.4	41.4	35.7	25.2	25.2	41.0	38.2	29.3	36.2
Local	36.0	33.3	45.2	46.0	34.7	30.3	27.8	27.8	39.3	32.8	27.4	31.5
Special Links	64.3	56.1	0.0	0.0	57.6	64.2	0.0	0.0	57.6	59.7	0.0	59.0
Ramps	61.7	59.7	0.0	55.1	59.8	66.1	0.0	0.0	61.8	61.6	55.2	59.8
Time of Day - AM												
Access Control Facility	57.6	47.6	65.2	53.9	50.8	32.1	0.0	0.0	53.1	49.9	45.5	47.8
Arterial	33.8	34.9	51.5	27.1	35.5	29.3	24.1	24.1	35.9	33.8	28.0	31.3
Collector	40.2	33.4	47.5	43.5	40.5	34.6	25.2	25.2	40.3	36.4	29.8	35.0
Local	35.9	31.4	44.6	45.5	33.3	30.0	27.5	27.5	34.7	30.6	27.5	30.1
Special Links	64.1	58.4	0.0	0.0	59.3	63.7	0.0	0.0	59.6	61.8	0.0	61.0
Ramps	61.6	59.7	0.0	55.0	59.8	66.1	0.0	0.0	61.7	61.8	55.1	59.8
Time of Day - PM												
Access Control Facility	57.7	45.6	64.9	52.0	49.4	28.8	0.0	0.0	42.5	52.1	42.8	45.3
Arterial	33.9	35.7	51.1	28.8	36.2	29.8	24.0	24.0	38.0	33.9	27.5	31.5
Collector	40.3	34.5	49.1	44.2	41.0	35.7	25.2	25.2	38.8	36.3	28.2	35.4
Local	35.6	33.0	45.3	46.6	34.4	29.7	27.2	27.2	38.5	31.9	26.7	30.7
Special Links	64.5	54.3	0.0	0.0	56.2	65.2	0.0	0.0	56.2	57.9	0.0	57.4
Ramps	61.9	59.8	0.0	55.1	59.9	66.1	0.0	0.0	62.2	61.6	55.2	60.0

50

Intensive Transit with Fixed Guideway & Express in CHT and Moderate Highway with HOV

Time of Day - AM	Percent of VMT Experiencing Congestion By Facility Type										Total Districts
	Orange County	Durham County	Chatham County	Granville County	DCHC MPO Total	Chapel Hill	Durham	RTP	SW Durham	Duke	
Access Control Facility	14.0%	47.9%	0.0%	0.0%	34.7%	87.9%	0.0%	56.7%	43.4%	47.3%	50.7%
Arterial	23.4%	39.0%	3.2%	29.9%	32.0%	30.6%	3.2%	32.4%	25.2%	28.6%	28.3%
Collector	8.9%	41.0%	32.1%	23.0%	26.4%	25.6%	0.0%	100.0%	34.5%	0.0%	29.3%
Local	15.2%	32.2%	7.8%	36.5%	26.5%	33.7%	35.2%	54.0%	40.3%	14.6%	36.1%
Special Links	0.0%	4.1%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Ramps	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Time of Day - PM											
Access Control Facility	3.0%	50.3%	0.0%	31.9%	34.1%	31.3%	0.0%	55.2%	49.7%	46.6%	49.4%
Arterial	20.6%	33.7%	2.9%	27.0%	27.6%	25.5%	2.7%	29.7%	23.8%	29.1%	25.9%
Collector	8.4%	39.4%	5.3%	16.5%	17.3%	20.6%	0.0%	100.0%	38.9%	28.3%	30.1%
Local	11.5%	24.1%	0.0%	0.0%	19.4%	25.1%	58.5%	34.0%	35.5%	21.0%	31.4%
Special Links	0.0%	6.9%	0.0%	0.0%	5.4%	0.0%	0.0%	5.6%	0.0%	0.0%	2.1%
Ramps	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

51

COMPANY	HBW Transit Ridership			HBO and NHB Transit Ridership			Total Boardings
	Boardings	KMS	Miles	Boardings	KMS	Miles	
1 (TTA Bus)	7,949	72,091	44,795	7,163	79,914	49,656	15,112
2 (CAT)	31,480	130,375	81,011	29,873	132,203	82,147	61,353
3 (CHT)	22,304	96,341	59,864	25,936	111,862	69,508	48,240
4 (DATA)	29,816	121,472	75,479	26,426	123,493	76,735	56,242
5 (CAT Connector)	3,939	10,223	6,352	3,345	8,175	5,080	7,284
6 (NCSU)	15,410	24,339	15,124	16,216	29,645	18,421	31,626
7 (Duke)	309	692	430	131	281	175	440
8 (OPT)	411	3,603	2,239	813	9,319	5,791	1,224
9 (TTA Rail)	19,158	284,718	176,916	10,536	153,470	95,362	29,694
10 (Carv/Central Local Bus)	4,796	20,260	12,589	4,825	23,770	14,770	9,621
Totals	135,572	764,114	474,798	125,264	672,132	417,643	260,836
Mode 7 - Additional Express Routes in Chapel Hill							
Route 67 (NS UNC Route)	337	1,308	813	2,682	9,626	5,981	3,019
Route 68 (NS UNC Route)	826	3,832	2,381	1,542	5,671	3,524	2,368
Route 69 (UNC - Franklin Street)	2,964	15,456	9,604	828	3,712	2,307	3,792
Route 70 (Franklin Street - UNC)	324	1,672	1,039	491	2,673	1,661	815
Route 71 (CHT Rail - Horrace Williams)	55	302	188	98	519	322	153
Route 72 (CHT Horrace Williams - Rail)	127	793	496	406	1,180	733	533
Total Rail Transit Ridership	4,633	23,363	14,520	6,047	23,381	14,528	10,680

Intensive Transit with Fixed Guideway & Express in CHT and Moderate Highway with HOV

Mode 8 - Rail												
Route 1 (Phase I Rail)	4,742	83,739	52,033	1,417	2,298	41,529	25,805	685				7,040
Route 2 (Phase I Rail)	8,794	154,694	96,122	2,812	5,096	81,661	50,742	1,465				13,890
Route 3 (15-501 Corridor)	5,567	45,596	28,332	658	2,944	27,687	17,204	395				8,511
Route 8 (NC-54 Corridor w/Airport Connection)	55	690	429	10	198	2,593	1,611	36				253
Total Rail Transit Ridership	19,158	284,719	176,916	4,897	10,536	153,470	95,362	2,581				29,694

52

Moderate Transit and Moderate Highway +1 & +2 with HOV and Eno Drive addition

Purpose	TRM - 2025 Model Regional Data										Total Person Trips						
	Walk to Local Transit		Walk to Premium Transit		Drive to Transit		Total Transit Trips		Drive Alone			HOV		Vehicle Occupancy		Total Vehicle Trips	
	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Vehicles	Persons		Vehicles	Persons	Occupancy	Occupancy	Trips	Trips
HBW	28,300	18,214	11,963	58,477	1,233,939	1,234,066	71,879	154,338	1,305,818	1,446,881	2.15	2.15	1,305,818	1,446,881			
HBO	38,777	5,736	6,018	50,531	1,264,609	1,265,213	597,475	1,493,688	1,862,084	2,809,432	2.50	2.50	1,862,084	2,809,432			
NHB	22,014	3,411	3,566	28,991	1,357,654	1,358,028	338,474	846,184	1,696,128	2,233,203	2.50	2.50	1,696,128	2,233,203			
Total	89,091	27,361	21,547	137,999	3,856,202	3,857,307	1,007,828	2,494,210	4,864,030	6,489,516	2.47	2.47	4,864,030	6,489,516			

DCHC - LRTP MPO

Area	DCHC - LRTP MPO										Total Person Trips						
	Walk to Local Transit		Walk to Premium Transit		Drive to Transit		Total Transit Trips		Drive Alone			HOV		Vehicle Occupancy		Total Vehicle Trips	
	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Vehicles	Persons		Vehicles	Persons	Occupancy	Occupancy	Trips	Trips
Orange County	21,467	15,050	4,169	40,686	494,752	494,810	152,535	376,548	647,287	912,044	2.47	2.47	647,287	912,044			
Durham County	34,576	18,142	8,406	61,124	1,187,438	1,187,633	309,202	764,060	1,496,640	2,012,817	2.47	2.47	1,496,640	2,012,817			
Chatham County	359	314	1,841	2,514	78,720	78,782	29,887	74,136	108,607	155,432	2.48	2.48	108,607	155,432			
Granville County	0	0	0	0	33,733	33,776	15,327	38,061	49,060	71,837	2.48	2.48	49,060	71,837			
Chapel Hill	21,422	14,452	3,897	39,771	351,613	351,572	116,283	287,016	467,896	678,359	2.47	2.47	467,896	678,359			
Downtown Durham	5,595	1,042	623	7,260	47,751	47,758	14,983	37,155	62,734	92,173	2.48	2.48	62,734	92,173			
RTP	981	1,307	731	3,019	177,715	177,663	41,952	103,894	219,667	284,576	2.48	2.48	219,667	284,576			
SW Durham	9,405	2,796	972	13,173	386,671	386,770	95,585	236,380	482,256	636,323	2.47	2.47	482,256	636,323			
Duke	26,464	13,323	5,879	45,666	368,556	368,635	110,603	274,014	479,159	688,315	2.48	2.48	479,159	688,315			

DCHC - LRTP MPO - Trips for Low Income TAZ

Area	DCHC - LRTP MPO - Trips for Low Income TAZ										Total Person Trips						
	Walk to Local Transit		Walk to Premium Transit		Drive to Transit		Total Transit Trips		Drive Alone			HOV		Vehicle Occupancy		Total Vehicle Trips	
	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Vehicles	Persons		Vehicles	Persons	Occupancy	Occupancy	Trips	Trips
Orange County	943	2,310	108	3,361	13,445	13,526	3,192	7,814	16,637	24,701	2.45	2.45	16,637	24,701			
Durham County	6,444	3,655	1,365	11,464	52,968	53,039	10,136	24,977	63,104	89,480	2.46	2.46	63,104	89,480			
Chatham County	1	4	1	6	208	197	120	290	328	493	2.42	2.42	328	493			
Granville County	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0			
Chapel Hill	943	2,293	59	3,295	12,914	12,983	2,898	7,087	15,812	23,365	0.00	0.00	15,812	23,365			
Downtown Durham	116	4	1	121	560	542	96	245	656	908	2.55	2.55	656	908			
RTP	68	142	36	246	4,339	4,334	711	1,779	5,050	6,359	2.50	2.50	5,050	6,359			
SW Durham	4	0	0	4	20	27	14	22	34	53	1.57	1.57	34	53			
Duke	6,420	3,621	1,360	11,401	49,592	49,648	9,837	24,250	59,429	85,299	2.47	2.47	59,429	85,299			

Moderate Transit and Moderate Highway +1 & +2 with HOV and Eno Drive addition

Measures	Orange County		Durham County		Chatham County		Granville County		DCHC MPO Totals		Downtown				Total Districts	
											Chapel Hill	Durham	RTP	SW Durham	Duke	
AM PEAK VMT	1,580,440	3,844,752	540,490	251,637	5,580	14,380	509,441	1,133,941	495,849	14,380	509,441	1,133,941	452,914	2,606,525		
AM PEAK VHT	36,586	95,537	10,618	5,580	1,649,878	3,839,773	510,755	273,106	148,321	591	11,545	28,897	12,091	69,038		
PM PEAK VMT	37,235	93,152	9,911	6,000	1,686,247	3,839,773	510,755	273,106	146,298	657	11,219	26,921	12,806	2,597,680		
PM PEAK VHT	5,433,255	12,784,329	1,686,247	882,054	120,780	301,134	32,648	19,053	20,785,885	52,330	1,709,030	3,690,980	1,576,693	8,680,563		
Total Daily VMT	912,044	2,012,817	155,432	71,837	647,287	1,496,640	116,781	49,060	473,615	2,134	36,368	87,625	41,512	218,429		
Total Person Trips @	494,752	1,187,438	78,720	33,733	152,535	309,202	38,061	15,327	20,785,885	678,359	92,173	284,576	688,315			
Total Vehicle Trips	21,467	34,576	359	0	494,752	1,187,438	78,720	33,733	473,615	467,896	62,734	219,667	482,256			
Total Carpool Trips	19,219	26,548	2,155	0	152,535	309,202	38,061	15,327	473,615	351,613	47,751	177,715	386,671			
Total Transit- Bus trips *	1.41	1.34	1.33	1.46	21,467	34,576	359	0	473,615	116,283	14,983	41,952	95,985			
Total premium (rail) trips + Total Bike/ Pedestrian trips	40,686	61,124	2,514	0	19,219	26,548	2,155	0	473,615	21,422	5,595	981	9,405			
Average Vehicle Occupancy	0.41	0.50	0.29	0.37	1.41	1.34	1.33	1.46	473,615	18,349	1,665	2,038	3,768			
Total daily transit trips	0.42	0.51	0.28	0.39	40,686	61,124	2,514	0	473,615	1.45	1.47	1.30	1.32			
V/C ratio	0.42	0.51	0.28	0.39	40,686	61,124	2,514	0	473,615	39,771	7,260	3,019	13,173			
Average Highway Trip Length	15.2	14.5	23.3	22.2	15.2	14.5	23.3	22.2	18.8	13.2	12.2	14.8	12.8			
Drive Alone Vehicle Trip - Time (Minutes)	16.0	18.1	24.2	27.0	16.0	18.1	24.2	27.0	21.3	14.3	15.1	19.1	16.0			
HOV Vehicle Trip - Time (Minutes)	24.4	21.3	34.7	28.6	24.4	21.3	34.7	28.6	27.3	19.7	13.3	19.9	20.3			
Commercial Vehicle Trip - Time (Minutes)	13.3	13.5	16.4	16.5	13.3	13.5	16.4	16.5	14.9	13.7	11.7	15.7	13.4			
Drive Alone Vehicle Trip - Distance (Miles)	11.0	12.7	15.0	18.2	11.0	12.7	15.0	18.2	14.2	10.5	10.7	13.0	11.4			
HOV Vehicle Trip - Distance (Miles)	14.0	12.6	19.4	16.8	14.0	12.6	19.4	16.8	15.7	12.2	9.3	11.9	12.3			
Commercial Vehicle Trip - Distance (Miles)	38.1	38.8	67.6	0.0	38.1	38.8	67.6	0.0	36.1	38.1	33.3	54.3	44.9			
Average Transit Travel Time - Minutes	66.1	66.4	61.6	0.0	66.1	66.4	61.6	0.0	48.5	64.4	77.8	53.7	65.2			
Walk to Local (WL)	53.2	52.7	33.4	0.0	53.2	52.7	33.4	0.0	34.9	49.1	62.8	48.8	55.3			
Walk to Premium (WP)	4%	19%	0%	0%	4%	19%	0%	0%	23%	4%	2%	7%	0%			
Drive to Premium (DR)	15%	20%	1%	0%	15%	20%	1%	0%	37%	16%	0%	11%	0%			
Average Travel for Low Income	3%	16%	0%	0%	3%	16%	0%	0%	19%	2%	0%	5%	0%			
Walk to Local (WL)	3%	4%	0%	0%	3%	4%	0%	0%	7%	4%	1%	2%	0%			
Walk to Premium (WP)	3%	4%	0%	0%	3%	4%	0%	0%	7%	4%	1%	2%	0%			
Drive to Premium (DR)	2%	3%	0%	0%	2%	3%	0%	0%	6%	2%	1%	2%	0%			
Drive Alone Vehicle Trips	2%	3%	0%	0%	2%	3%	0%	0%	6%	2%	1%	2%	0%			
Drive Alone Person Trips	2%	3%	0%	0%	2%	3%	0%	0%	6%	2%	1%	2%	0%			
High Occupancy Vehicle Trips	2%	3%	0%	0%	2%	3%	0%	0%	6%	2%	1%	2%	0%			
High Occupancy Person Trips	2%	3%	0%	0%	2%	3%	0%	0%	6%	2%	1%	2%	0%			
CO, NOX, & VOC emission	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			

* - Only Walk to Local trips + - Walk to Premium and Drive to transit @ - Include Drive Alone, HOV and Transit trips

Moderate Transit and Moderate Highway +1 & +2 with HOV and Eno Drive addition

Daily	Average Speed By Facility Type										Districts Avg	
	Orange County	Durham County	Chatham County	Granville County	DCHC MPO Average	Chapel Hill	Durham	Downtown	RTP	SW Durham		Duke
Access Control Facility	60.8	49.2	65.1	53.5	52.7	39.6	0.0	39.6	53.4	48.7	50.2	49.2
Arterial	34.5	38.0	51.7	29.3	37.9	30.7	24.2	30.7	39.4	35.5	28.4	33.0
Collector	41.0	35.7	49.0	44.4	41.9	35.8	25.2	35.8	43.3	38.0	29.5	36.2
Local	36.4	34.1	44.9	46.2	35.5	30.5	27.6	30.5	41.7	34.0	27.6	32.3
Special Links	64.6	51.9	0.0	0.0	52.9	65.3	0.0	65.3	53.0	59.8	0.0	56.8
Ramps	61.7	59.5	0.0	55.1	59.6	66.1	0.0	66.1	61.6	61.6	55.2	59.8
Time of Day - AM												
Access Control Facility	60.3	46.7	65.2	53.7	50.7	39.8	0.0	39.8	51.9	45.4	48.5	46.8
Arterial	32.5	36.1	51.5	27.2	36.0	28.9	24.1	28.9	35.3	33.2	28.2	31.2
Collector	40.6	34.3	48.7	43.6	41.4	34.5	25.3	34.5	42.7	36.6	29.8	35.1
Local	36.4	32.2	44.7	45.7	34.1	30.3	26.6	30.3	39.4	31.2	27.7	30.7
Special Links	64.5	52.3	0.0	0.0	53.3	65.3	0.0	65.3	53.1	61.1	0.0	57.4
Ramps	61.8	59.4	0.0	55.0	59.6	66.1	0.0	66.1	61.3	61.7	55.1	59.7
Time of Day - PM												
Access Control Facility	59.4	47.0	64.9	52.0	50.9	34.0	0.0	34.0	51.1	46.2	48.4	46.5
Arterial	34.2	37.2	51.0	28.8	37.3	30.2	24.2	30.2	38.3	34.9	27.9	32.4
Collector	41.0	34.9	49.4	44.1	41.5	35.8	25.2	35.8	42.3	37.8	28.7	36.1
Local	36.1	34.5	45.0	46.8	35.7	30.2	27.6	30.2	40.8	34.4	26.9	32.3
Special Links	64.7	51.4	0.0	0.0	52.6	65.3	0.0	65.3	52.9	58.7	0.0	56.2
Ramps	61.8	59.4	0.0	55.1	59.6	66.1	0.0	66.1	61.7	61.5	55.2	59.8

55

Moderate Transit and Moderate Highway +1 & +2 with HOV and Eno Drive addition

Time of Day - AM	Percent of VMT Experiencing Congestion By Facility Type										Districts Avg
	Orange County	Durham County	Chatham County	Granville County	DCHC MPO Total	Chapel Hill	Durham	RTP	SW Durham	Duke	
Access Control Facility	3.3%	35.0%	0.0%	36.1%	24.9%	29.8%	0.0%	37.4%	37.1%	20.3%	32.8%
Arterial	27.8%	37.5%	0.6%	29.2%	31.9%	36.1%	3.5%	34.8%	23.6%	25.3%	29.6%
Collector	9.8%	30.0%	4.5%	23.5%	15.2%	26.7%	0.0%	0.0%	32.0%	0.0%	26.8%
Local	8.6%	28.6%	0.0%	35.2%	21.4%	20.6%	38.6%	34.1%	38.8%	15.1%	32.0%
Special Links	0.0%	8.2%	0.0%	0.0%	7.4%	0.0%	0.0%	7.3%	0.0%	0.0%	3.2%
Ramps	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Time of Day - PM											
Access Control Facility	3.6%	34.9%	0.0%	31.9%	24.2%	38.2%	0.0%	34.4%	49.6%	10.6%	36.6%
Arterial	20.3%	30.4%	2.9%	26.8%	25.4%	27.9%	1.2%	24.9%	14.2%	27.9%	22.5%
Collector	6.9%	26.0%	0.0%	16.7%	11.7%	22.2%	0.0%	53.2%	19.5%	22.7%	21.7%
Local	11.5%	21.3%	0.0%	0.0%	17.1%	26.3%	32.9%	43.9%	29.6%	23.5%	28.6%
Special Links	0.0%	10.1%	0.0%	0.0%	9.0%	0.0%	0.0%	4.6%	0.0%	0.0%	1.9%
Ramps	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

56

COMPANY	HBW Transit Ridership				HBO and NHB Transit Ridership				Total Boardings
	Boardings	KMS	Miles	HOURS	Boardings	KMS	Miles	HOURS	
1 (TTA Bus)	17,304	209,435	130,137	9,501	8,264	97,761	60,746	4,248	25,568
2 (CAT)	29,895	117,369	72,930	5,151	28,712	125,462	77,958	5,490	58,607
3 (CHT)	7,693	27,984	17,388	1,205	25,443	111,723	69,421	5,024	33,136
4 (DATA)	28,079	103,040	64,026	4,863	26,047	119,652	74,348	5,299	54,126
5 (CAT Connector)	1,819	3,137	1,949	122	3,275	8,003	4,973	298	5,094
6 (NCSU)	7,010	7,569	4,703	221	15,934	29,602	18,394	839	22,944
7 (Duke)	87	147	91	5	135	301	187	11	222
8 (OPT)	1,038	14,283	8,875	470	979	16,341	10,154	660	2,017
9 (TTA Rail)	14,092	243,273	151,163	4,309	6,840	103,601	64,375	1,827	20,932
10 (Carry/Central Local Bus)	4,713	18,428	11,451	835	4,687	22,982	14,280	1,002	9,400
Totals	111,730	744,665	462,713	26,682	120,316	635,428	394,837	24,698	232,046
Mode 8 - Rail									
Route 1 (Phase I Rail)	4,809	87,693	54,490	1,474	2,018	33,291	20,686	553	6,827
Route 2 (Phase I Rail)	9,283	155,580	96,673	2,835	4,822	70,310	43,689	1,274	14,105
Total Rail Transit Ridership	14,092	243,273	151,163	4,309	6,840	103,601	64,375	1,827	20,932

Intensive Transit without Fixed Guideway and Moderate Highway +1 & +2 with HOV

Purpose	TRM - 2025 Model Regional Data													
	Walk to Local Transit		Walk to Premium Transit		Drive to Transit		Total Transit Trips		Drive Alone		HOV		Total Vehicle Person Trips	
	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Vehicles	Persons	Vehicles	Persons	Trips	Trips
HBW	31,807	18,261	10,329	1,231,819	1,231,947	1,231,947	60,397	1,231,819	71,905	154,365	1,303,724	1,446,709	1,303,724	1,446,709
HBO	39,874	5,934	6,202	1,264,263	1,264,869	1,264,869	52,010	1,264,263	597,024	1,492,560	1,861,287	2,809,439	1,861,287	2,809,439
NHB	22,614	3,610	3,654	1,357,144	1,357,519	1,357,519	29,878	1,357,144	338,328	845,821	1,695,472	2,233,218	1,695,472	2,233,218
Total	94,295	27,805	20,185	3,853,226	3,854,335	3,854,335	142,285	3,853,226	1,007,257	2,492,746	4,860,483	6,489,366	4,860,483	6,489,366

DCHC - LRTP MPO

Area	DCHC - LRTP MPO													
	Walk to Local Transit		Walk to Premium Transit		Drive to Transit		Total Transit Trips		Drive Alone		HOV		Total Vehicle Person Trips	
	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Vehicles	Persons	Vehicles	Persons	Trips	Trips
Orange County	20,971	15,290	4,276	493,231	493,344	493,344	40,537	493,231	152,240	375,633	645,471	909,514	645,471	909,514
Durham County	37,494	18,221	7,737	1,185,158	1,185,366	1,185,366	63,452	1,185,158	308,374	762,220	1,493,532	2,011,038	1,493,532	2,011,038
Chatham County	353	303	1,855	78,707	78,765	78,765	2,511	78,707	29,957	74,107	108,664	155,383	108,664	155,383
Granville County	0	0	0	33,730	33,758	33,758	0	33,730	15,309	38,050	49,039	71,808	49,039	71,808
Chapel Hill	20,954	13,768	3,531	350,552	350,567	350,567	38,253	350,552	116,058	286,378	466,610	675,198	466,610	675,198
Downtown Durham	5,619	1,160	604	47,788	47,739	47,739	7,383	47,788	15,054	37,057	62,842	92,179	62,842	92,179
RTP	1,249	1,594	796	177,218	177,207	177,207	3,639	177,218	41,968	103,698	219,186	284,544	219,186	284,544
SW Durham	9,600	2,296	930	387,150	387,164	387,164	12,826	387,150	95,361	235,860	482,511	635,850	482,511	635,850
Duke	28,866	13,260	5,254	367,755	367,751	367,751	47,380	367,755	109,944	272,516	477,699	687,647	477,699	687,647

DCHC - LRTP MPO - Trips for Low Income TAZ

Area	DCHC - LRTP MPO - Trips for Low Income TAZ													
	Walk to Local Transit		Walk to Premium Transit		Drive to Transit		Total Transit Trips		Drive Alone		HOV		Total Vehicle Person Trips	
	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Vehicles	Persons	Vehicles	Persons	Trips	Trips
Orange County	911	1,862	66	13,327	13,302	13,302	2,839	13,327	3,022	7,332	16,349	23,473	16,349	23,473
Durham County	7,360	3,092	1,122	52,931	53,003	53,003	11,574	52,931	9,877	24,432	62,808	89,009	62,808	89,009
Chatham County	3	3	0	208	195	195	6	208	105	269	313	470	313	470
Granville County	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chapel Hill	911	1,796	16	12,794	12,757	12,757	2,723	12,794	2,732	6,619	15,526	22,099	15,526	22,099
Downtown Durham	114	1	1	577	576	576	116	577	91	237	668	929	668	929
RTP	143	160	36	4,352	4,341	4,341	339	4,352	712	1,744	5,064	6,424	5,064	6,424
SW Durham	5	0	0	23	28	28	5	23	9	24	32	57	32	57
Duke	7,322	3,054	1,118	49,319	49,391	49,391	11,494	49,319	9,578	23,699	58,897	84,584	58,897	84,584

Intensive Transit without Fixed Guideway and Moderate Highway +1 & +2 with HOV

Measures	Orange County		Durham County		Chatham County		Granville County		DCHC MPO Totals		Downtown			Duke Districts	Total
	County	County	County	County	County	County	County	County	Totals	Chapel Hill	Durham	RTP	SW Durham		
AM PEAK VMT	1,559,127	3,872,029	541,969	249,500	6,222,625	490,655	14,453	507,951	1,153,953	457,717				2,624,729	
AM PEAK VHT	36,951	95,988	10,658	5,504	149,101	16,389	594	11,134	29,392	12,203				69,711	
PM PEAK VMT	1,633,548	3,868,329	512,168	271,541	6,285,586	491,677	16,155	512,583	1,131,199	472,147				2,623,761	
PM PEAK VHT	37,699	93,748	9,935	5,951	147,334	15,993	659	11,284	27,468	12,898				68,302	
Total Daily VMT	5,369,768	12,876,653	1,691,227	878,140	20,815,787	1,632,054	52,549	1,710,138	3,770,902	1,589,985				8,755,627	
Total Daily VHT	121,589	303,030	32,757	18,921	476,297	51,591	2,141	36,073	89,535	41,801				221,141	
Total Person Trips @	909,514	2,011,038	155,383	71,808		675,198	92,179	284,544	635,850	687,647					
Total Vehicle Trips	645,471	1,493,532	116,757	49,039		466,610	62,842	219,186	482,511	477,699					
Total SOV Trips	493,231	1,185,158	78,707	33,730		350,552	47,788	177,218	387,150	367,755					
Total Carpool Trips	152,240	308,374	38,050	15,309		116,058	15,054	41,968	95,361	109,944					
Total Transit: Bus trips *	20,971	37,494	353	0		20,954	5,619	1,249	9,600	28,866					
Total premium (rail) trips +	19,566	25,958	2,158	0		17,299	1,764	2,390	3,226	18,514					
Total Bike/ Pedestrian trips	6,139	10,785	0	0		6,139	1,282	799	1,840	6,910					
Average Vehicle Occupancy	1.41	1.35	1.33	1.46		1.45	1.47	1.30	1.32	1.44					
Total daily transit trips	40,537	63,452	2,511	0		38,253	7,383	3,639	12,826	47,380					
V/C ratio															
AM	0.42	0.50	0.29	0.36		0.58	0.35	0.53	0.53	0.48					
PM	0.43	0.52	0.28	0.39		0.59	0.38	0.56	0.54	0.51					
Average Highway Trip Length															
Drive Alone Vehicle Trip - Time (Minutes)	15.2	14.5	23.3	22.3	18.8	13.6	11.7	15.6	13.4	10.6				13.0	
HOV Vehicle Trip - Time (Minutes)	16.0	18.1	24.4	27.1	21.4	14.3	15.3	19.1	16.0	15.3				16.0	
Commercial Vehicle Trip - Time (Minutes)	24.5	21.3	34.9	29.0	27.4	19.9	13.3	19.9	20.2	16.6				18.0	
Drive Alone Vehicle Trip - Distance (Miles)	13.5	13.5	16.5	16.6	15.0	13.4	12.2	14.8	12.9	10.9				12.8	
HOV Vehicle Trip - Distance (Miles)	11.2	12.7	15.1	18.5	14.4	10.7	10.7	12.9	11.5	11.0				11.4	
Commercial Vehicle Trip - Distance (Miles)	14.1	12.6	19.5	16.9	15.8	12.3	9.3	11.9	12.3	10.6				11.3	
Average Transit Travel Time - Minutes															
Walk to Local (WL)	36.4	34.8	67.7	0.0	34.7	36.4	30.4	53.4	42.5	31.0				38.7	
Walk to Premium (WP)	56.6	58.1	61.7	0.0	44.1	56.1	66.7	50.2	53.2	56.0				56.4	
Drive to Transit (DR)	49.2	48.6	33.3	0.0	32.8	45.9	55.1	46.8	51.9	44.8				48.9	
Average Travel for Low Income															
Walk to Local (WL)	4%	20%	1%	0%	25%	4%	2%	14%	0%	28%				49%	
Walk to Premium (WP)	12%	17%	1%	0%	30%	13%	0%	12%	0%	22%				48%	
Drive to Transit (DR)	2%	15%	0%	0%	16%	0%	0%	5%	0%	18%				23%	
Drive Alone Vehicle Trips	3%	4%	0%	0%	7%	4%	1%	2%	0%	13%				21%	
Drive Alone Person Trips	3%	4%	0%	0%	7%	4%	1%	2%	0%	13%				21%	
High Occupancy Vehicle Trips	2%	3%	0%	0%	6%	2%	1%	2%	0%	9%				13%	
High Occupancy Person Trips	2%	3%	0%	0%	6%	2%	1%	2%	0%	9%				13%	
CO, NOx, & VOC emission					0%					0%					0%

* - Only Walk to Local trips

+ - Walk to Premium and Drive to transit

@ - Include Drive Alone, HOV and Transit trips

Intensive Transit without Fixed Guideway and Moderate Highway +1 & +2 with HOV

Daily	Average Speed By Facility Type										Districts Avg
	Orange County	Durham County	Chatham County	Granville County	DCHC MPO Average	Chapel Hill	Durham	RTP	SW Durham	Duke	
Access Control Facility	60.7	49.6	65.1	53.8	52.9	37.2	0.0	53.2	49.9	50.1	49.6
Arterial	33.7	38.1	51.8	29.2	37.8	30.1	24.2	40.2	34.8	28.4	32.7
Collector	40.1	35.2	48.9	44.5	41.3	35.5	25.2	43.4	37.2	29.3	35.7
Local	36.1	33.7	44.9	46.1	35.2	30.1	27.7	40.9	33.6	27.7	32.0
Special Links	64.5	52.1	0.0	0.0	53.0	65.3	0.0	53.4	59.7	0.0	56.9
Ramps	61.7	59.3	0.0	55.1	59.5	66.1	0.0	61.6	61.7	55.2	59.9
Time of Day - AM											
Access Control Facility	59.7	46.5	65.2	53.8	50.3	35.8	0.0	51.6	45.5	48.6	46.5
Arterial	31.4	36.5	51.7	27.1	36.0	27.9	24.1	37.9	33.3	28.2	31.2
Collector	39.5	33.9	48.5	44.0	40.9	34.0	25.3	43.0	36.2	29.8	34.7
Local	36.3	31.7	44.7	45.7	33.8	30.2	26.6	37.5	30.9	27.7	30.5
Special Links	64.6	54.1	0.0	55.0	54.9	65.3	0.0	54.3	61.4	0.0	58.2
Ramps	61.5	59.3	0.0	0.0	59.4	66.1	0.0	61.3	61.9	55.1	59.8
Time of Day - PM											
Access Control Facility	60.2	48.1	64.9	52.5	51.9	34.8	0.0	50.8	49.4	48.2	48.2
Arterial	32.9	37.0	51.1	28.7	36.7	29.3	24.2	38.2	33.7	27.9	31.7
Collector	40.0	34.2	49.3	44.0	40.9	35.6	25.2	42.3	36.3	28.4	35.4
Local	35.7	33.9	45.1	46.6	35.1	29.4	27.6	40.6	33.4	27.0	31.6
Special Links	64.4	50.5	0.0	0.0	51.5	65.3	0.0	52.6	58.3	0.0	55.9
Ramps	61.9	59.3	0.0	55.1	59.5	66.1	0.0	61.8	61.7	55.2	59.9

59

Intensive Transit without Fixed Guideway and Moderate Highway +1 & +2 with HOV

Time of Day - AM	Percent of VMT Experiencing Congestion By Facility Type										Districts Avg
	Orange County					DCHC MPO					
	Durham County	Chatham County	Granville County	Total	Chapel Hill	Durham	Downtown	RTP	SW Durham	Duke	
Access Control Facility	2.8%	0.0%	0.0%	24.4%	26.7%	0.0%	39.0%	36.3%	26.8%	34.1%	
Arterial	24.9%	0.6%	29.6%	31.7%	32.6%	3.5%	33.1%	25.2%	24.7%	28.6%	
Collector	10.5%	31.9%	21.8%	16.3%	25.9%	0.0%	0.0%	32.7%	0.0%	26.7%	
Local	11.7%	27.8%	36.1%	21.5%	27.8%	38.8%	34.4%	37.4%	15.4%	32.7%	
Special Links	0.0%	5.1%	0.0%	4.7%	0.0%	0.0%	2.3%	0.0%	0.0%	1.0%	
Ramps	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Time of Day - PM											
Access Control Facility	2.6%	0.0%	0.0%	23.2%	30.6%	0.0%	38.6%	47.6%	10.5%	36.1%	
Arterial	21.6%	2.9%	27.3%	25.0%	28.5%	1.2%	24.8%	15.6%	26.6%	22.8%	
Collector	7.7%	29.6%	17.5%	13.1%	18.5%	0.0%	53.1%	20.3%	23.2%	20.1%	
Local	10.9%	23.6%	0.0%	18.5%	25.2%	33.1%	43.7%	35.7%	23.2%	32.0%	
Special Links	0.0%	15.5%	0.0%	14.1%	0.0%	0.0%	18.4%	0.0%	0.0%	7.5%	
Ramps	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

COMPANY	HBW Transit Ridership					HBO and NHB Transit Ridership				
	Boardings	KMS	Miles	HOURS	Boardings	KMS	Miles	HOURS	Total Boardings	
1 (TTA Bus)	16,379	198,672	123,449	7,769	8,936	108,909	67,673	4,627	25,315	
2 (CAT)	31,583	132,039	82,045	5,708	29,834	131,912	81,966	5,754	61,417	
3 (CHT)	7,893	28,952	17,990	1,273	25,444	109,492	68,035	4,940	33,337	
4 (DATA)	30,109	116,876	72,623	5,424	27,853	130,454	81,060	5,754	57,962	
5 (CAT Connector)	2,110	4,668	2,901	179	3,281	8,021	4,984	299	5,391	
6 (NCSU)	11,538	16,282	10,117	475	16,572	30,205	18,769	857	28,110	
7 (Duke)	98	204	127	7	146	328	204	12	244	
8 (OPT)	2,112	27,003	16,779	963	867	9,762	6,066	399	2,979	
9 (TTA Rail)	13,547	240,318	149,327	4,221	7,001	107,372	66,718	1,886	20,548	
10 (Cary/Central Local Bus)	4,756	19,556	12,152	890	4,794	23,442	14,566	1,019	9,550	
Totals	120,125	784,570	487,509	26,909	124,728	659,897	410,041	25,547	244,853	
Mode 8 - Rail										
Route 1 (Phase I Rail)	5,030	89,648	55,705	1,508	2,094	34,614	21,508	574	7,124	
Route 2 (Phase I Rail)	8,517	150,670	93,622	2,713	4,907	72,757	45,209	1,313	13,424	
Total Rail Transit Ridership	13,547	240,318	149,327	4,221	7,001	107,371	66,717	1,887	20,548	

60