Chattanooga 2030 LRTP
Travel Demand Model Output

Facility Type Code	Description	Vehicle Miles Traveled (VMT) 2000	2030 E+C	2025 LRTP	Alt. 1A	Alt. 1B	Alt. 2A	Alt. 2B	Alt. 3A	Alt. 3B	Percent Difference 3A from 1A	3B from 1B
1	Interstate	3,648,513	5,307,585	5,215,077	4,921,192	5,964,337	5,327,972	5,337,278	4,983,754	5,866,575	1%	-2%
2	Expressway	1,168,957	1,935,361	1,970,073	1,766,560	1,784,706	1,873,901	1,872,239	1,614,863	1,659,629	-9%	-7%
3	Principal Arterial Divided	2,205,790	3,762,966	4,292,742	5,319,006	4,340,573	5,026,607	5,066,810	4,913,233	4,028,246	-8%	-7%
4	Principal Arterial Undivided	819,227	1,019,527	1,604,572	1,373,828	1,060,190	890,234	909,873	1,322,621	1,086,191	-4%	2%
5	Minor Arterial	1,465,992	2,630,180	1,917,742	1,722,503	1,983,934	1,961,010	1,984,738	1,718,332	1,894,406	0%	-5%
6	Collector	1,149,599	1,903,131	1,620,934	1,508,115	1,585,919	1,537,273	1,552,829	1,388,411	1,514,852	-8%	-4%
7	Ramp	185,546	303,080	319,144	305,353	283,670	313,788	314,208	302,638	287,920	-1%	1%
8	One-Way	82,037	20,648	17,198	22,148	114,728	26,051	26,662	23,139	119,398	4%	4%
90	Internal Centroid Connector	1,044,379	1,659,067	1,561,962	1,561,962	1,561,962	1,561,962	1,561,962	1,561,962	1,561,962	0%	0%
99	External Centroid Connector	1,012,528	1,622,001	1,623,512	1,608,496	1,605,139	1,577,408	1,580,836	1,526,454	1,505,868	-5%	-6%
Total		12,782,568	20,163,546	20,142,955	20,109,162	20,285,158	20,096,205	20,207,434	19,355,406	19,525,047	-4%	-4%
Total Excluding Centroid Connectors		**10,725,660**	**16,882,478**	**16,957,482**	**16,938,704**	**17,118,058**	**16,956,836**	**17,064,636**	**16,266,991**	**16,457,217**	**-4%**	**-4%**

Facility Type Code	Description	Vehicle Hours Traveled (VHT) 2000	2030 E+C	2025 LRTP	Alt. 1A	Alt. 1B	Alt. 2A	Alt. 2B	Alt. 3A	Alt. 3B	Percent Difference 3A from 1A	3B from 1B
1	Interstate	108,203	295,824	187,878	312,877	191,689	308,590	312,421	290,463	170,231	-7%	-11%
2	Expressway	28,410	51,375	49,425	43,879	45,708	46,106	46,085	39,485	41,901	-10%	-8%
3	Principal Arterial Divided	63,679	125,863	136,627	158,828	132,250	154,689	156,704	138,998	116,186	-12%	-12%
4	Principal Arterial Undivided	31,179	57,264	74,180	53,880	35,925	38,937	40,432	46,147	33,996	-14%	-5%
5	Minor Arterial	48,893	159,250	81,387	56,691	72,461	64,490	65,970	54,323	60,158	-4%	-17%
6	Collector	38,455	75,051	60,845	57,805	57,729	54,468	54,935	54,541	63,003	-6%	9%
7	Ramp	5,057	9,826	10,437	11,883	8,192	10,811	10,979	11,782	8,265	-1%	1%
8	One-Way	2,841	1,136	1,126	1,424	131,367	1,722	1,920	1,223	96,506	-14%	-27%
90	Internal Centroid Connector	70,624	456,179	455,752	455,752	455,752	455,752	455,752	455,752	455,752	0%	0%
99	External Centroid Connector	123,355	183,338	183,107	182,088	182,073	180,363	180,635	177,758	176,611	-2%	-3%
Total		520,695	1,415,106	1,240,764	1,335,107	1,313,146	1,315,929	1,325,833	1,270,471	1,222,611	-5%	-7%
Total Excluding Centroid Connectors		**326,717**	**775,589**	**601,905**	**697,267**	**675,321**	**679,813**	**689,446**	**636,962**	**590,248**	**-9%**	**-13%**

Notes:
VMT and VHT for 2000 network is from 2000 Run 40
VMT and VHT for 2030 E+C network is from 2030 E+C Run 5
VMT and VHT for Alts. 1A from Draft 11 runs
VMT and VHT for Alts. 1B from Draft 12 runs
VMT and VHT for Alt. 2A from Draft 10 run
VMT and VHT for Alt. 2B from Draft 8 run
2025 LRTP Alternative is based on 2030 socioeconomic data with the 2025 LRTP projects and is from the Draft 3 run
Alt. 2B (HOV) uses a slightly different trip table procedure which results in a difference of approximately 500-600 trips throughout the entire region.
Alt. 3A is based on 2030 alternative land use with 1A network (Draft 1 run)
Alt. 3B is based on 2030 alternative land use with 1B network (Draft 1 run)

CHCNGA Model Statistics and Comparison

CHCNGA 2030 Alternative Performance Summary			
Alternatives		**VMT**	**VHT**
2000	Base Year	10,725,660	326,717
2030 E+C	Existing plus Committed	16,882,478	775,589
2025 LRTP	TransPlan 2025	16,957,482	601,905
2030 Alt. 1A	Cross Radial Connectors - Emphasis on Upgrades	16,938,704	697,267
2030 Alt. 1B	Cross Radial Connectors - Emphasis on New Locations	17,118,058	675,321
2030 Alt. 2A	Expansion of Interstates - Emphasis on Widenings	16,956,836	679,813
2030 Atl. 2B	Expansion of Interstates - Emphasis on HOV/Truck Lanes	17,064,636	689,446
2030 Alt. 3A	Land Use Adjustment - Upgrades	16,266,991	636,962
2030 Alt. 3B	Land Use Adjustment - New Location	16,457,217	590,248

Lane Mile Increase with Each Alternative by Facility Type (2000 to 2030)							
Alternatives		**Interstate**	**Expressway**	**Arterials**	**Collector**	**Other**	**TOTAL**
2025 LRTP	TransPlan 2025	134	25	318	9	1	**487**
2030 Alt. 1A	Cross Radial Connectors - Emphasis on Upgrades	20	19	329	0	0	**368**
2030 Alt. 1B	Cross Radial Connectors - Emphasis on New Locations	558	48	171	4	30	**811**
2030 Alt. 2A	Expansion of Interstates - Emphasis on Widenings	150	22	195	0	2	**369**
2030 Atl. 2B	Expansion of Interstates - Emphasis on HOV/Truck Lanes	77	22	195	0	2	**296**
2030 Alt. 3A	Land Use Adjustment - Upgrades	20	19	329	0	0	**368**
2030 Alt. 3B	Land Use Adjustment - New Location	558	48	171	4	30	**811**
2030 Needs Plan	Draft TransPlan 2030*	619	20	282	6	3	**931**

* 182 miles recommended for more detailed corridor feasibility study. If feasible, other projects could be “not needed”.